APPLICATION FOR OSHPD SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP) APPLICATION #: OSP - 0606									
OSHPD Special Seismic Certification Preapproval (OSP)									
Гуре: ⊠ New ☐ Renewal									
Manufacturer Information									
Manufacturer: Schneider Electric									
Manufacturer's Technical Representative: Weili Cheng									
Mailing Address: 4F, Building 9, No. 3000, LongDong Avenue, Pudong New District, Shanghai, China									
Telephone: +86 21-6159 8614									
Product Information									
Product Name: Galaxy VS-Bravo OSAPD									
Product Type: UPS with Modular Battery Cabinets and Maintenance Bypass Panel									
Product Model Number: See Ce <mark>rtified Product Listing Tables (List all unique product identification numbers and/or part numbers) nammad Aliaari</mark>									
General Description: Electrical UPS, Battery cabinets, and maintenance bypass panels constructed of sheet metal enclosures. Seismic enhancement made to the test unit and modifications required to address anomalies observed during the tests shall be incorporated into the production units.									
Mounting Description: Base mounted rigid & Wall mounted rigid									
Applicant Information									
Applicant Company Name:TRU Compliance, by Structural Integrity Associates, Inc.									
Contact Person: Galen Reid									
Mailing Address: 5215 Hellyer Ave., Suite 210, San Jose, CA 95138									
Telephone: (844) 878-0200 Email: greid@structint.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: Date:									
Title: Senior Engineer Company Name: TRU Compliance, by Structural Integrity Associates, Inc.									

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



10/08/2020 OSP-0606 Page 1 of 39

STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Page 2 of 3

California Licen	sed Structural Engineer Responsible for the Engineering and Test Report(s)							
Company Name:	TRU Compliance, by Structural Integrity Associates, Inc.							
Name: Andrew M	M. Coughlin SE California License Number: S6082							
Mailing Address:	Mailing Address:5215 Hellyer Ave., Suite 210, San Jose, CA 95138							
Telephone:	(844) 878-0200 Email:acoughlin@structint.com							
Supports and A	ttachments Preapproval							
(Separate appl	attachments are preapproved under OPM- ication for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)							
⊠ Supports and	I attachments are not preapproved							
Certification Me	thod OSHPD							
☐ Testing in acc☐ Other (Please	cordance with: ICC-ES AC156p-0606 Specify):							
	BY: Mohammad Aliaari							
Testing Laborat	DATE: 10/08/2020							
Company Name:	National Technical Systems - Huntsville							
Contact Name:	Greg Mason							
Mailing Address:	7800 Highway 20 West, Huntsville, AL 35806							
Telephone:	(256) 837-4411 Email: <u>Greg.Mason@nts.com</u>							
Company Name:	Central Power Research Institute (CPRI)							
Contact Name:	R Panneer Selvam							
Mailing Address:	Sadashivanagar Post Office, P.B.No. 8066, Bangalore – 560 080, India							
Telephone:	+91 80-2207 2487 Email: <u>dgcpri@cpri.in</u>							







OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY OSH-FD-759 (REV 12/16/15)

Page 2 of 3

Seismic Parameters
Design in accordance with ASCE 7-10 Chapter 13: ⊠ Yes ☐ No
Design Basis of Equipment or Components $(F_p/W_p) = 1.00 (S_{DS} = 1.33g, z/h = 1.0); 0.72 (S_{DS} = 1.60g, z/h = 0.0)$
S_{DS} (Design spectral response acceleration at short period, g) = 1.33 (z/h = 1.0); 1.60 (z/h = 0.0)
a _p (In-structure equipment or component amplification factor) =2.5
R _p (Equipment or component response modification factor) =6.0
Ω_0 (System overstrength factor) = 2.0
I _p (Importance factor) = 1.5
z/h (Height factor ratio) = 1.0 (S _{DS} = 1.33g); 0.0 (S _{DS} = 1.60g)
Equipment or Component Natural Frequencies (Hz) = See Attachment
Overall dimensions and weight (or range thereof) = See Attachment
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) =
Ω_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
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025
Signature: Date: October 08, 2020
Print Name: Mohammad Aliaari Title: Senior Structural Engineer
Special Seismic Certification Valid Up to : S _{DS} (g) = See Above z/h = See Above
Condition of Approval (if applicable):

-M//M/W





1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

TABLE 1.1

Certified Product Construction Summary:

1.5mm carbon steel frame and 1mm carbon steel panels.

Certified Options Summary:

See tables 3 and 4 for a full listing of available subcomponents.

Mounting Configuration:

Base Mounted - Rigid (Standalone)

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019

Seismic Certification Limits:

 $S_{DS} = 1.33 g$ z/h=1.0 $S_{DS} = 1.60 g$ z/h=0.0

	/ 4/ / / /				• DS	<u> </u>		
Model Line	Made	Dimensions (in)			Weight	Notes		
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT	
	GVSUP <mark>S10KF</mark> S	R33.3\/(h 20.5m	ad58.5aa	485	1 Power Module	Interp.	
	GVSUP <mark>S15KF</mark> S	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS <mark>20KF</mark> S	33.3	20.5	58.5	485	1 Power Module	Interp.	
Galaxy VS UPS (208V)	GVSUPS25KFS	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS30KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS40KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS50KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS20KGS	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS30KGS	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS40KGS	33.3	20.5	58.5	485	1 Power Module	Interp.	
Galaxy VS UPS (480V)	GVSUPS50KGS	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS60KGS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS80KGS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS100KGS	33.3	20.5	58.5	551	2 Power Modules, 100kW 480V	12	
Galaxy VS Bravo UPS (Narrow)	GVSUPS20KB2D	34	13	59	816	10kW 208V, UUT: 20kW 480V 2 String Battery Modules	1	
Galaxy VS Bravo UPS	GVSUPS20KB4D	33	21	58	1512	10KW 208V; 20KW 480V; 4 String Battery Modules	Interp.	
(Wide)	GVSUPS50KB4D	33	21	58	1437	15-25KW 208V;30-50KW 480V; 4 String Battery Modules	Interp.	
Galaxy VS Bravo UPS	GVSUPS20KB5D	33	22	78	2134	10KW 208V; 20KW 480V; 5 String Battery Modules	Interp.	
(Tall)	GVSUPS50KB5D	33	22	78	2238	15-25KW 208V; 30-50KW 480V; 5 String Battery Modules	Interp.	



