



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP – 0131 – 10

OSHPD Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Stored Energy Systems

Manufacturer's Technical Representative: Sam Coleman

Mailing Address: 1840 Industrial Circle, Longmont, CO 80501

Telephone: 303.678.7500 Email: samc@sens-usa.com

Product Information

Product Name: LC, NRG & IQ Battery Chargers; BBS Battery Selectors

Product Type: Battery Chargers

Product Model Number: See Attachment 1

(List all unique product identification numbers and/or part numbers)

General Description: AC powered battery chargers and battery selectors for generator sets

Mounting Description: Rigid wall mounted, may also be rigid wall mounted on equipment (LC, NRG);  
rigid wall mounted only (BBS, IQ)

Applicant Information

Applicant Company Name: Manwill Engineering LLC

Contact Person: Derek Manwill, SE

Mailing Address: PO Box 1194, Bend, OR 97702

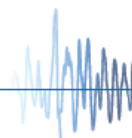
Telephone: 541.241.2102 Email: derek@manwillSE.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

Signature of Applicant:  Date: 1/26/2017

Title: President Company Name: Manwill Engineering LLC

"Access to Safe, Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION**

**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

Company Name: Manwill Engineering LLC

Name: Derek Manwill, SE

California License Number: S6266

Mailing Address: PO Box 1194, Bend, OR 97702

Telephone: 541.241.2102

Email: derek@manwillSE.com

**Supports and Attachments Preapproval**

- ☐ Supports and attachments are preapproved under OPM-  
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- ☒ Supports and attachments are not preapproved

**Certification Method**

☒ Testing in accordance with: ☒ ICC-ES AC156

☐ Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

Company Name: Clark Testing

Contact Name: Robert Francis

Mailing Address: 1801 Route 51 South, Jefferson Hills, PA 15025

Telephone: 412.387.1004

Email: rfrancis@clarktesting.com

**Testing Laboratory**

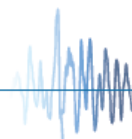
Company Name: Applied Technical Services, Inc. (ATS)

Contact Name: David Common

Mailing Address: 1049 Triad Court, Marietta, Georgia 30062

Telephone: 770.423.1400

Email: davidc@atslab.com





OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT  
FACILITIES DEVELOPMENT DIVISION

**Seismic Parameters**

Design in accordance with ASCE 7-10 Chapter 13: ☒ Yes ☐ No

Design Basis of Equipment or Components ( $F_p/W_p$ ) = 1.5 ( $S_{DS}=2.0g$ ); 1.13 ( $S_{DS}=2.5g$ )

$S_{DS}$  (Design spectral response acceleration at short period, g) = 2.0 ( $z/h = 1$ ); 2.5 ( $z/h = 0$ )

$a_p$  (In-structure equipment or component amplification factor) = 2.5

$R_p$  (Equipment or component response modification factor) = 6.0

$\Omega_0$  (System overstrength factor) = 2.0

$I_p$  (Importance factor) = 1.5

$z/h$  (Height factor ratio) = 1 ( $S_{DS} = 2.0g$ ); 0 ( $S_{DS} = 2.5g$ )

Equipment or Component Natural Frequencies (Hz) = N/A (wall mounted)

Overall dimensions and weight (or range thereof) = See Attachments 1 & 2

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: ☐ Yes ☒ No

Design Basis of Equipment or Components ( $V/W$ ) = \_\_\_\_\_

$S_{DS}$  (Design spectral response acceleration at short period, g) = \_\_\_\_\_

$S_{D1}$  (Design spectral response acceleration at 1 second period, g) = \_\_\_\_\_

$R$  (Response modification coefficient) = \_\_\_\_\_

$\Omega_0$  (System overstrength factor) = \_\_\_\_\_

$C_d$  (Deflection amplification factor) = \_\_\_\_\_

$I_p$  (Importance factor) = 1.5

Height to Center of Gravity above base = \_\_\_\_\_

Equipment or Component Natural Frequencies (Hz) = \_\_\_\_\_

Overall dimensions and weight (or range thereof) = \_\_\_\_\_

Tank(s) designed in accordance with ASME BPVC, 2015: ☐ Yes ☒ No

**List of Attachments Supporting Special Seismic Certification**

☒ Test Report(s) ☐ Drawings ☐ Calculations ☒ Manufacturer's Catalog

☒ Other(s) (Please Specify): Attachments 1 & 2

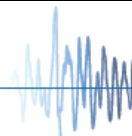
**OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2022**

Signature:  Date: March 1, 2017

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to :  $S_{DS}$  (g) = See Above  $z/h$  = See Above

Condition of Approval (if applicable): \_\_\_\_\_



## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

### TABLE 1 - LC/NRG

DOCUMENT NO.: 17015CR1.0

|                                              |                                                                                                                                                         |                              |       |        |                  |                                                                          |                      |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------|--------|------------------|--------------------------------------------------------------------------|----------------------|
| MANUFACTURER:                                |                                                                                                                                                         | STORED ENERGY SYSTEMS        |       |        |                  |                                                                          |                      |
| PRODUCT FAMILY:                              |                                                                                                                                                         | BATTERY CHARGERS FOR GENSETS |       |        |                  |                                                                          |                      |
| MODEL NUMBER                                 |                                                                                                                                                         | DIMENSIONS (in)              |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES                                                      | BASIS                |
|                                              |                                                                                                                                                         | DEPTH                        | WIDTH | HEIGHT |                  |                                                                          |                      |
| LC Engine Start Battery Charger              |                                                                                                                                                         |                              |       |        |                  |                                                                          |                      |
| LC24-501-2                                   |                                                                                                                                                         | 4.5                          | 5.2   | 11.3   | 6                | Ships with power cord vs. no cord                                        | IDENTICAL            |
| LC24-500-2                                   |                                                                                                                                                         | 4.5                          | 5.2   | 11.3   | 6                |                                                                          | UUT 8, 16            |
| NRG Intelligent Engine Start Battery Charger |                                                                                                                                                         |                              |       |        |                  |                                                                          |                      |
| NRG12-10-HCE                                 |                                                                                                                                                         | 6.5                          | 7.7   | 12.5   | 22               |                                                                          | INTERP               |
| NRG12-10-RCE                                 |                                                                                                                                                         | 6.5                          | 7.7   | 12.5   | 22               |                                                                          | INTERP               |
| NRG24-10-HCE                                 |                                                                                                                                                         | 6.5                          | 7.7   | 12.5   | 22               |                                                                          | INTERP               |
| NRG24-10-RCE                                 |                                                                                                                                                         | 6.5                          | 7.7   | 12.5   | 22               |                                                                          | INTERP               |
| NRG22-10-HCE                                 |                                                                                                                                                         | 6.5                          | 7.7   | 12.5   | 22               |                                                                          | INTERP               |
| NRG22-10-RCE                                 |                                                                                                                                                         | 6.5                          | 7.7   | 12.5   | 22               |                                                                          | UUT 7, 17            |
| NRG12-20-HCLSE                               |                                                                                                                                                         | 6.8                          | 14.0  | 13.1   | 39               |                                                                          | INTERP               |
| NRG12-20-RCLSE                               |                                                                                                                                                         | 6.8                          | 14.0  | 13.1   | 39               |                                                                          | INTERP               |
| NRG24-20-HCLSE                               |                                                                                                                                                         | 6.8                          | 14.0  | 13.1   | 42               |                                                                          | INTERP               |
| NRG24-20-RCLSE                               |                                                                                                                                                         | 6.8                          | 14.0  | 13.1   | 42               |                                                                          | INTERP               |
| NRG22-20-HCLSE                               |                                                                                                                                                         | 6.8                          | 14.0  | 13.1   | 42               |                                                                          | INTERP               |
| NRG22-20-RCLSE                               |                                                                                                                                                         | 6.8                          | 14.0  | 13.1   | 42               |                                                                          | UUT 5, 18            |
| MOUNTING:                                    | Rigid wall mounted, may also be rigid wall mounted on equipment.                                                                                        |                              |       |        | SEISMIC LEVEL(S) | S <sub>DS</sub> = 2.0g for z/h = 1<br>S <sub>DS</sub> = 2.5g for z/h = 0 | I <sub>p</sub> = 1.5 |
| NOTES:                                       | <b>Product Construction:</b> NEMA 1 aluminum enclosure for LC and NRG.<br><b>Options/Subcomponents:</b> Model number uniquely identifies configuration. |                              |       |        |                  |                                                                          |                      |

### TABLE 2 - BBS/IQ

|                                                         |  |                                                                                                                           |       |        |                  |                                |        |
|---------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|-------|--------|------------------|--------------------------------|--------|
| MANUFACTURER:                                           |  | STORED ENERGY SYSTEMS                                                                                                     |       |        |                  |                                |        |
| PRODUCT FAMILY:                                         |  | BATTERY CHARGERS FOR GENSETS                                                                                              |       |        |                  |                                |        |
| MODEL NUMBER                                            |  | DIMENSIONS (in)                                                                                                           |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES            | BASIS  |
|                                                         |  | DEPTH                                                                                                                     | WIDTH | HEIGHT |                  |                                |        |
| BBS Best Battery Selector                               |  |                                                                                                                           |       |        |                  |                                |        |
| BBS-1600E                                               |  | 8.6                                                                                                                       | 12.3  | 16.3   | 30               |                                | UUT 6  |
| BBS-4800E                                               |  | 13                                                                                                                        | 19.4  | 17.6   | 75               |                                | UUT 3  |
| EnerGenius IQ Automatic DC Power Supply/Battery Charger |  |                                                                                                                           |       |        |                  |                                |        |
| Q024006XX5XXXE <sup>[1]</sup>                           |  | 13                                                                                                                        | 19.4  | 17.6   | 92               | See note 1 for IQ nomenclature | INTERP |
| Q0240068L511AE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 63               |                                | UUT 10 |
| Q012012XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 92               |                                | INTERP |
| Q048006XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 96               |                                | INTERP |
| Q024012XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 96               |                                | INTERP |
| Q012025XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 96               |                                | INTERP |
| Q024016XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 104              |                                | INTERP |
| Q048012XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 108              |                                | INTERP |
| Q024025XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 119              |                                | INTERP |
| Q012050XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 120              |                                | INTERP |
| Q048016XX5XXXE                                          |  | 13                                                                                                                        | 19.4  | 17.6   | 122              |                                | INTERP |
| NOTES:                                                  |  | Table continues on the next page. Additional notes, information and seismic parameters are shown at the end of the table. |       |        |                  |                                |        |

## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

**TABLE 2 - BBS/IQ (continued)**

DOCUMENT NO.: 17015CR1.0

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |       |        |                     |                                                                          |                      |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------|--------|---------------------|--------------------------------------------------------------------------|----------------------|
| MANUFACTURER:                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | STORED ENERGY SYSTEMS        |       |        |                     |                                                                          |                      |
| PRODUCT FAMILY:                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | BATTERY CHARGERS FOR GENSETS |       |        |                     |                                                                          |                      |
| MODEL NUMBER                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DIMENSIONS (in)              |       |        | MAX. WT.<br>(lb)    | DESCRIPTION / NOTES                                                      | BASIS                |
|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | DEPTH                        | WIDTH | HEIGHT |                     |                                                                          |                      |
| EnerGenius IQ Automatic DC Power Supply/Battery Charger (continued) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |       |        |                     |                                                                          |                      |
| Q024035XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 129                 |                                                                          | INTERP               |
| Q120006XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 130                 |                                                                          | INTERP               |
| Q024050XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 134                 |                                                                          | INTERP               |
| Q048025XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 148                 |                                                                          | INTERP               |
| Q240006XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 150                 |                                                                          | INTERP               |
| Q120012XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 152                 |                                                                          | INTERP               |
| Q048035XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 167                 |                                                                          | INTERP               |
| Q120016XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 186                 |                                                                          | INTERP               |
| Q048050XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 190                 |                                                                          | INTERP               |
| Q240012XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 190                 |                                                                          | INTERP               |
| Q240012TL534BE                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 186                 |                                                                          | UUT 11               |
| Q120025XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 190                 |                                                                          | INTERP               |
| Q120025TL514BE                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13                           | 19.4  | 17.6   | 190                 |                                                                          | UUT 4                |
| Q012100XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 298                 |                                                                          | INTERP               |
| Q024075XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 308                 |                                                                          | INTERP               |
| Q240016XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 320                 |                                                                          | INTERP               |
| Q024100XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 320                 |                                                                          | INTERP               |
| Q120035XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 322                 |                                                                          | INTERP               |
| Q048075XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 335                 |                                                                          | INTERP               |
| Q024150XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 341                 |                                                                          | INTERP               |
| Q024150SL511CE                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 256                 |                                                                          | UUT 12               |
| Q048100XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 341                 |                                                                          | INTERP               |
| Q240025XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 341                 |                                                                          | INTERP               |
| Q120050XX5XXE                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 341                 |                                                                          | INTERP               |
| Q120050SL514BE                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 334                 |                                                                          | UUT 1                |
| Q1200504G511CE                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 336                 |                                                                          | UUT 13               |
| Q1200508L574NE                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 16.1                         | 23.6  | 27.8   | 341                 |                                                                          | UUT 9                |
| MOUNTING:                                                           | Rigid wall mounted only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                              |       |        | SEISMIC<br>LEVEL(S) | S <sub>DS</sub> = 2.0g for z/h = 1<br>S <sub>DS</sub> = 2.5g for z/h = 0 | I <sub>p</sub> = 1.5 |
| NOTES:                                                              | <b>Product Construction:</b> NEMA 1 carbon steel enclosure for BBS and IQ.<br><b>Options/Subcomponents:</b> Model number uniquely identifies configuration for BBS. See note 1 below for IQ options.<br>1. IQ nomenclature for 'X' digits ( <b>bold</b> and * indicates tested option, non-bold indicates available interpolated option):<br>Digit 8 (AC Supply 115V - 480V): <b>T* (115V)</b> , P, <b>S*</b> , V, Z, 3, <b>4*</b> , <b>8* (480V)</b><br>Digit 9 (Agency Approval): no effect on unit construction or configuration<br>Digit 11 (Input Breaker Interrupt): <b>1*</b> , <b>3*</b> , <b>7*</b> (all tested)<br>Digit 12 (Output Filter/Blocking Diode Configuration): <b>1*</b> , 2, 3, <b>4*</b><br>Digit 13 (Alarm Relay/Communications Packages): <b>A*</b> , <b>B*</b> , <b>C*</b> , K, L, M, <b>N*</b> , P, S |                              |       |        |                     |                                                                          |                      |

## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

### TABLE 3 - SUBCOMPONENTS

DOCUMENT NO.: 17015CR1.0

|                                       |  |                                                                                                                           |       |        |                  |                     |            |
|---------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|-------|--------|------------------|---------------------|------------|
| MANUFACTURER:                         |  | STORED ENERGY SYSTEMS                                                                                                     |       |        |                  |                     |            |
| PRODUCT FAMILY:                       |  | BATTERY CHARGERS FOR GENSETS                                                                                              |       |        |                  |                     |            |
| MODEL NUMBER                          |  | DIMENSIONS (in)                                                                                                           |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES | BASIS      |
|                                       |  | DEPTH                                                                                                                     | WIDTH | HEIGHT |                  |                     |            |
| SENS - Heat Sink Assemblies           |  |                                                                                                                           |       |        |                  |                     |            |
| 209310                                |  |                                                                                                                           |       |        | 2                | 6A                  | INTERP     |
| 209311                                |  |                                                                                                                           |       |        | 2                | 12A                 | INTERP     |
| 209312                                |  |                                                                                                                           |       |        | 2                | 16A                 | INTERP     |
| 209313                                |  |                                                                                                                           |       |        | 7                | 25A                 | UUT 4      |
| 209314                                |  |                                                                                                                           |       |        | 7                | 35A                 | INTERP     |
| 209315                                |  |                                                                                                                           |       |        | 7                | 50A                 | UUT 1      |
| 209319                                |  |                                                                                                                           |       |        | 7                | 25A                 | INTERP     |
| 209316                                |  |                                                                                                                           |       |        | 20               | 75A                 | INTERP     |
| 209317                                |  |                                                                                                                           |       |        | 20               | 100A                | INTERP     |
| 209318                                |  |                                                                                                                           |       |        | 23               | 150A                | UUT 12     |
| C&H Technology - Heat Sink Assemblies |  |                                                                                                                           |       |        |                  |                     |            |
| 300603                                |  |                                                                                                                           |       |        | 11               | 1600A               | UUT 6      |
| 209706                                |  |                                                                                                                           |       |        | 43               | 4800A               | UUT 3      |
| United Chemi-Con - Capacitors         |  |                                                                                                                           |       |        |                  |                     |            |
| 501129                                |  |                                                                                                                           |       |        | 1                | 68,000μF, 50V       | UUT 10, 12 |
| 501134                                |  |                                                                                                                           |       |        | 1                | 47,000μF, 63V       | INTERP     |
| 501140                                |  |                                                                                                                           |       |        | 1.3              | 8,200μF, 200V       | UUT 1, 4   |
| 501151                                |  |                                                                                                                           |       |        | 1.3              | 3,300μF, 350V       | INTERP     |
| Vishay - Capacitors                   |  |                                                                                                                           |       |        |                  |                     |            |
| 501151                                |  |                                                                                                                           |       |        | 1.3              | 3,300μF, 350V       | UUT 11     |
| SENS - Chokes/Inductors               |  |                                                                                                                           |       |        |                  |                     |            |
| 602273                                |  |                                                                                                                           |       |        | 4.5              | 12A                 | INTERP     |
| 602275                                |  |                                                                                                                           |       |        | 4.5              | 16A                 | INTERP     |
| 602212                                |  |                                                                                                                           |       |        | 4.5              | 16A                 | INTERP     |
| 602278                                |  |                                                                                                                           |       |        | 4.5              | 25A                 | INTERP     |
| 602281                                |  |                                                                                                                           |       |        | 4.5              | 35A                 | INTERP     |
| 602270                                |  |                                                                                                                           |       |        | 4.5              | 6A                  | INTERP     |
| 602300                                |  |                                                                                                                           |       |        | 5                | 20A                 | UUT 5, 18  |
| 602213                                |  |                                                                                                                           |       |        | 5                | 25A                 | INTERP     |
| 602284                                |  |                                                                                                                           |       |        | 5                | 50A                 | INTERP     |
| 602271                                |  |                                                                                                                           |       |        | 5                | 6A                  | INTERP     |
| 602276                                |  |                                                                                                                           |       |        | 5.5              | 16A                 | INTERP     |
| 602214                                |  |                                                                                                                           |       |        | 6.5              | 35A                 | INTERP     |
| 602225                                |  |                                                                                                                           |       |        | 8                | 12A                 | INTERP     |
| 602287                                |  |                                                                                                                           |       |        | 8                | 75A                 | INTERP     |
| 602229                                |  |                                                                                                                           |       |        | 8.5              | 16A                 | INTERP     |
| 602221                                |  |                                                                                                                           |       |        | 11               | 6A                  | INTERP     |
| 602Q74                                |  |                                                                                                                           |       |        | 12               | 12A                 | INTERP     |
| 602215                                |  |                                                                                                                           |       |        | 12               | 50A                 | INTERP     |
| 602230                                |  |                                                                                                                           |       |        | 12.5             | 16A                 | INTERP     |
| 602Q79                                |  |                                                                                                                           |       |        | 12.5             | 25A                 | UUT 4      |
| 602238                                |  |                                                                                                                           |       |        | 12.5             | 35A                 | INTERP     |
| NOTES:                                |  | Table continues on the next page. Additional notes, information and seismic parameters are shown at the end of the table. |       |        |                  |                     |            |

## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

### TABLE 3 - SUBCOMPONENTS (continued)

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                  |  |                              |       |        |                  |                     |        |
|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|-------|--------|------------------|---------------------|--------|
| MANUFACTURER:                                                                                                                    |  | STORED ENERGY SYSTEMS        |       |        |                  |                     |        |
| PRODUCT FAMILY:                                                                                                                  |  | BATTERY CHARGERS FOR GENSETS |       |        |                  |                     |        |
| MODEL NUMBER                                                                                                                     |  | DIMENSIONS (in)              |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES | BASIS  |
|                                                                                                                                  |  | DEPTH                        | WIDTH | HEIGHT |                  |                     |        |
| SENS - Chokes/Inductors (continued)                                                                                              |  |                              |       |        |                  |                     |        |
| 602277                                                                                                                           |  |                              |       |        | 13               | 16A                 | INTERP |
| 602289                                                                                                                           |  |                              |       |        | 16               | 100A                | INTERP |
| 602234                                                                                                                           |  |                              |       |        | 16               | 25A                 | INTERP |
| 602222                                                                                                                           |  |                              |       |        | 16               | 6A                  | INTERP |
| 602223                                                                                                                           |  |                              |       |        | 16               | 6A                  | INTERP |
| 602283                                                                                                                           |  |                              |       |        | 17               | 35A                 | INTERP |
| 602216                                                                                                                           |  |                              |       |        | 17               | 75A                 | INTERP |
| 602226                                                                                                                           |  |                              |       |        | 18               | 12A                 | INTERP |
| 602242                                                                                                                           |  |                              |       |        | 18               | 50A                 | INTERP |
| 602211                                                                                                                           |  |                              |       |        | 18               | 6A                  | INTERP |
| 602231                                                                                                                           |  |                              |       |        | 24.5             | 16A                 | INTERP |
| 602239                                                                                                                           |  |                              |       |        | 24.5             | 35A                 | INTERP |
| 602227                                                                                                                           |  |                              |       |        | 25               | 12A                 | INTERP |
| 602217                                                                                                                           |  |                              |       |        | 26               | 100A                | INTERP |
| 602280                                                                                                                           |  |                              |       |        | 26               | 25A                 | INTERP |
| 602286                                                                                                                           |  |                              |       |        | 26               | 50A                 | UUT 1  |
| 602291                                                                                                                           |  |                              |       |        | 28               | 150A                | INTERP |
| 602235                                                                                                                           |  |                              |       |        | 33               | 25A                 | INTERP |
| 602246                                                                                                                           |  |                              |       |        | 33               | 75A                 | INTERP |
| 602243                                                                                                                           |  |                              |       |        | 33.5             | 50A                 | INTERP |
| 602224                                                                                                                           |  |                              |       |        | 33.5             | 6A                  | INTERP |
| 602249                                                                                                                           |  |                              |       |        | 34               | 100A                | INTERP |
| 602240                                                                                                                           |  |                              |       |        | 37.5             | 35A                 | INTERP |
| 602247                                                                                                                           |  |                              |       |        | 41               | 75A                 | INTERP |
| 602232                                                                                                                           |  |                              |       |        | 44               | 16A                 | INTERP |
| 602228                                                                                                                           |  |                              |       |        | 52               | 12A                 | INTERP |
| 602236                                                                                                                           |  |                              |       |        | 55               | 25A                 | UUT 4  |
| 602244                                                                                                                           |  |                              |       |        | 62               | 50A                 | INTERP |
| 602250                                                                                                                           |  |                              |       |        | 63               | 100A                | INTERP |
| 602248                                                                                                                           |  |                              |       |        | 63               | 75A                 | INTERP |
| 602241                                                                                                                           |  |                              |       |        | 64               | 35A                 | INTERP |
| 602233                                                                                                                           |  |                              |       |        | 65               | 16A                 | INTERP |
| 602253                                                                                                                           |  |                              |       |        | 66               | 150A                | INTERP |
| 602251                                                                                                                           |  |                              |       |        | 78               | 100A                | INTERP |
| 602237                                                                                                                           |  |                              |       |        | 87               | 25A                 | INTERP |
| 602245                                                                                                                           |  |                              |       |        | 87               | 50A                 | UUT 1  |
| NOTES: Table continues on the next page. Additional notes, information and seismic parameters are shown at the end of the table. |  |                              |       |        |                  |                     |        |

## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

**TABLE 3 - SUBCOMPONENTS (continued)**

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                  |  |                              |       |        |                  |                        |           |
|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|-------|--------|------------------|------------------------|-----------|
| MANUFACTURER:                                                                                                                    |  | STORED ENERGY SYSTEMS        |       |        |                  |                        |           |
| PRODUCT FAMILY:                                                                                                                  |  | BATTERY CHARGERS FOR GENSETS |       |        |                  |                        |           |
| MODEL NUMBER                                                                                                                     |  | DIMENSIONS (in)              |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES    | BASIS     |
|                                                                                                                                  |  | DEPTH                        | WIDTH | HEIGHT |                  |                        |           |
| Intermag Limited Co. - Transformers                                                                                              |  |                              |       |        |                  |                        |           |
| 600539                                                                                                                           |  |                              |       |        | 5                | 100VA, copper windings | UUT 8, 16 |
| SENS - Transformers                                                                                                              |  |                              |       |        |                  |                        |           |
| 600Q10T                                                                                                                          |  |                              |       |        | 1.5              | 168VA, copper windings | INTERP    |
| 600Q108                                                                                                                          |  |                              |       |        | 11               | 168VA, copper windings | INTERP    |
| 600Q10P                                                                                                                          |  |                              |       |        | 12               | 168VA, copper windings | INTERP    |
| 600Q01T                                                                                                                          |  |                              |       |        | 12               | 168VA, copper windings | INTERP    |
| 600Q018                                                                                                                          |  |                              |       |        | 12               | 168VA, copper windings | INTERP    |
| 600Q10V                                                                                                                          |  |                              |       |        | 12               | 168VA, copper windings | INTERP    |
| 600Q01P                                                                                                                          |  |                              |       |        | 15.5             | 168VA, copper windings | INTERP    |
| 600Q01V                                                                                                                          |  |                              |       |        | 15.5             | 168VA, copper windings | INTERP    |
| 600Q20P                                                                                                                          |  |                              |       |        | 15.5             | 336VA, copper windings | INTERP    |
| 600Q20T                                                                                                                          |  |                              |       |        | 15.5             | 336VA, copper windings | INTERP    |
| 600Q208                                                                                                                          |  |                              |       |        | 15.5             | 336VA, copper windings | INTERP    |
| 600Q11P                                                                                                                          |  |                              |       |        | 16               | 336VA, copper windings | INTERP    |
| 600Q11T                                                                                                                          |  |                              |       |        | 16               | 336VA, copper windings | INTERP    |
| 600Q118                                                                                                                          |  |                              |       |        | 16               | 336VA, copper windings | INTERP    |
| 600Q11V                                                                                                                          |  |                              |       |        | 16               | 336VA, copper windings | INTERP    |
| 600Q03V                                                                                                                          |  |                              |       |        | 16               | 350VA, copper windings | INTERP    |
| 600Q20V                                                                                                                          |  |                              |       |        | 16.5             | 336VA, copper windings | INTERP    |
| 600Q03P                                                                                                                          |  |                              |       |        | 16.5             | 350VA, copper windings | INTERP    |
| 600Q03T                                                                                                                          |  |                              |       |        | 16.5             | 350VA, copper windings | INTERP    |
| 600Q038                                                                                                                          |  |                              |       |        | 16.5             | 350VA, copper windings | INTERP    |
| 600600R                                                                                                                          |  |                              |       |        | 17               | 280VA, copper windings | UUT 7, 17 |
| 600600H                                                                                                                          |  |                              |       |        | 17               | 280VA, copper windings | INTERP    |
| 600Q12T                                                                                                                          |  |                              |       |        | 20.5             | 448VA, copper windings | INTERP    |
| 600Q128                                                                                                                          |  |                              |       |        | 21.5             | 448VA, copper windings | INTERP    |
| 600Q12V                                                                                                                          |  |                              |       |        | 24.5             | 448VA, copper windings | INTERP    |
| 600Q12P                                                                                                                          |  |                              |       |        | 25               | 448VA, copper windings | INTERP    |
| 600902R                                                                                                                          |  |                              |       |        | 25               | 560VA, copper windings | UUT 5, 18 |
| 600902H                                                                                                                          |  |                              |       |        | 25               | 560VA, copper windings | INTERP    |
| 600Q21T                                                                                                                          |  |                              |       |        | 25.5             | 672VA, copper windings | INTERP    |
| 600Q218                                                                                                                          |  |                              |       |        | 25.5             | 672VA, copper windings | INTERP    |
| 600Q13T                                                                                                                          |  |                              |       |        | 25.5             | 700VA, copper windings | INTERP    |
| 600Q138                                                                                                                          |  |                              |       |        | 25.5             | 700VA, copper windings | INTERP    |
| 600Q05T                                                                                                                          |  |                              |       |        | 27               | 700VA, copper windings | INTERP    |
| 600Q058                                                                                                                          |  |                              |       |        | 27               | 700VA, copper windings | INTERP    |
| 600Q21P                                                                                                                          |  |                              |       |        | 27.5             | 672VA, copper windings | INTERP    |
| 600Q21V                                                                                                                          |  |                              |       |        | 28               | 672VA, copper windings | INTERP    |
| 600Q30T                                                                                                                          |  |                              |       |        | 28               | 840VA, copper windings | INTERP    |
| 600Q308                                                                                                                          |  |                              |       |        | 28               | 840VA, copper windings | INTERP    |
| 600Q13V                                                                                                                          |  |                              |       |        | 28.5             | 700VA, copper windings | INTERP    |
| 600Q13P                                                                                                                          |  |                              |       |        | 29.5             | 700VA, copper windings | INTERP    |
| NOTES: Table continues on the next page. Additional notes, information and seismic parameters are shown at the end of the table. |  |                              |       |        |                  |                        |           |



## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

### TABLE 3 - SUBCOMPONENTS (continued)

DOCUMENT NO.: 17015CR1.0

|                                 |  |                                                                                                                           |       |        |                  |                         |        |
|---------------------------------|--|---------------------------------------------------------------------------------------------------------------------------|-------|--------|------------------|-------------------------|--------|
| MANUFACTURER:                   |  | STORED ENERGY SYSTEMS                                                                                                     |       |        |                  |                         |        |
| PRODUCT FAMILY:                 |  | BATTERY CHARGERS FOR GENSETS                                                                                              |       |        |                  |                         |        |
| MODEL NUMBER                    |  | DIMENSIONS (in)                                                                                                           |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES     | BASIS  |
|                                 |  | DEPTH                                                                                                                     | WIDTH | HEIGHT |                  |                         |        |
| SENS - Transformers (continued) |  |                                                                                                                           |       |        |                  |                         |        |
| 600Q05P                         |  |                                                                                                                           |       |        | 31.5             | 700VA, copper windings  | INTERP |
| 600Q05V                         |  |                                                                                                                           |       |        | 32               | 700VA, copper windings  | INTERP |
| 600Q30P                         |  |                                                                                                                           |       |        | 32.5             | 840VA, copper windings  | INTERP |
| 600030V                         |  |                                                                                                                           |       |        | 32.5             | 840VA, copper windings  | INTERP |
| 600Q22T                         |  |                                                                                                                           |       |        | 33               | 896VA, copper windings  | INTERP |
| 600Q228                         |  |                                                                                                                           |       |        | 33               | 896VA, copper windings  | INTERP |
| 600Q14T                         |  |                                                                                                                           |       |        | 33.5             | 980VA, copper windings  | INTERP |
| 600Q22V                         |  |                                                                                                                           |       |        | 34.5             | 896VA, copper windings  | INTERP |
| 600Q148                         |  |                                                                                                                           |       |        | 34.5             | 980VA, copper windings  | INTERP |
| 600Q22P                         |  |                                                                                                                           |       |        | 35.5             | 896VA, copper windings  | INTERP |
| 600Q14P                         |  |                                                                                                                           |       |        | 39               | 980VA, copper windings  | INTERP |
| 600Q06P                         |  |                                                                                                                           |       |        | 40               | 1050VA, copper windings | INTERP |
| 600Q06T                         |  |                                                                                                                           |       |        | 40               | 1050VA, copper windings | INTERP |
| 600Q068                         |  |                                                                                                                           |       |        | 40               | 1050VA, copper windings | INTERP |
| 600Q06V                         |  |                                                                                                                           |       |        | 40               | 1050VA, copper windings | INTERP |
| 600Q14V                         |  |                                                                                                                           |       |        | 40.5             | 980VA, copper windings  | INTERP |
| 600Q408                         |  |                                                                                                                           |       |        | 42               | 1680VA, copper windings | INTERP |
| 600Q318                         |  |                                                                                                                           |       |        | 45               | 1680VA, copper windings | INTERP |
| 600Q40T                         |  |                                                                                                                           |       |        | 45.5             | 1680VA, copper windings | INTERP |
| 600Q31T                         |  |                                                                                                                           |       |        | 46.5             | 1680VA, copper windings | INTERP |
| 600Q23T                         |  |                                                                                                                           |       |        | 47.5             | 1400VA, copper windings | INTERP |
| 600Q238                         |  |                                                                                                                           |       |        | 47.5             | 1400VA, copper windings | INTERP |
| 600Q15T                         |  |                                                                                                                           |       |        | 48.5             | 1400VA, copper windings | INTERP |
| 600Q158                         |  |                                                                                                                           |       |        | 48.5             | 1400VA, copper windings | INTERP |
| 600Q07T                         |  |                                                                                                                           |       |        | 51               | 1400VA, copper windings | INTERP |
| 600Q078                         |  |                                                                                                                           |       |        | 51               | 1400VA, copper windings | INTERP |
| 600Q07V                         |  |                                                                                                                           |       |        | 51               | 1400VA, copper windings | INTERP |
| 600Q16T                         |  |                                                                                                                           |       |        | 51               | 2100VA, copper windings | INTERP |
| 600Q40V                         |  |                                                                                                                           |       |        | 52               | 1680VA, copper windings | INTERP |
| 600Q168                         |  |                                                                                                                           |       |        | 52               | 2100VA, copper windings | INTERP |
| 600Q16V                         |  |                                                                                                                           |       |        | 52               | 2100VA, copper windings | INTERP |
| 600Q40P                         |  |                                                                                                                           |       |        | 55               | 1680VA, copper windings | INTERP |
| 600Q248                         |  |                                                                                                                           |       |        | 55               | 1960VA, copper windings | INTERP |
| 600Q31V                         |  |                                                                                                                           |       |        | 55.5             | 1680VA, copper windings | INTERP |
| 600Q31P                         |  |                                                                                                                           |       |        | 56.5             | 1680VA, copper windings | INTERP |
| 600Q23P                         |  |                                                                                                                           |       |        | 57.5             | 1400VA, copper windings | INTERP |
| 600Q258                         |  |                                                                                                                           |       |        | 57.5             | 2800VA, copper windings | INTERP |
| 600Q24T                         |  |                                                                                                                           |       |        | 58               | 1960VA, copper windings | INTERP |
| 600Q16P                         |  |                                                                                                                           |       |        | 58               | 2100VA, copper windings | INTERP |
| 600Q25T                         |  |                                                                                                                           |       |        | 58               | 2800VA, copper windings | INTERP |
| 600Q23V                         |  |                                                                                                                           |       |        | 58.5             | 1400VA, copper windings | INTERP |
| 600Q15P                         |  |                                                                                                                           |       |        | 59               | 1400VA, copper windings | INTERP |
| NOTES:                          |  | Table continues on the next page. Additional notes, information and seismic parameters are shown at the end of the table. |       |        |                  |                         |        |

## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

**TABLE 3 - SUBCOMPONENTS (continued)**

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                  |  |                              |       |        |                  |                         |        |
|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|-------|--------|------------------|-------------------------|--------|
| MANUFACTURER:                                                                                                                    |  | STORED ENERGY SYSTEMS        |       |        |                  |                         |        |
| PRODUCT FAMILY:                                                                                                                  |  | BATTERY CHARGERS FOR GENSETS |       |        |                  |                         |        |
| MODEL NUMBER                                                                                                                     |  | DIMENSIONS (in)              |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES     | BASIS  |
|                                                                                                                                  |  | DEPTH                        | WIDTH | HEIGHT |                  |                         |        |
| SENS - Transformers (continued)                                                                                                  |  |                              |       |        |                  |                         |        |
| 600Q15V                                                                                                                          |  |                              |       |        | 59               | 1400VA, copper windings | INTERP |
| 600Q32P                                                                                                                          |  |                              |       |        | 59               | 2240VA, copper windings | INTERP |
| 600Q17T                                                                                                                          |  |                              |       |        | 59               | 2800VA, copper windings | INTERP |
| 600Q178                                                                                                                          |  |                              |       |        | 59               | 2800VA, copper windings | INTERP |
| 600Q17V                                                                                                                          |  |                              |       |        | 59               | 2800VA, copper windings | INTERP |
| 600Q328                                                                                                                          |  |                              |       |        | 59.5             | 2240VA, copper windings | INTERP |
| 600Q32V                                                                                                                          |  |                              |       |        | 59.5             | 2240VA, copper windings | INTERP |
| 600Q07P                                                                                                                          |  |                              |       |        | 60               | 1400VA, copper windings | INTERP |
| 600Q32T                                                                                                                          |  |                              |       |        | 60               | 2240VA, copper windings | INTERP |
| 600Q24V                                                                                                                          |  |                              |       |        | 65.5             | 1960VA, copper windings | INTERP |
| 600Q25P                                                                                                                          |  |                              |       |        | 65.5             | 2800VA, copper windings | INTERP |
| 600Q24P                                                                                                                          |  |                              |       |        | 67               | 1960VA, copper windings | INTERP |
| 600Q25V                                                                                                                          |  |                              |       |        | 67               | 2800VA, copper windings | INTERP |
| 600Q08T                                                                                                                          |  |                              |       |        | 68               | 2100VA, copper windings | INTERP |
| 600Q17P                                                                                                                          |  |                              |       |        | 68               | 2800VA, copper windings | INTERP |
| 600Q088                                                                                                                          |  |                              |       |        | 69               | 2100VA, copper windings | INTERP |
| 600Q08V                                                                                                                          |  |                              |       |        | 69               | 2100VA, copper windings | INTERP |
| 600Q338                                                                                                                          |  |                              |       |        | 69.5             | 3500VA, copper windings | INTERP |
| 600Q41T                                                                                                                          |  |                              |       |        | 70               | 3360VA, copper windings | INTERP |
| 600Q33T                                                                                                                          |  |                              |       |        | 70               | 3500VA, copper windings | UUT 4  |
| 600Q418                                                                                                                          |  |                              |       |        | 74.5             | 3360VA, copper windings | INTERP |
| 600Q08P                                                                                                                          |  |                              |       |        | 76               | 2100VA, copper windings | INTERP |
| 600Q18S                                                                                                                          |  |                              |       |        | 77               | 4200VA, copper windings | INTERP |
| 600Q26S                                                                                                                          |  |                              |       |        | 77               | 4200VA, copper windings | INTERP |
| 600Q18Z                                                                                                                          |  |                              |       |        | 78               | 4200VA, copper windings | INTERP |
| 600Q26Z                                                                                                                          |  |                              |       |        | 78               | 4200VA, copper windings | INTERP |
| 600Q183                                                                                                                          |  |                              |       |        | 79               | 4200VA, copper windings | INTERP |
| 600Q263                                                                                                                          |  |                              |       |        | 79               | 4200VA, copper windings | INTERP |
| 600Q188                                                                                                                          |  |                              |       |        | 79               | 4200VA, copper windings | INTERP |
| 600Q268                                                                                                                          |  |                              |       |        | 79               | 4200VA, copper windings | INTERP |
| 600Q18V                                                                                                                          |  |                              |       |        | 79               | 4200VA, copper windings | INTERP |
| 600Q26V                                                                                                                          |  |                              |       |        | 79               | 4200VA, copper windings | INTERP |
| 600Q41V                                                                                                                          |  |                              |       |        | 80               | 3360VA, copper windings | INTERP |
| 600Q33V                                                                                                                          |  |                              |       |        | 80               | 3500VA, copper windings | INTERP |
| 600Q41P                                                                                                                          |  |                              |       |        | 84               | 3360VA, copper windings | INTERP |
| 600Q423                                                                                                                          |  |                              |       |        | 84               | 4480VA, copper windings | INTERP |
| 600Q33P                                                                                                                          |  |                              |       |        | 84.5             | 3500VA, copper windings | INTERP |
| 600Q343                                                                                                                          |  |                              |       |        | 85               | 4900VA, copper windings | INTERP |
| 600Q42S                                                                                                                          |  |                              |       |        | 87               | 4480VA, copper windings | INTERP |
| 600Q428                                                                                                                          |  |                              |       |        | 87               | 4480VA, copper windings | INTERP |
| 600Q42V                                                                                                                          |  |                              |       |        | 87               | 4480VA, copper windings | INTERP |
| 600Q264                                                                                                                          |  |                              |       |        | 88               | 4200VA, copper windings | INTERP |
| NOTES: Table continues on the next page. Additional notes, information and seismic parameters are shown at the end of the table. |  |                              |       |        |                  |                         |        |

## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

**TABLE 3 - SUBCOMPONENTS (continued)**

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                  |  |                              |       |        |                  |                         |           |
|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|-------|--------|------------------|-------------------------|-----------|
| MANUFACTURER:                                                                                                                    |  | STORED ENERGY SYSTEMS        |       |        |                  |                         |           |
| PRODUCT FAMILY:                                                                                                                  |  | BATTERY CHARGERS FOR GENSETS |       |        |                  |                         |           |
| MODEL NUMBER                                                                                                                     |  | DIMENSIONS (in)              |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES     | BASIS     |
|                                                                                                                                  |  | DEPTH                        | WIDTH | HEIGHT |                  |                         |           |
| SENS - Transformers (continued)                                                                                                  |  |                              |       |        |                  |                         |           |
| 600Q42Z                                                                                                                          |  |                              |       |        | 88               | 4480VA, copper windings | INTERP    |
| 600Q34S                                                                                                                          |  |                              |       |        | 88               | 4900VA, copper windings | INTERP    |
| 600Q348                                                                                                                          |  |                              |       |        | 88               | 4900VA, copper windings | INTERP    |
| 600Q34V                                                                                                                          |  |                              |       |        | 88               | 4900VA, copper windings | INTERP    |
| 600Q34Z                                                                                                                          |  |                              |       |        | 89               | 4900VA, copper windings | INTERP    |
| 600Q184                                                                                                                          |  |                              |       |        | 94               | 4200VA, copper windings | INTERP    |
| 600Q424                                                                                                                          |  |                              |       |        | 99               | 4480VA, copper windings | INTERP    |
| 600Q344                                                                                                                          |  |                              |       |        | 102              | 4900VA, copper windings | INTERP    |
| 600Q273                                                                                                                          |  |                              |       |        | 102              | 5600VA, copper windings | INTERP    |
| 600Q27S                                                                                                                          |  |                              |       |        | 106              | 5600VA, copper windings | INTERP    |
| 600Q278                                                                                                                          |  |                              |       |        | 106              | 5600VA, copper windings | INTERP    |
| 600Q27V                                                                                                                          |  |                              |       |        | 106              | 5600VA, copper windings | INTERP    |
| 600Q27Z                                                                                                                          |  |                              |       |        | 107              | 5600VA, copper windings | INTERP    |
| 600Q274                                                                                                                          |  |                              |       |        | 116              | 5600VA, copper windings | INTERP    |
| 600Q35S                                                                                                                          |  |                              |       |        | 125              | 7000VA, copper windings | UUT 1     |
| 600Q353                                                                                                                          |  |                              |       |        | 125              | 7000VA, copper windings | INTERP    |
| 600Q433                                                                                                                          |  |                              |       |        | 125              | 7000VA, copper windings | INTERP    |
| 600Q358                                                                                                                          |  |                              |       |        | 125              | 7000VA, copper windings | INTERP    |
| 600Q35V                                                                                                                          |  |                              |       |        | 125              | 7000VA, copper windings | INTERP    |
| 600Q35Z                                                                                                                          |  |                              |       |        | 128              | 7000VA, copper windings | INTERP    |
| 600Q43S                                                                                                                          |  |                              |       |        | 129              | 7000VA, copper windings | INTERP    |
| 600Q438                                                                                                                          |  |                              |       |        | 129              | 7000VA, copper windings | INTERP    |
| 600Q43V                                                                                                                          |  |                              |       |        | 129              | 7000VA, copper windings | INTERP    |
| 600Q43Z                                                                                                                          |  |                              |       |        | 131              | 7000VA, copper windings | INTERP    |
| 600Q434                                                                                                                          |  |                              |       |        | 146              | 7000VA, copper windings | INTERP    |
| 600Q354                                                                                                                          |  |                              |       |        | 146              | 7000VA, copper windings | UUT 13    |
| SENS - Circuit Boards                                                                                                            |  |                              |       |        |                  |                         |           |
| 206401                                                                                                                           |  |                              |       |        | 1                |                         | UUT 8, 16 |
| 206400                                                                                                                           |  |                              |       |        | 1                |                         | INTERP    |
| 206121                                                                                                                           |  |                              |       |        | 1                |                         | UUT 7, 17 |
| 206720                                                                                                                           |  |                              |       |        | 1                |                         | UUT 5, 18 |
| 202600                                                                                                                           |  |                              |       |        | 1                |                         | INTERP    |
| 203971                                                                                                                           |  |                              |       |        | 1                |                         | INTERP    |
| 207230                                                                                                                           |  |                              |       |        | 1                |                         | INTERP    |
| 207260HV                                                                                                                         |  |                              |       |        | 1                |                         | INTERP    |
| 207260LV                                                                                                                         |  |                              |       |        | 1                |                         | INTERP    |
| 206200                                                                                                                           |  |                              |       |        | 1                |                         | UUT 1, 4  |
| NOTES: Table continues on the next page. Additional notes, information and seismic parameters are shown at the end of the table. |  |                              |       |        |                  |                         |           |

## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

### TABLE 3 - SUBCOMPONENTS (continued)

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                  |  |                              |       |        |                  |                     |          |
|----------------------------------------------------------------------------------------------------------------------------------|--|------------------------------|-------|--------|------------------|---------------------|----------|
| MANUFACTURER:                                                                                                                    |  | STORED ENERGY SYSTEMS        |       |        |                  |                     |          |
| PRODUCT FAMILY:                                                                                                                  |  | BATTERY CHARGERS FOR GENSETS |       |        |                  |                     |          |
| MODEL NUMBER                                                                                                                     |  | DIMENSIONS (in)              |       |        | MAX. WT.<br>(lb) | DESCRIPTION / NOTES | BASIS    |
|                                                                                                                                  |  | DEPTH                        | WIDTH | HEIGHT |                  |                     |          |
| Eaton Cutler-Hammer - Circuit Breakers                                                                                           |  |                              |       |        |                  |                     |          |
| 702365                                                                                                                           |  |                              |       |        | 2                | 15A                 | INTERP   |
| 702366                                                                                                                           |  |                              |       |        | 2                | 20A                 | INTERP   |
| 702367                                                                                                                           |  |                              |       |        | 2                | 25A                 | INTERP   |
| 702368                                                                                                                           |  |                              |       |        | 2                | 30A                 | UUT 9    |
| 702369                                                                                                                           |  |                              |       |        | 2                | 40A                 | INTERP   |
| 702370                                                                                                                           |  |                              |       |        | 2                | 45A                 | INTERP   |
| 702371                                                                                                                           |  |                              |       |        | 2                | 50A                 | INTERP   |
| 702372                                                                                                                           |  |                              |       |        | 2                | 60A                 | INTERP   |
| 702373                                                                                                                           |  |                              |       |        | 2                | 70A                 | INTERP   |
| 702485                                                                                                                           |  |                              |       |        | 3                | 200A                | UUT 12   |
| Square D - Circuit Breakers                                                                                                      |  |                              |       |        |                  |                     |          |
| 702520                                                                                                                           |  |                              |       |        | 1                | 10A                 | INTERP   |
| 702360                                                                                                                           |  |                              |       |        | 1                | 15A                 | INTERP   |
| 702521                                                                                                                           |  |                              |       |        | 1                | 15A                 | INTERP   |
| 702361                                                                                                                           |  |                              |       |        | 1                | 20A                 | INTERP   |
| 702522                                                                                                                           |  |                              |       |        | 1                | 20A                 | INTERP   |
| 702363                                                                                                                           |  |                              |       |        | 1                | 25A                 | INTERP   |
| 702531                                                                                                                           |  |                              |       |        | 1                | 25A                 | INTERP   |
| 702364                                                                                                                           |  |                              |       |        | 1                | 30A                 | INTERP   |
| 702523                                                                                                                           |  |                              |       |        | 1                | 30A                 | INTERP   |
| 702514                                                                                                                           |  |                              |       |        | 1                | 35A                 | INTERP   |
| 702524                                                                                                                           |  |                              |       |        | 1                | 40A                 | INTERP   |
| 702525                                                                                                                           |  |                              |       |        | 1                | 45A                 | INTERP   |
| 702526                                                                                                                           |  |                              |       |        | 1                | 50A                 | INTERP   |
| 702532                                                                                                                           |  |                              |       |        | 1                | 60A                 | UUT 1, 4 |
| 702527                                                                                                                           |  |                              |       |        | 1                | 70A                 | INTERP   |
| 702530                                                                                                                           |  |                              |       |        | 1                | 100A                | INTERP   |
| 702578                                                                                                                           |  |                              |       |        | 1                | 125A                | INTERP   |
| 702582                                                                                                                           |  |                              |       |        | 3                | 15A                 | UUT 10   |
| 702583                                                                                                                           |  |                              |       |        | 3                | 20A                 | INTERP   |
| 702854                                                                                                                           |  |                              |       |        | 3                | 25A                 | INTERP   |
| 702585                                                                                                                           |  |                              |       |        | 3                | 30A                 | INTERP   |
| 702472                                                                                                                           |  |                              |       |        | 3                | 35A                 | UUT 4    |
| 702587                                                                                                                           |  |                              |       |        | 3                | 40A                 | INTERP   |
| 702399                                                                                                                           |  |                              |       |        | 3                | 45A                 | INTERP   |
| 702473                                                                                                                           |  |                              |       |        | 3                | 50A                 | INTERP   |
| 702592                                                                                                                           |  |                              |       |        | 3                | 60A                 | INTERP   |
| 702474                                                                                                                           |  |                              |       |        | 3                | 70A                 | UUT 1    |
| NOTES: Table continues on the next page. Additional notes, information and seismic parameters are shown at the end of the table. |  |                              |       |        |                  |                     |          |