1801223-CR-001 R2

Manufacturer:	Schneider Electric	TABLE 1.1
Madallina	ColonyVC	IMDLE T'T

Certified Product Construction Summary:

1.5mm carbon steel frame and 1mm carbon steel panels.

Certified Options Summary:

See tables 3 and 4 for a full listing of available subcomponents.

Mounting Configuration:

Base Mounted - Rigid (Standalone)

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019

Seismic Certification Limits:

S_{DS}= 1.33 g z/h=1.0 S_{DS}= 1.60 g z/h=0.0

Mardal I to a		Dimensions (in)			Weight			
Model Line	Mod <mark>el</mark>	Depth	Width	Height	(lb)	Notes	UUT	
Calava VS Praya LIDS	GVSUPS <mark>60KB</mark> 5D	BY33 Mo	ha <u>m</u> m	ad Aliaa	ri ₂₁₉₃	30KW 208V; 60KW 480V; 5 String Battery Modules	Interp.	
Galaxy VS Bravo UPS (Tall)	GVSUPS100KB5D	DATE:	10/08/	2020	2238	40-50KW 208V; 80-100KW 480V 5 String Battery Modules (UUT: 100kW 480V)	6	
Galaxy VS Bravo	GVSMODBC6	33	21	58	1763	1.5M, 6 battery strings, circuit breaker, branch circuit fuse	4	
Modular Battery Cabinet (ModBC)	GVSMODBC9	33'4	B ₁₂ ² L ₁	11/48) C	2865	2.0M, 9 battery strings, circuit breaker, branch circuit fuse	8	



1801223-CR-001 R2

Manufacturer: Schneider Electric

TABLE 1.2

Certified Product Construction Summary:

1.5mm carbon steel frame and 1mm carbon steel panels.

Galaxy VS

Certified Options Summary:

Model Line:

See tables 3 and 4 for a full listing of available subcomponents.

Mounting Configuration:

Base Mounted - Rigid (Ganged)

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019

Seismic Certification Limits:

 $S_{DS} = 1.33 g z/h = 1.0$

Sps= 1.60 g z/h=0.0

Madallina	Made	Dimensions (in)			Weight	Notes		
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT	
	GVSUP <mark>S10KF</mark> S	R33.3\/	1 20.5m	ad 58.5	485	1 Power Module	Interp.	
Galaxy VS UPS (208V)	GVSUP <mark>S15KF</mark> S	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS <mark>20KF</mark> S	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS25KFS	33.3	20.5	58.5	485	1 Power Module, 25kW	14	
	GVSUPS30KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS40KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS50KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS20KGS	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS30KGS	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS40KGS	33.3	20.5	58.5	485	1 Power Module	Interp.	
Galaxy VS UPS (480V)	GVSUPS50KGS	33.3	20.5	58.5	485	1 Power Module	Interp.	
	GVSUPS60KGS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS80KGS	33.3	20.5	58.5	551	2 Power Modules	Interp.	
	GVSUPS100KGS	33.3	20.5	58.5	551	2 Power Modules, 100kW	11,13,15	
Galaxy VS Bravo UPS (Narrow)	GVSUPS20KB2D	34	13	59	816	10kW 208V, 20kW 480V 2 String Battery Modules	Interp.	
Galaxy VS Bravo UPS	GVSUPS20KB4D	33	21	58	1512	10KW 208V; 20KW 480V; 4 String Battery Modules UUT: 20kW 480V	2	
(Wide)	GVSUPS50KB4D	33	21	58	1437	15-25KW 208V;30-50KW 480V; 4 String Battery Modules UUT: 50kW 480V	16	



1801223-CR-001 R2

Manufacturer: Schneider Electric

TABLE 1.2 Model Line: Galaxy VS

Certified Product Construction Summary:

1.5mm carbon steel frame and 1mm carbon steel panels.

Certified Options Summary:

See tables 3 and 4 for a full listing of available subcomponents.

Mounting Configuration:

Base Mounted - Rigid (Ganged)

Note: Installed mounting configuration must be of similar configuration and equivalent strength and stiffness to those tested.

Building Code: CBC 2019

Seismic Certification Limits:

 $S_{DS} = 1.33 g z/h = 1.0$ Sps= 1.60 g z/h=0.0

Galaxy VS Bravo UPS	10-1			0.0.0			
Galaxy VS Bravo UPS	Model	Dimensions (in)		(in)) 6	Weight	Makes .	
Galaxy VS Bravo UPS	Model	Depth	Width	Height	(lb)	Notes	UUT
Galaxy VS Bravo UPS	GVSUPS <mark>20KB5</mark> D	BY33 Mo	ha <u>m</u> ma	ad Aliaa	ari ₂₁₃₄	10KW 208V; 20KW 480V; 5 String Battery Modules	Interp.
-	GVSUPS50KB5D	D/33E:	10228/	20780	2238	15-25KW 208V; 30-50KW 480V; 5 String Battery Modules	Interp.
3	GVSUPS60KB5D	33	22	78	2193	30KW 208V; 60KW 480V; 5 String Battery Modules	Interp.
	GVSUPS100KB5G	33/4	BUILT	78 C	2238	40-50KW 208V; 80-100KW 480V 5 String Battery Modules (UUT: 100kW 480V)	7
Galaxy VS Bravo Modular Battery	GVSMODBC6	33	21	58	1763	1.5M, 6 battery strings, circuit breaker, branch circuit fuse	2
Cabinet (ModBC)	GVSMODBC9	33	22	78	2865	2.0M, 9 battery strings, circuit breaker, branch circuit fuse	7
Maintenance Dunas	GVSBPSU80G	33.3	11.8	58.5	243	208V: 10-40kW, 480V: 20-80kW	Extrap.
Maintenance Bypass Cabinet (MBC)	GVSBPSU150G	33.3	11.8	58.5	265.0	50-75kW 208V; 100-150kW 480V UUT: 150kW 480V	11
MDC with house	GVSBPIT25	33.3	23.6	58.5	771	25kW, 480V/600V IN	14
MBC with Input Transformer	GVSBPIT25B	33.3	23.6	58.5	869	25kW, 480V/600V IN	Interp.
Transionnei -	GVSBPIT50	33.3	23.6	58.5	1102	50kW, 480V/600V IN	Interp.
MDC with Output	GVSBPOT50	33.3	23.6	58.5	1102	50kW, 480V IN	Interp.
MBC with Output Transformer ——	GVSBPOT50B	33.3	23.6	58.5	1109	50kW, 480V IN	16
Hansionner	GVSBPOT100	33.3	23.6	58.5	1367	100kW, 480V IN	13,15