## ATTACHMENT 1: CERTIFIED COMPONENTS

## SEISMIC COMPLIANCE REPORT

**TABLE 3 - SUBCOMPONENTS (continued)**

DOCUMENT NO.: 17015CR1.0

|                                  |                                                                                                                            |                 |       |        |                     |                                                                          |                      |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|-------|--------|---------------------|--------------------------------------------------------------------------|----------------------|
| MANUFACTURER:                    | STORED ENERGY SYSTEMS                                                                                                      |                 |       |        |                     |                                                                          |                      |
| PRODUCT FAMILY:                  | BATTERY CHARGERS FOR GENSETS                                                                                               |                 |       |        |                     |                                                                          |                      |
| MODEL NUMBER                     |                                                                                                                            | DIMENSIONS (in) |       |        | MAX. WT.<br>(lb)    | DESCRIPTION / NOTES                                                      | BASIS                |
|                                  |                                                                                                                            | DEPTH           | WIDTH | HEIGHT |                     |                                                                          |                      |
| Vishay - Resistors               |                                                                                                                            |                 |       |        |                     |                                                                          |                      |
| 408638                           |                                                                                                                            |                 |       |        | 1                   | 155W                                                                     | UUT 9                |
| Square D - Contactors            |                                                                                                                            |                 |       |        |                     |                                                                          |                      |
| 701026                           |                                                                                                                            |                 |       |        | 1                   | 30A                                                                      | UUT 9                |
| Eaton Cutler-Hammer - Contactors |                                                                                                                            |                 |       |        |                     |                                                                          |                      |
| 701027                           |                                                                                                                            |                 |       |        | 1                   | 60A                                                                      | UUT 11               |
| ILSCO - Terminal Blocks          |                                                                                                                            |                 |       |        |                     |                                                                          |                      |
| 801220                           |                                                                                                                            |                 |       |        | 1.5                 | 620A                                                                     | UUT 6                |
| MOUNTING:                        | Mounted within unit.                                                                                                       |                 |       |        | SEISMIC<br>LEVEL(S) | S <sub>DS</sub> = 2.0g for z/h = 1<br>S <sub>DS</sub> = 2.5g for z/h = 0 | I <sub>p</sub> = 1.5 |
| NOTES:                           | Product Construction/Options: Model number uniquely identifies manufacturer, materials and configuration of subcomponents. |                 |       |        |                     |                                                                          |                      |

### ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

### SEISMIC COMPLIANCE REPORT

#### UUT 1

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                                                                   |              |                              |                                                                                                         |                              |                              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------|------------------------------|----------|
| <b>MANUFACTURER:</b>                                                                                                                                                              |              |                              | STORED ENERGY SYSTEMS                                                                                   |                              |                              |          |
| <b>MODEL NUMBER:</b>                                                                                                                                                              |              |                              | Q120050SL514BE                                                                                          |                              |                              |          |
| <b>UNIT FUNCTION:</b>                                                                                                                                                             |              |                              | BATTERY CHARGER                                                                                         |                              |                              |          |
| <b>SERIAL NUMBER:</b>                                                                                                                                                             |              |                              | 259341                                                                                                  |                              |                              |          |
| <b>DIMENSIONS (in)</b>                                                                                                                                                            |              |                              | <b>WEIGHT<br/>(lb)</b>                                                                                  | <b>RES. FREQ. (Hz)</b>       |                              |          |
| <b>DEPTH</b>                                                                                                                                                                      | <b>WIDTH</b> | <b>HEIGHT</b>                |                                                                                                         | <b>F-B</b>                   | <b>S-S</b>                   | <b>V</b> |
| 16.1                                                                                                                                                                              | 23.6         | 27.8                         | 334                                                                                                     | N/A                          | N/A                          | N/A      |
| <b>BUILDING CODE</b>                                                                                                                                                              |              |                              | <b>TEST CRITERIA</b>                                                                                    |                              | <b>LAB REPORT NO.</b>        |          |
| 2016 CBC                                                                                                                                                                          |              |                              | ICC-ES AC156                                                                                            |                              | CLARK EL8492                 |          |
| <b>S<sub>DS</sub> (g)</b>                                                                                                                                                         | <b>z/h</b>   | <b>A<sub>FLX-H</sub> (g)</b> | <b>A<sub>RIG-H</sub> (g)</b>                                                                            | <b>A<sub>FLX-V</sub> (g)</b> | <b>A<sub>RIG-V</sub> (g)</b> |          |
| 2.0                                                                                                                                                                               | 1            | 3.2                          | 2.4                                                                                                     | 1.68                         | 0.68                         |          |
| 2.5                                                                                                                                                                               | 0            |                              |                                                                                                         |                              |                              |          |
| <b>IMPORTANCE FACTOR, I<sub>p</sub> = 1.5</b>                                                                                                                                     |              |                              |                                                                                                         |                              |                              |          |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |              |                              |                                                                                                         |                              |                              |          |
| <b>MOUNTING:</b>                                                                                                                                                                  |              |                              | Rigid wall mounted using (8) 1/4" Grade 5 bolts.                                                        |                              |                              |          |
| <b>CONSTRUCTION:</b>                                                                                                                                                              |              |                              | NEMA 1 carbon steel enclosure                                                                           |                              |                              |          |
| <b>SUBCOMPONENTS:</b>                                                                                                                                                             |              |                              | SENS - heat sink (209315), United Chemi-Con - capacitors (602245), SENS - transformer (602532 & 702474) |                              |                              |          |
| <b>TESTING NOTES:</b>                                                                                                                                                             |              |                              | N/A                                                                                                     |                              |                              |          |



#### UUT 3

|                                                                                                                                                                                   |              |                                                  |                              |                              |                              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------|------------------------------|------------------------------|------------------------------|----------|
| <b>MANUFACTURER:</b>                                                                                                                                                              |              |                                                  | STORED ENERGY SYSTEMS        |                              |                              |          |
| <b>MODEL NUMBER:</b>                                                                                                                                                              |              |                                                  | BBS-4800E                    |                              |                              |          |
| <b>UNIT FUNCTION:</b>                                                                                                                                                             |              |                                                  | BATTERY SELECTOR             |                              |                              |          |
| <b>SERIAL NUMBER:</b>                                                                                                                                                             |              |                                                  | 259357                       |                              |                              |          |
| <b>DIMENSIONS (in)</b>                                                                                                                                                            |              |                                                  | <b>WEIGHT</b>                | <b>RES. FREQ. (Hz)</b>       |                              |          |
| <b>DEPTH</b>                                                                                                                                                                      | <b>WIDTH</b> | <b>HEIGHT</b>                                    | <b>(lb)</b>                  | <b>F-B</b>                   | <b>S-S</b>                   | <b>V</b> |
| 13.0                                                                                                                                                                              | 19.4         | 17.6                                             | 75                           | N/A                          | N/A                          | N/A      |
| <b>BUILDING CODE</b>                                                                                                                                                              |              | <b>TEST CRITERIA</b>                             |                              | <b>LAB REPORT NO.</b>        |                              |          |
| 2016 CBC                                                                                                                                                                          |              | ICC-ES AC156                                     |                              | CLARK EL8492                 |                              |          |
| <b>S<sub>DS</sub> (g)</b>                                                                                                                                                         | <b>z/h</b>   | <b>A<sub>FLX-H</sub> (g)</b>                     | <b>A<sub>RIG-H</sub> (g)</b> | <b>A<sub>FLX-V</sub> (g)</b> | <b>A<sub>RIG-V</sub> (g)</b> |          |
| 2.0                                                                                                                                                                               | 1            | 3.2                                              | 2.4                          | 1.68                         | 0.68                         |          |
| 2.5                                                                                                                                                                               | 0            |                                                  |                              |                              |                              |          |
| <b>IMPORTANCE FACTOR, I<sub>p</sub> = 1.5</b>                                                                                                                                     |              |                                                  |                              |                              |                              |          |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |              |                                                  |                              |                              |                              |          |
| <b>MOUNTING:</b>                                                                                                                                                                  |              | Rigid wall mounted using (4) 1/4" Grade 5 bolts. |                              |                              |                              |          |
| <b>CONSTRUCTION:</b>                                                                                                                                                              |              | NEMA 1 carbon steel enclosure                    |                              |                              |                              |          |
| <b>SUBCOMPONENTS:</b>                                                                                                                                                             |              | C&H Technology - heat sink (209706)              |                              |                              |                              |          |
| <b>TESTING NOTES:</b>                                                                                                                                                             |              | N/A                                              |                              |                              |                              |          |





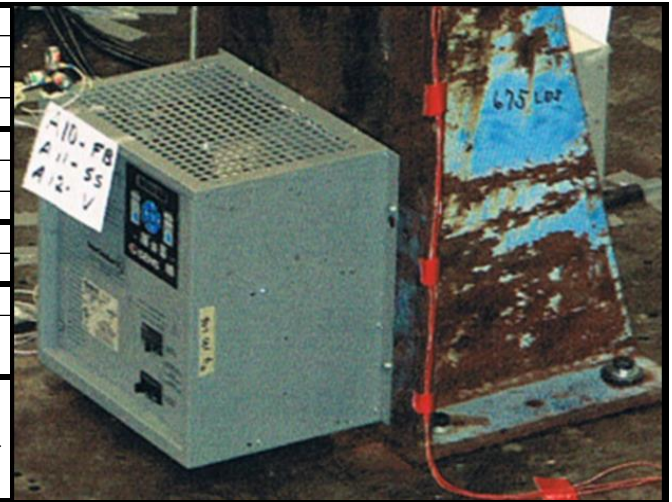
### ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