Schneider Electric						TADIE	1
Galaxy VS						IADLE	. 4
struction Summary:							
closure.							
mary:							
	subcompo	nents.					
		2.01					
on:	EC	RCU	DECO	4			
ficuration must be of similar					+a +baca tost	لدہ	
figuration must be of similar	Configuratio	n and equiva	iteni strengu				
19	Seismic (Certification	on Limits:			/ ₀ =	1.5
18	Dir	mensions	(in))6				
Model	Depth	Width	Height	(lb)		Notes	UUT
GVSBPSU60G-WP	BY ₉ Mo	oha <u>m</u> m	ad Aliaa	ri ₆₂			9
	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX						
GVSBPSU1 <mark>00G-</mark> WP	DATE:	10398/	20330	192			10
\c\				/3	00110.100		
7				10			
	OA			OK. /			
	TVIA		LIG C	0			
		BAILL	JINO				
							-
							-
							-
	Galaxy VS struction Summary: closure. mary: full listing of available and available	Galaxy VS Struction Summary: closure. mary: full listing of available subcompo	Galaxy VS Struction Summary: closure. mary: full listing of available subcomponents. figuration must be of similar configuration and equivalent of the subcomponents of the subcomponents. Seismic Certification of the subcomponents of the	Galaxy VS Struction Summary: Closure. mary: full listing of available subcomponents. figuration must be of similar configuration and equivalent strength Seismic Certification Limits: Model Dimensions (in) Depth Width Height GVSBPSU60G-WP BY9 Moha24 mad 26 iac	Galaxy VS Struction Summary: closure. mary: full listing of available subcomponents. Dimensions (in) GVSBPSU60G-WP BY9 Model GVSBPSU60G-WP BY9 Model GVSBPSU60G-WP BY9 Model GVSBPSU60G-WP GVSBPSU60G-WP BY9 Model GVSBPSU60G-WP GV	Galaxy VS Struction Summary: closure. Smary: full listing of available subcomponents. Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equivalent strength and stiffness to those test Signaturation must be of similar configuration and equi	Galaxy VS Struction Summary: closure. Struction Summary: full listing of available subcomponents. Solution: Seismic Certification Limits: Solution: Model Dimensions (in) Dimensions (in) Weight Depth Width Depth Width Depth Width Depth Dimensions (in) Solution: Soluti

Schneider TRU COMPLIANCE

1801223-CR-001 R2

Manufacturer: Schneider Electric Table Description: Electrical Components

Model Line: Galaxy VS

TABLE 3

Building Code: CBC 2019 Seismic Certification Limits: $S_{DS} = 1.33 \text{ g} \quad z/h = 1.0$ $S_{DS} = 1.33 \text{ g} \quad z/h = 0.0$ $S_{DS} = 1.60 \text{ g} \quad z/h = 0.0$

			$S_{DS} = 1.60 g z/h = 0.0$		
Component Type	Manufacturer	Model	OR CODE Description	Notes	UUT
		BJF46125	MCCB 125A 600VAC 4P B Frame		9
		JDF3 <mark>6150</mark>	MCCB 150A 500VDC 3P		4
		JGF3 <mark>7150D</mark> 81	MCCB 150A 500VDC 3P		interp.
		HJF36150CU31X	MCCB 150A 600VAC 3P H Frame		9,14,16
Circuit Breakers	Square D	JDF36250	MCCB 250A 500VDC 3P		8,11,13, 15,16
		JGF37250D82	MCCB 250A 500VDC 3P		Interp.
		JJF <mark>36250</mark> CU31X	MCCB 250A 600VAC 3P J Frame		10,16
		LJF46250CU31X	MCCB 250A 600VAC 4P L Frame MIC3.3		10
		LJF36400CU31X	MCCB 400A 600VAC 3P L FRAME 65KA		11
	Schneider Electric	0N-9 <mark>6782</mark>	Assy. PSU-Connection Box		1,2,6,7, 11-16
Power Supply Units		0N-96783	Controller Box G		1,2,6,7, 11-16
		0N-96968	Battery Cartridge, 9Ah BRAVO		16
I/O Assembly	Schneider Electric	ON-96740	I/O Assembly, Bravo, 50kVA		16
		0G-PM20KD	Assy. Generic Power Module 20KW AGILIS		1,2,6
Power Module	Schneider Electric	0G-PM50KD	Assy. Generic Power Module 50KW AGILIS		7,11-16
		0G-PM50KD2	Assy. Generic Power Module 50KW AGILIS		Interp.
		451-1167-Z	Contactor TESYS 32A AC-3 3P 24V DC		1,2,6
Contactor	Schneider Flectric	451-1240	Contactor 91A 24VDC 3 Poles Busbar ROHS		2
Contactor	Schneider Electric	LC1D65A6BDS304	Contactor 91A 24VDC 3 Poles		6,7,11-15
		LC1F150BD	Contactor 3P AC3-150A,440VAC Coil 24VDC		7, 11-15

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Schneider TRU COMPLIANCE

1801223-CR-001 R2

Manufacturer:Schneider ElectricTable Description: Electrical ComponentsTABLE 3Model Line:Galaxy VS

Building Code: CBC 2019 Seismic Certification Limits: $S_{DS} = 1.33 \text{ g} \quad z/h = 1.0$ $S_{DS} = 1.60 \text{ g} \quad z/h = 0.0$