### SEISMIC COMPLIANCE REPORT

#### UUT 4

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                                                                   |       |                                                                                                                                                                                |                        |                        |                        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|-----|
| MANUFACTURER:                                                                                                                                                                     |       |                                                                                                                                                                                | STORED ENERGY SYSTEMS  |                        |                        |     |
| MODEL NUMBER:                                                                                                                                                                     |       |                                                                                                                                                                                | Q120025TL514BE         |                        |                        |     |
| UNIT FUNCTION:                                                                                                                                                                    |       |                                                                                                                                                                                | BATTERY CHARGER        |                        |                        |     |
| SERIAL NUMBER:                                                                                                                                                                    |       |                                                                                                                                                                                | 259340                 |                        |                        |     |
| DIMENSIONS (in)                                                                                                                                                                   |       |                                                                                                                                                                                | WEIGHT<br>(lb)         | RES. FREQ. (Hz)        |                        |     |
| DEPTH                                                                                                                                                                             | WIDTH | HEIGHT                                                                                                                                                                         |                        | F-B                    | S-S                    | V   |
| 13.0                                                                                                                                                                              | 19.4  | 17.6                                                                                                                                                                           | 190                    | N/A                    | N/A                    | N/A |
| BUILDING CODE                                                                                                                                                                     |       | TEST CRITERIA                                                                                                                                                                  |                        | LAB REPORT NO.         |                        |     |
| 2016 CBC                                                                                                                                                                          |       | ICC-ES AC156                                                                                                                                                                   |                        | CLARK EL8492           |                        |     |
| S <sub>DS</sub> (g)                                                                                                                                                               | z/h   | A <sub>FLX-H</sub> (g)                                                                                                                                                         | A <sub>RIG-H</sub> (g) | A <sub>FLX-V</sub> (g) | A <sub>RIG-V</sub> (g) |     |
| 2.0                                                                                                                                                                               | 1     | 3.2                                                                                                                                                                            | 2.4                    | 1.68                   | 0.68                   |     |
| 2.5                                                                                                                                                                               | 0     |                                                                                                                                                                                |                        |                        |                        |     |
| IMPORTANCE FACTOR, I <sub>p</sub> = 1.5                                                                                                                                           |       |                                                                                                                                                                                |                        |                        |                        |     |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |       |                                                                                                                                                                                |                        |                        |                        |     |
| MOUNTING:                                                                                                                                                                         |       | Rigid wall mounted using (4) 1/4" Grade 5 bolts.                                                                                                                               |                        |                        |                        |     |
| CONSTRUCTION:                                                                                                                                                                     |       | NEMA 1 carbon steel enclosure                                                                                                                                                  |                        |                        |                        |     |
| SUBCOMPONENTS:                                                                                                                                                                    |       | SENS - heat sink (209313), United Chemi-Con - capacitor (501140), SENS - chokes/inductor (602236), SENS - transformer (600Q33T), Square D - circuit breakers (702532 & 702472) |                        |                        |                        |     |
| TESTING NOTES:                                                                                                                                                                    |       | N/A                                                                                                                                                                            |                        |                        |                        |     |



#### UUT 5

|                                                                                                                                                                                   |       |                                                                                              |                        |                        |                        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|-----|
| MANUFACTURER:                                                                                                                                                                     |       |                                                                                              | STORED ENERGY SYSTEMS  |                        |                        |     |
| MODEL NUMBER:                                                                                                                                                                     |       |                                                                                              | NRG22-20-RCLSE         |                        |                        |     |
| UNIT FUNCTION:                                                                                                                                                                    |       |                                                                                              | BATTERY CHARGER        |                        |                        |     |
| SERIAL NUMBER:                                                                                                                                                                    |       |                                                                                              | 259580                 |                        |                        |     |
| DIMENSIONS (in)                                                                                                                                                                   |       |                                                                                              | WEIGHT<br>(lb)         | RES. FREQ. (Hz)        |                        |     |
| DEPTH                                                                                                                                                                             | WIDTH | HEIGHT                                                                                       |                        | F-B                    | S-S                    | V   |
| 6.8                                                                                                                                                                               | 14.0  | 13.1                                                                                         | 40                     | N/A                    | N/A                    | N/A |
| BUILDING CODE                                                                                                                                                                     |       | TEST CRITERIA                                                                                |                        | LAB REPORT NO.         |                        |     |
| 2016 CBC                                                                                                                                                                          |       | ICC-ES AC156                                                                                 |                        | CLARK EL8492           |                        |     |
| S <sub>DS</sub> (g)                                                                                                                                                               | z/h   | A <sub>FLX-H</sub> (g)                                                                       | A <sub>RIG-H</sub> (g) | A <sub>FLX-V</sub> (g) | A <sub>RIG-V</sub> (g) |     |
| 2.0                                                                                                                                                                               | 1     | 3.2                                                                                          | 2.4                    | 1.68                   | 0.68                   |     |
| 2.5                                                                                                                                                                               | 0     |                                                                                              |                        |                        |                        |     |
| IMPORTANCE FACTOR, I <sub>p</sub> = 1.5                                                                                                                                           |       |                                                                                              |                        |                        |                        |     |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |       |                                                                                              |                        |                        |                        |     |
| MOUNTING:                                                                                                                                                                         |       | Rigid wall mounted using (4) 1/4" Grade 5 bolts.                                             |                        |                        |                        |     |
| CONSTRUCTION:                                                                                                                                                                     |       | NEMA 1 aluminum enclosure                                                                    |                        |                        |                        |     |
| SUBCOMPONENTS:                                                                                                                                                                    |       | SENS - chokes/inductor (602300), SENS - transformer (600902R), SENS - circuit board (206720) |                        |                        |                        |     |
| TESTING NOTES:                                                                                                                                                                    |       | N/A                                                                                          |                        |                        |                        |     |



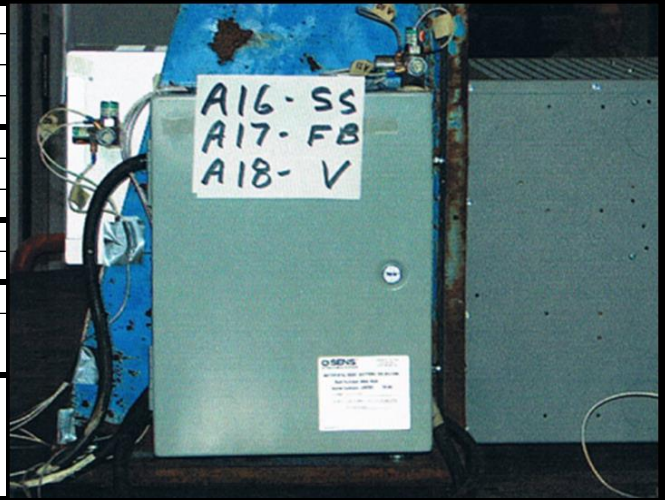
### ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

### SEISMIC COMPLIANCE REPORT

#### UUT 6

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                                                                   |              |                                                  |                              |                              |                              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------|------------------------------|------------------------------|------------------------------|----------|
| <b>MANUFACTURER:</b>                                                                                                                                                              |              |                                                  | STORED ENERGY SYSTEMS        |                              |                              |          |
| <b>MODEL NUMBER:</b>                                                                                                                                                              |              |                                                  | BBS-1600E                    |                              |                              |          |
| <b>UNIT FUNCTION:</b>                                                                                                                                                             |              |                                                  | BATTERY SELECTOR             |                              |                              |          |
| <b>SERIAL NUMBER:</b>                                                                                                                                                             |              |                                                  | 259760                       |                              |                              |          |
| <b>DIMENSIONS (in)</b>                                                                                                                                                            |              |                                                  | <b>WEIGHT<br/>(lb)</b>       | <b>RES. FREQ. (Hz)</b>       |                              |          |
| <b>DEPTH</b>                                                                                                                                                                      | <b>WIDTH</b> | <b>HEIGHT</b>                                    |                              | <b>F-B</b>                   | <b>S-S</b>                   | <b>V</b> |
| 8.6                                                                                                                                                                               | 12.3         | 16.3                                             | 30                           | N/A                          | N/A                          | N/A      |
| <b>BUILDING CODE</b>                                                                                                                                                              |              | <b>TEST CRITERIA</b>                             |                              | <b>LAB REPORT NO.</b>        |                              |          |
| 2016 CBC                                                                                                                                                                          |              | ICC-ES AC156                                     |                              | CLARK EL8492                 |                              |          |
| <b>S<sub>DS</sub> (g)</b>                                                                                                                                                         | <b>z/h</b>   | <b>A<sub>FLX-H</sub> (g)</b>                     | <b>A<sub>RIG-H</sub> (g)</b> | <b>A<sub>FLX-V</sub> (g)</b> | <b>A<sub>RIG-V</sub> (g)</b> |          |
| 2.0                                                                                                                                                                               | 1            | 3.2                                              | 2.4                          | 1.68                         | 0.68                         |          |
| 2.5                                                                                                                                                                               | 0            |                                                  |                              |                              |                              |          |
| <b>IMPORTANCE FACTOR, I<sub>p</sub> = 1.5</b>                                                                                                                                     |              |                                                  |                              |                              |                              |          |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |              |                                                  |                              |                              |                              |          |
| <b>MOUNTING:</b>                                                                                                                                                                  |              | Rigid wall mounted using (4) 1/4" Grade 5 bolts. |                              |                              |                              |          |
| <b>CONSTRUCTION:</b>                                                                                                                                                              |              | NEMA 1 carbon steel enclosure                    |                              |                              |                              |          |
| <b>SUBCOMPONENTS:</b>                                                                                                                                                             |              | C&H Technology - heat sink (300603), ILSCO - ter |                              |                              |                              |          |
| <b>TESTING NOTES:</b>                                                                                                                                                             |              | N/A                                              |                              |                              |                              |          |



#### UUT 7

|                                                                                                                                                                                   |       |                                                             |                        |                        |                        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------|------------------------|------------------------|------------------------|-----|
| MANUFACTURER:                                                                                                                                                                     |       |                                                             | STORED ENERGY SYSTEMS  |                        |                        |     |
| MODEL NUMBER:                                                                                                                                                                     |       |                                                             | NRG22-10-RCE           |                        |                        |     |
| UNIT FUNCTION:                                                                                                                                                                    |       |                                                             | BATTERY CHARGER        |                        |                        |     |
| SERIAL NUMBER:                                                                                                                                                                    |       |                                                             | 259561                 |                        |                        |     |
| DIMENSIONS (in)                                                                                                                                                                   |       |                                                             | WEIGHT<br>(lb)         | RES. FREQ. (Hz)        |                        |     |
| DEPTH                                                                                                                                                                             | WIDTH | HEIGHT                                                      |                        | F-B                    | S-S                    | V   |
| 6.5                                                                                                                                                                               | 7.7   | 12.5                                                        | 21                     | N/A                    | N/A                    | N/A |
| BUILDING CODE                                                                                                                                                                     |       | TEST CRITERIA                                               |                        | LAB REPORT NO.         |                        |     |
| 2016 CBC                                                                                                                                                                          |       | ICC-ES AC156                                                |                        | CLARK EL8492           |                        |     |
| S <sub>DS</sub> (g)                                                                                                                                                               | z/h   | A <sub>FLX-H</sub> (g)                                      | A <sub>RIG-H</sub> (g) | A <sub>FLX-V</sub> (g) | A <sub>RIG-V</sub> (g) |     |
| 2.0                                                                                                                                                                               | 1     | 3.2                                                         | 2.4                    | 1.68                   | 0.68                   |     |
| 2.5                                                                                                                                                                               | 0     |                                                             |                        |                        |                        |     |
| IMPORTANCE FACTOR, I <sub>p</sub> = 1.5                                                                                                                                           |       |                                                             |                        |                        |                        |     |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |       |                                                             |                        |                        |                        |     |
| MOUNTING:                                                                                                                                                                         |       | Rigid wall mounted using (4) 1/4" Grade 5 bolts.            |                        |                        |                        |     |
| CONSTRUCTION:                                                                                                                                                                     |       | NEMA 1 aluminum enclosure                                   |                        |                        |                        |     |
| SUBCOMPONENTS:                                                                                                                                                                    |       | SENS - transformer (600600R), SENS - circuit board (206121) |                        |                        |                        |     |
| TESTING NOTES:                                                                                                                                                                    |       | N/A                                                         |                        |                        |                        |     |





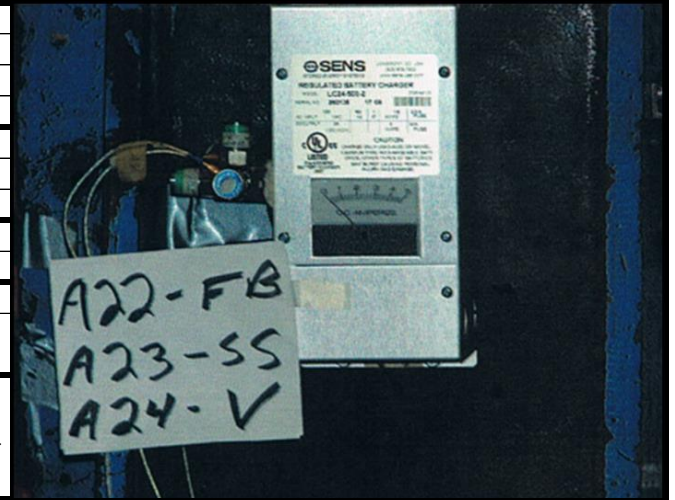
## ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