		3 ps - 1.00 g 2/H - 0.0							
Component Type	Manufacturer	Model	RCODEDescription	Notes	UUT				
		540-9254	TESYS Vario Switch 40A 690V		1				
Conitales	Calara da a Ela atria	540- <mark>9256</mark>	Disconnector Switch 80A 690V		2,6				
Switches	Schneider Electric –	540-9253	Disconnector Switch 175A 690V		7				
		LV431629	SWITCH-DISCONNECTOR COMPACT NSX250NA	-	11-15				
		0 <mark>G-SBS</mark> 20KD	SBS20KVA Module AGILIS		1				
Static Bypass Switch	Schneider Electric	0G-SBS50KD RV. N	SBS50KVA Module AGILIS		2,16				
		0 <mark>G-SBS</mark> 100KD	SBS100KVA Module AGILIS		6,7,11-15				
	Bussman	515-1069-Z	Fuse Fast 63A 690VAC		4, 8				
Fuses	Mersen	A330188	FUS 315A AR SCW 100X48X20		11-15				
		AJT150EI	Fuse AJT150A 500VDC		4				
		N330039	Fuse Fast 160A 500VDC/690VAC		1				
		TME00470	Fuse 200A AR Blade-mount 48X38.5MM		2,6				
Fuses	Mersen	AJT300EI	Fuse AJT300A 500VDC		8				
		TME00373	Mains 1 Fuse 315A AR SCW DIN80,000		7				
		TME00333	Bypass Fuse 400A AR SCW DIN80,000		7				
	B.B.	BP7-12	7Ah battery		1,2,6,7				
		GP1272	7Ah battery		1,2,4,6,7,8				
	CCD	HRL1234WF2	9Ah battery		1,2,4,6,7,8				
D. H. dan	CSB	HR1234WF2	9Ah battery		1,2,4,6,7,8				
Batteries		XTV 1285	9Ah battery	Same as HR1234WF2	Interp.				
	Panasonic	UP-PW1245P1	9Ah battery		1,2,4,6,7,8				
	Vicion	CP1270	7Ah battery		1,2,4,6,7,8				
	Vision	CP1290 FR	9Ah battery		1,2,4,6,7,8				

Schneider TRU COMPLIANCE

Manufacturer: Model Line:	Schneider Electric Galaxy VS	,			TABLE 3
Building Code: CBC 2019		Seismic Certificati	Son Limits: $S_{DS} = 1.33 g$ $z/h = 1.0$ $S_{DS} = 1.60 g$ $z/h = 0.0$	I _P = 1.5	
Component Type	Manufacturer	Model	R CODE Description	Note	es UUT
Batteries	GS	PXL12090	9Ah battery		1,2,4,6,7,8
Control Board	Schneider Electric	0N-8 <mark>7771</mark>	Battery management control board		4,8
		GVSBTU	7Ah Modular battery cartridge w/63A Fuse		1,2,4,6,7,8
Battery Cartridge	Schneider Electric	GVSBTHU	9Ah Modular Battery cartridge w/63A Fuse		1,2,4,6,7,8
		G <mark>VSBT</mark> HULL	9Ah Modular Battery cartridge w/63A Fuse		1,2,4,6,7,8
		TP-0030-0542 pv. N	30kVA, 3-Phase, Cu windings, 430 lbs.		Extrap.
		TP-0030-0457	30kVA, 3-Phase, Cu windings, 489 lbs.		14
Transformers	Jinggquanhau — Electronics —	TP-0060-0547	60kVA, 3-Phase, Cu windings, 750 lbs.		16
	Electronics	TP-0060-0458	60kVA, 3-Phase, Cu windings, 805 lbs.		Interp.
		TP-0100-0459	100kVA, 3-Phase, Cu windings, 1157 lbs.		13,15
		100			
		TANI	Privile CO		
			POILDING		

Schneider TRU COMPLIANCE

Manufacturer: Model Line:									
Building Code: CBC 2	2019	Seismic Certificati	ion Limits: $S_{DS} = 1.33 g z/h = 1.0$ $S_{DS} = 1.60 g z/h = 0.0$	I _P = 1.5					
Component Type	Manufacturer	Model	RCODEDescription	Note	es UUT				
		GVSOPT017	Seismic Kit for Narrow UPS		1,11				
Seismic Kits	Schneider Electric	GVSOPT002	Seismic Kit for Wide UPS or Modular Battery Cabinet		2,4,11-16				
Seisiffic Kits	Schneider Electric	GVSOPT016	Seismic Kit for Tall UPS or Modular Battery Cabinet		6,7,8				
		GVSOPT008 RV. N	Seismic Kit for Transformer Cabinet		13-16				
Kirk Kov Kit	Schneider Electric	GVSOPT004	Kirk Key Kit for Maintenance Bypass		9,10,11				
Kirk Key Kit	Schneider Electric	GVSOPT007	Kirk Key Kit for Transformer Cabinet		13,15,16				
		GVSOPT015	Air Filter Kit for Narrow UPS		1				
Air Filter Kit	Schneider Electric	GVSOPT001	Air Filter Kit for Wide UPS		2				
		GVSOPT014	Air Filter Kit for Tall UPS		6,7				
NEMA 2 Hole Lug Kit	Schneider Electric	GVSOPT020	NEMA 2 Hole Busbar for Tall UPS		6,7				
Parallel Communications Kit	Schneider Electric	GVSOPT006	Parallel w/ 1+1 aux sw Kit		6,7				
Cable Kit	Schneider Electric	GVSOPT012, GVSOPT013	Cable kit for Maintenance Bypass Cabinet		16				



1801223-CR-001 R2

lanufact						
lodel Lin	ne: Galaxy VS		T	1	1	1
UUT	Unit Description	Report Number	Testing Laboratory	S _{DS}	z/h	I _P
1	Galaxy VS Bravo 20kW UPS (Narrow)	PR88708-01TR Rev.1 (UUT1, Run 9)	NTS - Huntsville	1.45 1.67	1.0 0.0	1.5
2	Galaxy VS Bravo - 20kW UPS (Wide) w/ 1.5M ModBC	PR88708-01TR Rev.1 (UUT 2, Run 9)	NTS - Huntsville	1.45 1.67	1.0 0.0	1.5
4	1.5M ModBC (Wide)	PR88708-01TR Rev.1 (UUT4, Run 12)	NTS - Huntsville	1.50 1.64	1.0 0.0	1.5
6	Galaxy VS Bravo 100kW UPS (Tall)	PR88708-01TR Rev.1 (UUT 6a, Run 18))	NTS - Huntsville	1.54 1.69	1.0 0.0	1.5
7	Galaxy VS Bravo - 100kW UPS (Tall) w/ 2.0M ModBC	PR88708-01TR Rev.1 (UUT7, Run 16)	NTS - Huntsville	1.43 1.66	1.0 0.0	1.5
8	2.0M ModBC (Tall)	PR88708-01TR Rev.1 (UUT8, Run 17)	NTS - Huntsville	1.63 1.64	1.0 0.0	1.5
9	Maintenance Bypass <mark>Pane</mark> l 20KW, Wall mount <mark>ed</mark>	PR88708-01TR Rev.1	NTS - Huntsville	1.33 1.63	1.0 0.0	1.5
10	Maintenance Bypass <mark>Pane</mark> l 100KW, Wall mounted	PR88708-01TR Rev.1 (UUT10, Run 5)	NTS - H <mark>untsv</mark> ille	1.33 1.63	1.0 0.0	1.5
11	Galaxy VS 100kW UPS with 150kW MBC	PR079655-TR-18 Rev.1 (UUT1, Run 4)	NTS - Huntsville	1.45 2.00	1.0 0.0	1.5
12	Galaxy VS 100kW UPS	PR079655-TR-18 Rev.1 (UUT2a, Run 8)	NTS - Huntsville	1.45 2.00	1.0 0.0	1.5
13	Galaxy VS 100kW UPS w/100kW MBC & output transformer	PR079655-TR-18 Rev.1 (UUT3, Run 17)	NTS - Huntsville	1.45 2.00	1.0 0.0	1.5
14	Galaxy VS 25kW UPS w/25kW MBC	PR079655-TR-18 (UUT4, Run 13)	NTS - Huntsville	1.45 2.00	1.0 0.0	1.5
15	Galaxy VS 100kW UPS w/100kW MBC	PR087029-01TR Rev. 1 (UUT1, Run 4)	NTS - Huntsville	1.45 2.00	1.0 0.0	1.5
16	Galaxy VS Bravo 50kW UPS w/50kW MBC	CPRIBLREVRC19T0113	Central Power Research Institute (CPRI)	1.45 1.60	1.0 0.0	1.5
						

Notes:

Schneider TRU COMPLIANCE

UUT 1

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS20KB2D Serial Number: N/A

Product Construction Summary:

Galaxy VS Bravo 20kW UPS (Narrow)

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Module (PN: 0G-PM20KD), Contactor (PN: 451-1167-Z), Module Agilis (PN: 0G-SBS20KD), PSU-Connection Box (PN: 0N-96783), Fuse Fast (PN: N330039), Control Box (PN: 0N-96783), Vario Switch (PN: 540-9254), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: Bp7-12), Air Filter Kit (PN: GVSOPT015)

			UUT P	roperties		7							
Weight		Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSH	eight 06	Front-Back Side-Side				Vertical				
816	34	59	18.0		7.0		32.5						
		UUT Highes	st Passed .	Seismic Run	Informa	ation			,				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CPC	2019	ICC-ES AC15	6 (201E) /	1,45	1.0				1.11	0.45			
СВС	2019	ICC-E3 ACIS	o-fsorp))	1.67	0.0	1.5	2.32	1.74	1.11	0.45			

Test Mounting Details:







The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT003). (6) M8 bolts and washers were used to mount the bracket to the UUT, and (4) M12 bolts were used to mount the UUT to the shake table.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



UUT 1

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS20KB2D Serial Number: N/A

Seismic Mounting Kit Details:

Part Number: GVSOPT003

Rear Bracket: mounted to UUT with (3) M8 bolts

Mounted to shake table with (2) M12 bolts

OSP-0606

BY: Mohammad Aliaari

Front Bracket: mounted to UUT with (3) M8 bolts

Mounted to shake table with (2) M12 bolts



UUT 2

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS20KB4D & GVSMODBC6 Serial Number: N/A

Product Construction Summary:

Galaxy VS Bravo - 20kW UPS (Wide) w/ 1.5M ModBC 1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Module (PN: 0G-PM20KD), Contactor (PN: 451-1167-Z), Contactor (451-1240), Module Agilis (PN: 0G-SBS50KD), PSU-Connection Box (PN: 0N-96783), Fuse Fast (PN: N330039), Control Box (PN: 0N-96783), Vario Switch (PN: 540-9254), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: Bp7-12)

			UUT Pr	operties		TI							
Weight		Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSHe	ight006	Front	t-Back	Side	-Side	. Vertic				
3276	33	42		58	14.0		9.5		3.5				
		UUT Highe:	st Passed S	eismic Rur	Inform	ation							
Buildi	ing Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CPC	C 2019	ICC-ES AC15	6/201ED/0	0 /1,45	1.0	1 5	2.32	1.74	1.11	0.45			
CBC	C 2013	ICC-ES ACIS	o/sorp))\(1.67	0.0	1.5	2.32	1.74	1,11	0.45			

Test Mounting Details:







The UUT was rigid-base mounted using (2) customer provided seismic kits (PN: GVSOPT002). (16) M8 bolts and washers were used to mount the brackets to the UUT, and (15) M12 bolts were used to mount the UUT to the shake table.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.