## SEISMIC COMPLIANCE REPORT

### UUT 8

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                                                                   |              |                              |                                                   |                              |                              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------|---------------------------------------------------|------------------------------|------------------------------|----------|
| <b>MANUFACTURER:</b>                                                                                                                                                              |              |                              | STORED ENERGY SYSTEMS                             |                              |                              |          |
| <b>MODEL NUMBER:</b>                                                                                                                                                              |              |                              | LC24-500-2                                        |                              |                              |          |
| <b>UNIT FUNCTION:</b>                                                                                                                                                             |              |                              | BATTERY CHARGER                                   |                              |                              |          |
| <b>SERIAL NUMBER:</b>                                                                                                                                                             |              |                              | 260135                                            |                              |                              |          |
| <b>DIMENSIONS (in)</b>                                                                                                                                                            |              |                              | <b>WEIGHT<br/>(lb)</b>                            | <b>RES. FREQ. (Hz)</b>       |                              |          |
| <b>DEPTH</b>                                                                                                                                                                      | <b>WIDTH</b> | <b>HEIGHT</b>                |                                                   | <b>F-B</b>                   | <b>S-S</b>                   | <b>V</b> |
| 4.5                                                                                                                                                                               | 5.2          | 11.3                         | 6                                                 | N/A                          | N/A                          | N/A      |
| <b>BUILDING CODE</b>                                                                                                                                                              |              |                              | <b>TEST CRITERIA</b>                              |                              | <b>LAB REPORT NO.</b>        |          |
| 2016 CBC                                                                                                                                                                          |              |                              | ICC-ES AC156                                      |                              | CLARK EL8492                 |          |
| <b>S<sub>DS</sub> (g)</b>                                                                                                                                                         | <b>z/h</b>   | <b>A<sub>FLX-H</sub> (g)</b> | <b>A<sub>RIG-H</sub> (g)</b>                      | <b>A<sub>FLX-V</sub> (g)</b> | <b>A<sub>RIG-V</sub> (g)</b> |          |
| 2.0                                                                                                                                                                               | 1            | 3.2                          | 2.4                                               | 1.68                         | 0.68                         |          |
| 2.5                                                                                                                                                                               | 0            |                              |                                                   |                              |                              |          |
| <b>IMPORTANCE FACTOR, I<sub>p</sub> = 1.5</b>                                                                                                                                     |              |                              |                                                   |                              |                              |          |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |              |                              |                                                   |                              |                              |          |
| <b>MOUNTING:</b>                                                                                                                                                                  |              |                              | Rigid wall mounted using (4) 1/4" Grade 5 bolts.  |                              |                              |          |
| <b>CONSTRUCTION:</b>                                                                                                                                                              |              |                              | NEMA 1 aluminum enclosure                         |                              |                              |          |
| <b>SUBCOMPONENTS:</b>                                                                                                                                                             |              |                              | Intermag Limited Co. - transformer (600539), SENS |                              |                              |          |
| <b>TESTING NOTES:</b>                                                                                                                                                             |              |                              | N/A                                               |                              |                              |          |



### UUT 9

|                                                                                                                                                                                   |       |                                                   |                        |                        |                        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------------|------------------------|------------------------|------------------------|-----|
| MANUFACTURER:                                                                                                                                                                     |       |                                                   | STORED ENERGY SYSTEMS  |                        |                        |     |
| MODEL NUMBER:                                                                                                                                                                     |       |                                                   | Q1200508L574NE         |                        |                        |     |
| UNIT FUNCTION:                                                                                                                                                                    |       |                                                   | BATTERY CHARGER        |                        |                        |     |
| SERIAL NUMBER:                                                                                                                                                                    |       |                                                   | 359444                 |                        |                        |     |
| DIMENSIONS (in)                                                                                                                                                                   |       |                                                   | WEIGHT<br>(lb)         | RES. FREQ. (Hz)        |                        |     |
| DEPTH                                                                                                                                                                             | WIDTH | HEIGHT                                            |                        | F-B                    | S-S                    | V   |
| 16.1                                                                                                                                                                              | 23.6  | 27.8                                              | 341                    | N/A                    | N/A                    | N/A |
| BUILDING CODE                                                                                                                                                                     |       | TEST CRITERIA                                     |                        | LAB REPORT NO.         |                        |     |
| 2016 CBC                                                                                                                                                                          |       | ICC-ES AC156                                      |                        | ATS D212825            |                        |     |
| S <sub>DS</sub> (g)                                                                                                                                                               | z/h   | A <sub>FLX-H</sub> (g)                            | A <sub>RIG-H</sub> (g) | A <sub>FLX-V</sub> (g) | A <sub>RIG-V</sub> (g) |     |
| 2.0                                                                                                                                                                               | 1     | 3.2                                               | 2.4                    | 1.68                   | 0.68                   |     |
| 2.5                                                                                                                                                                               | 0     |                                                   |                        |                        |                        |     |
| IMPORTANCE FACTOR, I <sub>p</sub> = 1.5                                                                                                                                           |       |                                                   |                        |                        |                        |     |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |       |                                                   |                        |                        |                        |     |
| MOUNTING:                                                                                                                                                                         |       | Rigid wall mounted using (8) 1/4" Grade 8 bolts.  |                        |                        |                        |     |
| CONSTRUCTION:                                                                                                                                                                     |       | NEMA 1 carbon steel enclosure                     |                        |                        |                        |     |
| SUBCOMPONENTS:                                                                                                                                                                    |       | Eaton Cutler-Hammer - circuit breaker (702368), V |                        |                        |                        |     |
| TESTING NOTES:                                                                                                                                                                    |       | N/A                                               |                        |                        |                        |     |



### ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

### SEISMIC COMPLIANCE REPORT

#### UUT 10

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                                                                   |       |                                                  |                        |                        |                        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------|------------------------|------------------------|------------------------|-----|
| MANUFACTURER:                                                                                                                                                                     |       |                                                  | STORED ENERGY SYSTEMS  |                        |                        |     |
| MODEL NUMBER:                                                                                                                                                                     |       |                                                  | Q0240068L511AE         |                        |                        |     |
| UNIT FUNCTION:                                                                                                                                                                    |       |                                                  | BATTERY CHARGER        |                        |                        |     |
| SERIAL NUMBER:                                                                                                                                                                    |       |                                                  | 359494                 |                        |                        |     |
| DIMENSIONS (in)                                                                                                                                                                   |       |                                                  | WEIGHT<br>(lb)         | RES. FREQ. (Hz)        |                        |     |
| DEPTH                                                                                                                                                                             | WIDTH | HEIGHT                                           |                        | F-B                    | S-S                    | V   |
| 13.0                                                                                                                                                                              | 19.4  | 17.6                                             | 63                     | N/A                    | N/A                    | N/A |
| BUILDING CODE                                                                                                                                                                     |       | TEST CRITERIA                                    |                        | LAB REPORT NO.         |                        |     |
| 2016 CBC                                                                                                                                                                          |       | ICC-ES AC156                                     |                        | ATS D212825            |                        |     |
| S <sub>DS</sub> (g)                                                                                                                                                               | z/h   | A <sub>FLX-H</sub> (g)                           | A <sub>RIG-H</sub> (g) | A <sub>FLX-V</sub> (g) | A <sub>RIG-V</sub> (g) |     |
| 2.0                                                                                                                                                                               | 1     | 3.2                                              | 2.4                    | 1.68                   | 0.68                   |     |
| 2.5                                                                                                                                                                               | 0     |                                                  |                        |                        |                        |     |
| IMPORTANCE FACTOR, I <sub>p</sub> = 1.5                                                                                                                                           |       |                                                  |                        |                        |                        |     |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |       |                                                  |                        |                        |                        |     |
| MOUNTING:                                                                                                                                                                         |       | Rigid wall mounted using (4) 1/4" Grade 8 bolts. |                        |                        |                        |     |
| CONSTRUCTION:                                                                                                                                                                     |       | NEMA 1 carbon steel enclosure                    |                        |                        |                        |     |
| SUBCOMPONENTS:                                                                                                                                                                    |       | United Chemi-Con - capacitor (501129), Square D  |                        |                        |                        |     |
| TESTING NOTES:                                                                                                                                                                    |       | N/A                                              |                        |                        |                        |     |



#### UUT 11

|                                                                                                                                                                                   |       |                                                  |                        |                        |                        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------|------------------------|------------------------|------------------------|-----|
| MANUFACTURER:                                                                                                                                                                     |       |                                                  | STORED ENERGY SYSTEMS  |                        |                        |     |
| MODEL NUMBER:                                                                                                                                                                     |       |                                                  | Q240012TL534BE         |                        |                        |     |
| UNIT FUNCTION:                                                                                                                                                                    |       |                                                  | BATTERY CHARGER        |                        |                        |     |
| SERIAL NUMBER:                                                                                                                                                                    |       |                                                  | 359457                 |                        |                        |     |
| DIMENSIONS (in)                                                                                                                                                                   |       |                                                  | WEIGHT<br>(lb)         | RES. FREQ. (Hz)        |                        |     |
| DEPTH                                                                                                                                                                             | WIDTH | HEIGHT                                           |                        | F-B                    | S-S                    | V   |
| 13.0                                                                                                                                                                              | 19.4  | 17.6                                             | 186                    | N/A                    | N/A                    | N/A |
| BUILDING CODE                                                                                                                                                                     |       | TEST CRITERIA                                    |                        | LAB REPORT NO.         |                        |     |
| 2016 CBC                                                                                                                                                                          |       | ICC-ES AC156                                     |                        | ATS D212825            |                        |     |
| S <sub>DS</sub> (g)                                                                                                                                                               | z/h   | A <sub>FLX-H</sub> (g)                           | A <sub>RIG-H</sub> (g) | A <sub>FLX-V</sub> (g) | A <sub>RIG-V</sub> (g) |     |
| 2.0                                                                                                                                                                               | 1     | 3.2                                              | 2.4                    | 1.68                   | 0.68                   |     |
| 2.5                                                                                                                                                                               | 0     |                                                  |                        |                        |                        |     |
| IMPORTANCE FACTOR, I <sub>p</sub> = 1.5                                                                                                                                           |       |                                                  |                        |                        |                        |     |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |       |                                                  |                        |                        |                        |     |
| MOUNTING:                                                                                                                                                                         |       | Rigid wall mounted using (4) 1/4" Grade 8 bolts. |                        |                        |                        |     |
| CONSTRUCTION:                                                                                                                                                                     |       | NEMA 1 carbon steel enclosure                    |                        |                        |                        |     |
| SUBCOMPONENTS:                                                                                                                                                                    |       | Vishay - capacitor (501151), Eaton Cutler-Hammer |                        |                        |                        |     |
| TESTING NOTES:                                                                                                                                                                    |       | N/A                                              |                        |                        |                        |     |



### ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

### SEISMIC COMPLIANCE REPORT

#### UUT 12

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                                                                   |              |                              |                                                  |                              |                              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------|--------------------------------------------------|------------------------------|------------------------------|----------|
| <b>MANUFACTURER:</b>                                                                                                                                                              |              |                              | STORED ENERGY SYSTEMS                            |                              |                              |          |
| <b>MODEL NUMBER:</b>                                                                                                                                                              |              |                              | Q024150SL511CE                                   |                              |                              |          |
| <b>UNIT FUNCTION:</b>                                                                                                                                                             |              |                              | BATTERY CHARGER                                  |                              |                              |          |
| <b>SERIAL NUMBER:</b>                                                                                                                                                             |              |                              | 359496                                           |                              |                              |          |
| <b>DIMENSIONS (in)</b>                                                                                                                                                            |              |                              | <b>WEIGHT<br/>(lb)</b>                           | <b>RES. FREQ. (Hz)</b>       |                              |          |
| <b>DEPTH</b>                                                                                                                                                                      | <b>WIDTH</b> | <b>HEIGHT</b>                |                                                  | <b>F-B</b>                   | <b>S-S</b>                   | <b>V</b> |
| 16.1                                                                                                                                                                              | 23.6         | 27.8                         | 256                                              | N/A                          | N/A                          | N/A      |
| <b>BUILDING CODE</b>                                                                                                                                                              |              |                              | <b>TEST CRITERIA</b>                             |                              | <b>LAB REPORT NO.</b>        |          |
| 2016 CBC                                                                                                                                                                          |              |                              | ICC-ES AC156                                     |                              | ATS D212825                  |          |
| <b>S<sub>DS</sub> (g)</b>                                                                                                                                                         | <b>z/h</b>   | <b>A<sub>FLX-H</sub> (g)</b> | <b>A<sub>RIG-H</sub> (g)</b>                     | <b>A<sub>FLX-V</sub> (g)</b> | <b>A<sub>RIG-V</sub> (g)</b> |          |
| 2.0                                                                                                                                                                               | 1            | 3.2                          | 2.4                                              | 1.68                         | 0.68                         |          |
| 2.5                                                                                                                                                                               | 0            |                              |                                                  |                              |                              |          |
| <b>IMPORTANCE FACTOR, I<sub>p</sub> = 1.5</b>                                                                                                                                     |              |                              |                                                  |                              |                              |          |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |              |                              |                                                  |                              |                              |          |
| <b>MOUNTING:</b>                                                                                                                                                                  |              |                              | Rigid wall mounted using (8) 1/4" Grade 8 bolts. |                              |                              |          |
| <b>CONSTRUCTION:</b>                                                                                                                                                              |              |                              | NEMA 1 carbon steel enclosure                    |                              |                              |          |
| <b>SUBCOMPONENTS:</b>                                                                                                                                                             |              |                              | SENS - heat sink (209318), United Chemi-Con - ca |                              |                              |          |
| <b>TESTING NOTES:</b>                                                                                                                                                             |              |                              | N/A                                              |                              |                              |          |