1801223-CR-001 R2

Manufacturer: Schneider Electric UUT 2 Model Line: Galaxy VS Model Number: GVSUPS20KB4D & GVSMODBC6 Serial Number: N/A Seismic Mounting Kit Details: Part Number: GVSOPT002 (2 pcs) Rear Bracket: mounted to UUT with (8) M8 bolts BY: Mohammad Aliaari Front Bracket: mounted to UUT with (8) M8 bolts Rear Bracket: mounted to shake table with (7) M12 bolts Rear Plates: Bolts together rear latches with (4) M8 bolts Rear Bracket: mounted to shake table with (8) M12 bolts



UUT 4

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSMODBC6 **Serial Number:** N/A

Product Construction Summary:

1.5M ModBC (Wide)

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Fast Fuse (PN: 515-1069-Z), MCCB (PN: JDF36150), Battery Management Control Board (PN: 0N-87771), Fuse (PN: AJT150EI), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: BP7-12)

			UUT P	roperties		7							
Weight		Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSH	eight 06	Front-Back Side-Sid			-Side	de Vertical				
1763	33		58	14.0		9.5		32.5					
		UUT Highe.	st Passed S	Seismic Run	Inform	ation			,				
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CDC	2019	ICC-ES AC15	6 (201E) /	1,50	1.0	1.5	2.40	1.80	1.09	0.44			
CBC	, 2013	ICC-ES ACIS	o/sorb))\(1.64	0.0	1.5	2.40	1.80	1.09	0.44			

Test Mounting Details:



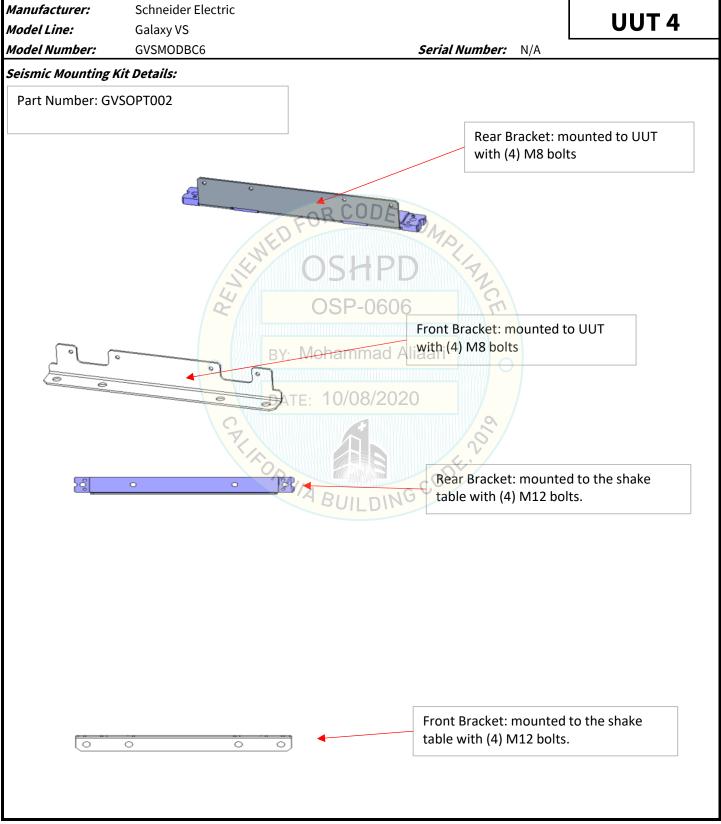




The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT002). (8) M8 bolts and washers were used to mount the bracket to the UUT, and (8) M12 bolts were used to mount the UUT to the shake table.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.







UUT 6

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS100KB5D Serial Number: N/A

Product Construction Summary:

Galaxy VS Bravo 100kW UPS (Tall)

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

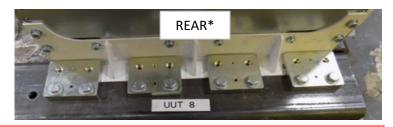
Power Module (PN: 0G-PM50KD), Contactor (PN: LC1D65A6BDS304), Contactor (PN: LC1F150BD), Module Agilis (PN: 0G-SBS100KD), Switch (PN: 540-9253), PSU-Connection Box (0N-96782), Main Fuse (PN: TME00373), Bypass Fuse (PN: TME00333), Controller Box (PN: 0N-96783), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: BP7-12)

			UUT P	roperties		7							
Weight		Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSH	eight 06	Front	t-Back	Side	-Side	Ver	tical			
2238	33	22		78	////////////////8	3.5	7	.5	26	5.0			
		UUT Highe.	st Passed S	Seismic Run	Inform	ation							
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CBC	2019	ICC-ES AC15	6 (201E) /	1,54	1.0	1.5	2.46	1.85	1.13	0.45			
СВС	, 2019	ICC-ES ACIS	offsorbD\	1.69	0.0	1.5	2.40	1.65	1.13	0.45			

Test Mounting Details:





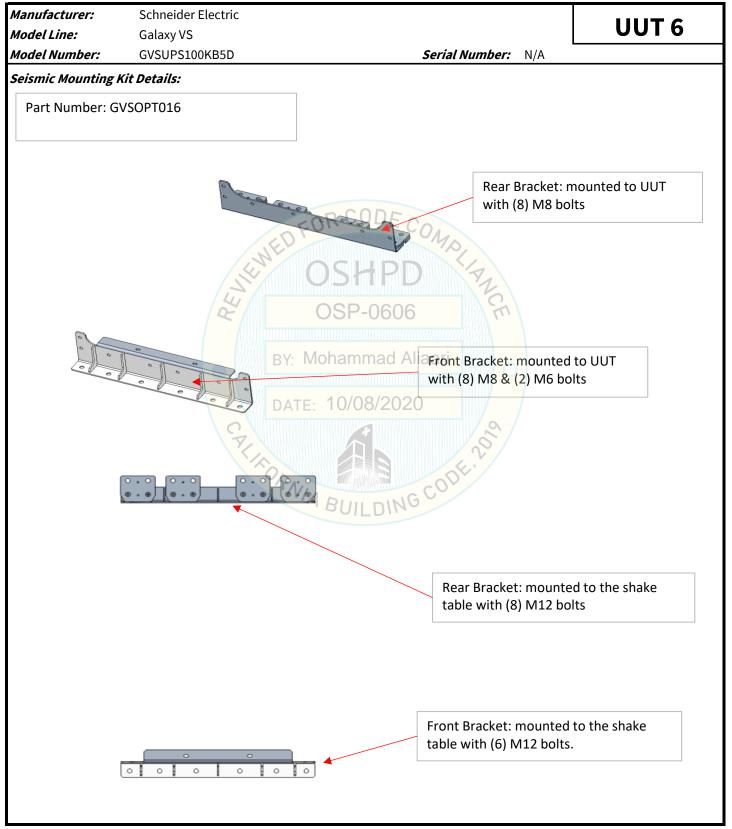


*Mounting brackets used with UUT8 required for installation

The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT016). (16) M8 bolts and (2) M6 bolts and washers were used to mount the DUT to the shake table.
Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test.
Contents were included in testing per operating conditions.

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UUT 7*

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS100KB5G & GVSMODBC9 Serial Number: N/A

Product Construction Summary:

Galaxy VS Bravo - 100kW UPS (Tall) w/ 2.0M ModBC; 1.5mm carbon steel frame and 1mm carbon steel panels. *UUT7 consisted of UUT6 + UUT8 joined together.

Options/Subcomponent Summary:

Power Module (PN: 0G-PM50KD), Contactor (PN: LC1D65A6BDS304), Contactor (PN: LC1F150BD), Module Agilis (PN: 0G-SBS100KD), Switch (PN: 540-9253), PSU-Connection Box (0N-96782), Main Fuse (PN: TME00373), Bypass Fuse (PN: TME00333), Controller Box (PN: 0N-96783), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: HR1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: UP-PW1245P1), BTU Battery (PN: PXL12090), BTU Battery (PN: BP7-12), Battery Management Control Board (PN: 0N-87771), Fast Fuse (PN: 515-1069-Z), MCCB (PN: JDF36250)

			UUT P	roperties		TI							
Weight		Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSH	eight 06	Fron	t-Back	Side	-Side	Ver	tical			
5103	33	44	44 78			3.5	7.5		26.0				
		UUT Highe:	st Passed S	Seismic Rur	Inform	ation							
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CPC	2019	ICC-ES AC15	6 (201E) /	1,43	1.0	1.5	2.28	1.72	1.11	0.44			
СВС	. 2019	ICC-E3 ACIS	o-fsorp)) (1.66	0.0	1.5	2.20	1.72	1.11	0.44			

Test Mounting Details:



Front Mounting Brackets





Rear Mounting Brackets





The UUT was rigid-base mounted using (2) customer provided seismic kits (PN:GVSOPT016). (30) M8 bolts and washers were used to mount the brackets to the UUT, and (28) M12 bolts were used to mount the UUT to the shake table. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



1801223-CR-001 R2

Manufacturer: Schneider Electric **UUT 7*** Model Line: Galaxy VS Model Number: GVSUPS100KB5G & GVSMODBC9 Serial Number: N/A Seismic Mounting Kit Details: Part Number: GVSOPT016 (2 pcs) Front Bracket: mounted to UUT with (14) M8 bolts Rear Bracket: mounted to UUT with (16) M8 bolts Rear Bracket: mounted to the shake table with (16) M12 bolts including 4pcs on connection bracket. Rear Plate: bolts together rear latches with (4) M8 bolts and (4) M12 bolts to fix bracket to shake table. Front Bracket: mounted to the shake table with (12) M12 bolts



UUT8

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSMODBC9 **Serial Number:** N/A

Product Construction Summary:

2.0M ModBC (Tall)

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

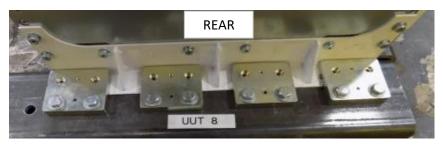
Fast Fuse (PN: 515-1069-Z), MCCB (PN: JDF36250), Battery Management Control Board (PN: 0N-87771), Fuse (PN: AJT300EI), BTU Battery (PN: HRL1234WF2), BTU Battery (PN: GP1272), BTU Battery (PN: CP1290 FR), BTU Battery (PN: CP1270), BTU Battery (PN: BP7-12)

			UUT Pr	operties		Z.				
Weight		Dimension (in	Lowest Natural Frequency (Hz)							
(lb)	Depth	OSHe	ight006	Front	-Back	Side-Side		Vertical		
2865		78	8.5		7.5		28.0			
		UUT Highes	st Passed S	eismic Run	Informa	ation				
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CPC	2019	ICC-ES AC15	CT201ED/O	0 /1,63	1.0		2.61	1.96	1.09	0.44
CBC	2019	ICC-ES ACIS	o-fántal) (1.64	0.0	1.5	2.01	1.90	1.09	0.44

Test Mounting Details:

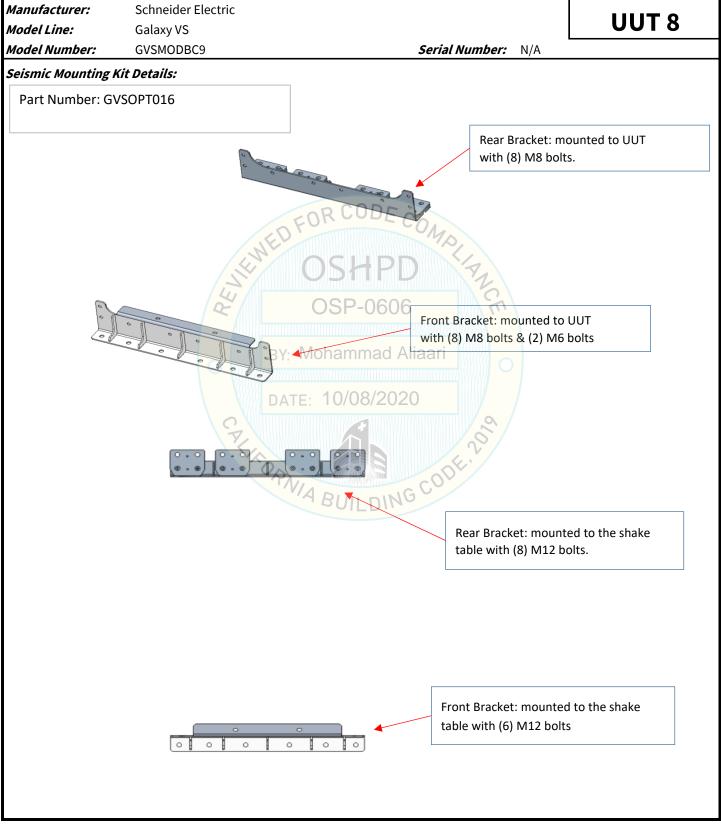






The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT016). (16) M8 bolts and (2) M6 and washers were used to mount the bracket to the UUT, and (14) M12 bolts were used to mount the UUT to the shake table. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.