#### UUT 13

|                                                                                                                                                                                   |       |                                                  |                        |                        |                        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------|------------------------|------------------------|------------------------|-----|
| MANUFACTURER:                                                                                                                                                                     |       |                                                  | STORED ENERGY SYSTEMS  |                        |                        |     |
| MODEL NUMBER:                                                                                                                                                                     |       |                                                  | Q1200504G511CE         |                        |                        |     |
| UNIT FUNCTION:                                                                                                                                                                    |       |                                                  | BATTERY CHARGER        |                        |                        |     |
| SERIAL NUMBER:                                                                                                                                                                    |       |                                                  | 359497                 |                        |                        |     |
| DIMENSIONS (in)                                                                                                                                                                   |       |                                                  | WEIGHT<br>(lb)         | RES. FREQ. (Hz)        |                        |     |
| DEPTH                                                                                                                                                                             | WIDTH | HEIGHT                                           |                        | F-B                    | S-S                    | V   |
| 16.1                                                                                                                                                                              | 23.6  | 27.8                                             | 336                    | N/A                    | N/A                    | N/A |
| BUILDING CODE                                                                                                                                                                     |       | TEST CRITERIA                                    |                        | LAB REPORT NO.         |                        |     |
| 2016 CBC                                                                                                                                                                          |       | ICC-ES AC156                                     |                        | ATS D212825            |                        |     |
| S <sub>DS</sub> (g)                                                                                                                                                               | z/h   | A <sub>FLX-H</sub> (g)                           | A <sub>RIG-H</sub> (g) | A <sub>FLX-V</sub> (g) | A <sub>RIG-V</sub> (g) |     |
| 2.0                                                                                                                                                                               | 1     | 3.2                                              | 2.4                    | 1.68                   | 0.68                   |     |
| 2.5                                                                                                                                                                               | 0     |                                                  |                        |                        |                        |     |
| IMPORTANCE FACTOR, I <sub>p</sub> = 1.5                                                                                                                                           |       |                                                  |                        |                        |                        |     |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |       |                                                  |                        |                        |                        |     |
| MOUNTING:                                                                                                                                                                         |       | Rigid wall mounted using (8) 1/4" Grade 8 bolts. |                        |                        |                        |     |
| CONSTRUCTION:                                                                                                                                                                     |       | NEMA 1 carbon steel enclosure                    |                        |                        |                        |     |
| SUBCOMPONENTS:                                                                                                                                                                    |       | SENS - transformer (600Q354)                     |                        |                        |                        |     |
| TESTING NOTES:                                                                                                                                                                    |       | N/A                                              |                        |                        |                        |     |





## ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

## SEISMIC COMPLIANCE REPORT

### UUT 16

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                                                                   |       |                                                      |                        |                        |                        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------|------------------------|------------------------|------------------------|-----|
| MANUFACTURER:                                                                                                                                                                     |       |                                                      | STORED ENERGY SYSTEMS  |                        |                        |     |
| MODEL NUMBER:                                                                                                                                                                     |       |                                                      | LC24-500-2             |                        |                        |     |
| UNIT FUNCTION:                                                                                                                                                                    |       |                                                      | BATTERY CHARGER        |                        |                        |     |
| SERIAL NUMBER:                                                                                                                                                                    |       |                                                      | 359714                 |                        |                        |     |
| DIMENSIONS (in)                                                                                                                                                                   |       |                                                      | WEIGHT                 | RES. FREQ. (Hz)        |                        |     |
| DEPTH                                                                                                                                                                             | WIDTH | HEIGHT                                               | (lb)                   | F-B                    | S-S                    | V   |
| 4.5                                                                                                                                                                               | 5.2   | 11.3                                                 | 6                      | N/A                    | N/A                    | N/A |
| BUILDING CODE                                                                                                                                                                     |       | TEST CRITERIA                                        |                        | LAB REPORT NO.         |                        |     |
| 2016 CBC                                                                                                                                                                          |       | ICC-ES AC156                                         |                        | ATS D212825            |                        |     |
| S <sub>DS</sub> (g)                                                                                                                                                               | z/h   | A <sub>FLX-H</sub> (g)                               | A <sub>RIG-H</sub> (g) | A <sub>FLX-V</sub> (g) | A <sub>RIG-V</sub> (g) |     |
| 2.0                                                                                                                                                                               | 1     | 3.2                                                  | 2.4                    | 1.68                   | 0.68                   |     |
| 2.5                                                                                                                                                                               | 0     |                                                      |                        |                        |                        |     |
| IMPORTANCE FACTOR, I <sub>p</sub> = 1.5                                                                                                                                           |       |                                                      |                        |                        |                        |     |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |       |                                                      |                        |                        |                        |     |
| MOUNTING:                                                                                                                                                                         |       | Isolated wall mounted (rigid mounted to isolated fix |                        |                        |                        |     |
| CONSTRUCTION:                                                                                                                                                                     |       | NEMA 1 aluminum enclosure                            |                        |                        |                        |     |
| SUBCOMPONENTS:                                                                                                                                                                    |       | Intermag Limited Co. - transformer (600539), SENS    |                        |                        |                        |     |
| TESTING NOTES:                                                                                                                                                                    |       | Originally named UUT 1B in test report.              |                        |                        |                        |     |



### UUT 17

|                                                                                                                                                                                   |              |                                                      |                              |                              |                              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------|------------------------------|------------------------------|------------------------------|----------|
| <b>MANUFACTURER:</b>                                                                                                                                                              |              |                                                      | STORED ENERGY SYSTEMS        |                              |                              |          |
| <b>MODEL NUMBER:</b>                                                                                                                                                              |              |                                                      | NRG22-10-RCE                 |                              |                              |          |
| <b>UNIT FUNCTION:</b>                                                                                                                                                             |              |                                                      | BATTERY CHARGER              |                              |                              |          |
| <b>SERIAL NUMBER:</b>                                                                                                                                                             |              |                                                      | 359714                       |                              |                              |          |
| <b>DIMENSIONS (in)</b>                                                                                                                                                            |              |                                                      | <b>WEIGHT<br/>(lb)</b>       | <b>RES. FREQ. (Hz)</b>       |                              |          |
| <b>DEPTH</b>                                                                                                                                                                      | <b>WIDTH</b> | <b>HEIGHT</b>                                        |                              | <b>F-B</b>                   | <b>S-S</b>                   | <b>V</b> |
| 6.5                                                                                                                                                                               | 7.7          | 12.5                                                 | 22                           | N/A                          | N/A                          | N/A      |
| <b>BUILDING CODE</b>                                                                                                                                                              |              | <b>TEST CRITERIA</b>                                 |                              | <b>LAB REPORT NO.</b>        |                              |          |
| 2016 CBC                                                                                                                                                                          |              | ICC-ES AC156                                         |                              | ATS D212825                  |                              |          |
| <b>S<sub>DS</sub> (g)</b>                                                                                                                                                         | <b>z/h</b>   | <b>A<sub>FLX-H</sub> (g)</b>                         | <b>A<sub>RIG-H</sub> (g)</b> | <b>A<sub>FLX-V</sub> (g)</b> | <b>A<sub>RIG-V</sub> (g)</b> |          |
| 2.0                                                                                                                                                                               | 1            | 3.2                                                  | 2.4                          | 1.68                         | 0.68                         |          |
| 2.5                                                                                                                                                                               | 0            |                                                      |                              |                              |                              |          |
| <b>IMPORTANCE FACTOR, I<sub>p</sub> = 1.5</b>                                                                                                                                     |              |                                                      |                              |                              |                              |          |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |              |                                                      |                              |                              |                              |          |
| <b>MOUNTING:</b>                                                                                                                                                                  |              | Isolated wall mounted (rigid mounted to isolated fix |                              |                              |                              |          |
| <b>CONSTRUCTION:</b>                                                                                                                                                              |              | NEMA 1 aluminum enclosure                            |                              |                              |                              |          |
| <b>SUBCOMPONENTS:</b>                                                                                                                                                             |              | SENS - transformer (600600R), SENS - circuit boa     |                              |                              |                              |          |
| <b>TESTING NOTES:</b>                                                                                                                                                             |              | Originally named UUT 3B in test report.              |                              |                              |                              |          |



### ATTACHMENT 2: UNIT UNDER TEST SUMMARIES

### SEISMIC COMPLIANCE REPORT

#### UUT 18

DOCUMENT NO.: 17015CR1.0

|                                                                                                                                                                                   |              |                                                      |                              |                              |                              |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------|------------------------------|------------------------------|------------------------------|----------|
| <b>MANUFACTURER:</b>                                                                                                                                                              |              |                                                      | STORED ENERGY SYSTEMS        |                              |                              |          |
| <b>MODEL NUMBER:</b>                                                                                                                                                              |              |                                                      | NRG22-20-RCLSE               |                              |                              |          |
| <b>UNIT FUNCTION:</b>                                                                                                                                                             |              |                                                      | BATTERY CHARGER              |                              |                              |          |
| <b>SERIAL NUMBER:</b>                                                                                                                                                             |              |                                                      | 359745                       |                              |                              |          |
| <b>DIMENSIONS (in)</b>                                                                                                                                                            |              |                                                      | <b>WEIGHT<br/>(lb)</b>       | <b>RES. FREQ. (Hz)</b>       |                              |          |
| <b>DEPTH</b>                                                                                                                                                                      | <b>WIDTH</b> | <b>HEIGHT</b>                                        |                              | <b>F-B</b>                   | <b>S-S</b>                   | <b>V</b> |
| 6.8                                                                                                                                                                               | 14.0         | 13.1                                                 | 42                           | N/A                          | N/A                          | N/A      |
| <b>BUILDING CODE</b>                                                                                                                                                              |              | <b>TEST CRITERIA</b>                                 |                              | <b>LAB REPORT NO.</b>        |                              |          |
| 2016 CBC                                                                                                                                                                          |              | ICC-ES AC156                                         |                              | ATS D212825                  |                              |          |
| <b>S<sub>DS</sub> (g)</b>                                                                                                                                                         | <b>z/h</b>   | <b>A<sub>FLX-H</sub> (g)</b>                         | <b>A<sub>RIG-H</sub> (g)</b> | <b>A<sub>FLX-V</sub> (g)</b> | <b>A<sub>RIG-V</sub> (g)</b> |          |
| 2.0                                                                                                                                                                               | 1            | 3.2                                                  | 2.4                          | 1.68                         | 0.68                         |          |
| 2.5                                                                                                                                                                               | 0            |                                                      |                              |                              |                              |          |
| <b>IMPORTANCE FACTOR, I<sub>p</sub> = 1.5</b>                                                                                                                                     |              |                                                      |                              |                              |                              |          |
| Unit was full of operating content during the shake table test. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. |              |                                                      |                              |                              |                              |          |
| <b>MOUNTING:</b>                                                                                                                                                                  |              | Isolated wall mounted (rigid mounted to isolated fix |                              |                              |                              |          |
| <b>CONSTRUCTION:</b>                                                                                                                                                              |              | NEMA 1 aluminum enclosure                            |                              |                              |                              |          |
| <b>SUBCOMPONENTS:</b>                                                                                                                                                             |              | SENS - chokes/inductor (602300), SENS - transfor     |                              |                              |                              |          |
| <b>TESTING NOTES:</b>                                                                                                                                                             |              | Originally named UUT 4B in test report.              |                              |                              |                              |          |