UUT9

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSBPSU60G-WP Serial Number: N/A

Product Construction Summary:

Maintenance Bypass Panel 20KW, Wall mounted

1.5mm carbon steel enclosure

Options/Subcomponent Summary:

MCCB (PN: HUF36150CU31Z), MCCB (BJF46125), Kirk Key (PN:GVSOPT004)

			UUT Pr	operties		7							
Weight		Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	Width Steight Front-Back Side-Side Ve											
62	62 9 24				WWW.WWW.N	/A	N	/A	N	/A			
		UUT Highe.	st Passed S	eismic Rur	Inform	ation							
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CRC	2019	ICC-ES AC15	6/20150/0	0/1,33	1.0	1.5	2.13	1.60	1.07	0.44			
СВС	. 2019	ICC-ES ACIS	OTSOTDD\\	1.63	0.0	1,1.3	2.13	1.00	1.07	0.44			

Test Mounting Details:





The UUT was wall mounted rigid using four (4) M10 8.8 bolts.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

Schneider TRU COMPLIANCE

UUT 10

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSBPSU100G-WP Serial Number: N/A

Product Construction Summary:

Maintenance Bypass Panel 100KW, Wall mounted

1.5mm carbon steel enclosure

Options/Subcomponent Summary:

MCCB (PN: JJF36250CU31X), MCCB (PN: LIF46250CU31X), Kirk Key (PN:GVSOPT004)

			UUT Pr	operties		7						
Weight		Dimension (in)				Lowest Natural Frequency (Hz)						
(lb)	Depth	Width Steight 6 Front-Back Side-Side								tical		
192	192 11 39				MAMAMAMA N	/A	N	/A	N	/A		
		UUT Highe.	st Passed S	eismic Run	Informa	ation						
Buildi	ng Code	Test Crit	teria	S _{DS} (g)	z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CDC	CBC 2019	ICC-ES AC15	6 (201E) / ()	0/1,33	1.0	1.5	2.13	1.60	1.07	0.44		
СВС	. 2013	ICC-E3 ACIS	OZŚOTD)) (1.63	0.0	1,1.3	2.13	1.00	1.07	0.44		

Test Mounting Details:





TRU Compliance, by Structural Integrity Associates, Inc.

The UUT was wall mounted rigid using four (4) M10 8.8 bolts.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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UUT 11

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS100KGS w/GVSBPSU150G Serial Number: N/A

Product Construction Summary:

Galaxy VS 100kW UPS with 150kW MBC

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Modules (PN: 0G-PM50KD), Contactor (PN: LC1D65ABDS304, LC1F150BD), Circuit Breaker (PN: JDF36250, LJF36400CU31X), Power Supply (PN: 0N96782, 0N96783), Swithc (PN: LV431629), Fuse (PN: A330188), Static Bypass switch (PN: 0G-SBS100KD), Seismic kit (PN: GVSOPT002, GVSOPT003), Kirk Key Kit (PN: GVSOPT004)

			UUT PI	roperties		Z.								
Weight		Dimension (in)					Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSH	eight 06	Front-Back		Side-Side		Vertical					
816	33.3	32.3	5	8.5	//////////////////////////////////////	6.2	8	.0	>3	3.3				
		UUT Highes	st Passed S	eismic Run	Inform	ation			,					
Buildi	ng Code	Test Crit	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)				
CDC	2019	ICC-ES AC15	C (2010)/(1,45	1.0	1 5	2.32	1.74	1.33	0.53				
CBC	2019	ICC-ES ACTS	OTSOTON/	0/2024	0.0	/1.5	2.32	1.74	1.33	0.55				

Test Mounting Details:





TRU Compliance, by Structural Integrity Associates, Inc.

The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT002 and GVSOPT003). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



1801223-CR-001 R2

Manufacturer: Schneider Electric **UUT 11** Model Line: Galaxy VS Model Number: GVSUPS100KGS w/GVSBPSU150G Serial Number: N/A Seismic Mounting Kit Details: Part Numbers: GVSOPT002 and GVSOPT003 Rear Bracket: mounted to UUT with seven (7) M8 bolts Front Bracket: mounted to UUT with seven (7) M8 bolts Mohammad Aliaari Rear latches: mounted to the shake table with five (5) M10 bolts. Rear Plate: bolts together rear latches with four (4) M8 bolts Front Bracket: mounted to the shake table with six (6) M10 bolts.

Schneider TRU COMPLIANCE

UUT 12

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS100KGS Serial Number: N/A

Product Construction Summary:

Galaxy VS 100kW UPS

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Modules (PN: 0G-PN50KD), Contactor (PN: LC1D65A6BDS304, LC1F150BD), Circuit Breaker (PN: JJF36250CU31X, LJF36400CU31X), Power Supply (PN: 0N-96782, 0N-96783), Fuse (PN: A330188), Static Bypass switch (PN: 0G-SBS100KD), Seismic kit (PN: GVSOPT002)

					MINIMUM TO THE REAL PROPERTY.								
			UUT Pr	operties		7							
Weight		Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	ight 06	Front	-Back	Side	-Side	Vertical					
551	33.3	20.5	5	8.5	//////////////////////////////////////	5.9	6	.1	>3.	3.3			
		UUT Highes	t Passed S	eismic Run	Inform	ation							
Buildi	ing Code	Test Crite	eria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CP	C 2019	ICC-ES AC156	:/2010\/C	0 /1,45	1.0	1.5	2.32	1.74	1.33	0.53			
CBC	C 2019	ICC-ES ACISC	HŚOTOD/	2.00	0.0	1.5	2.32	1.74	1.33	0.53			

Test Mounting Details:

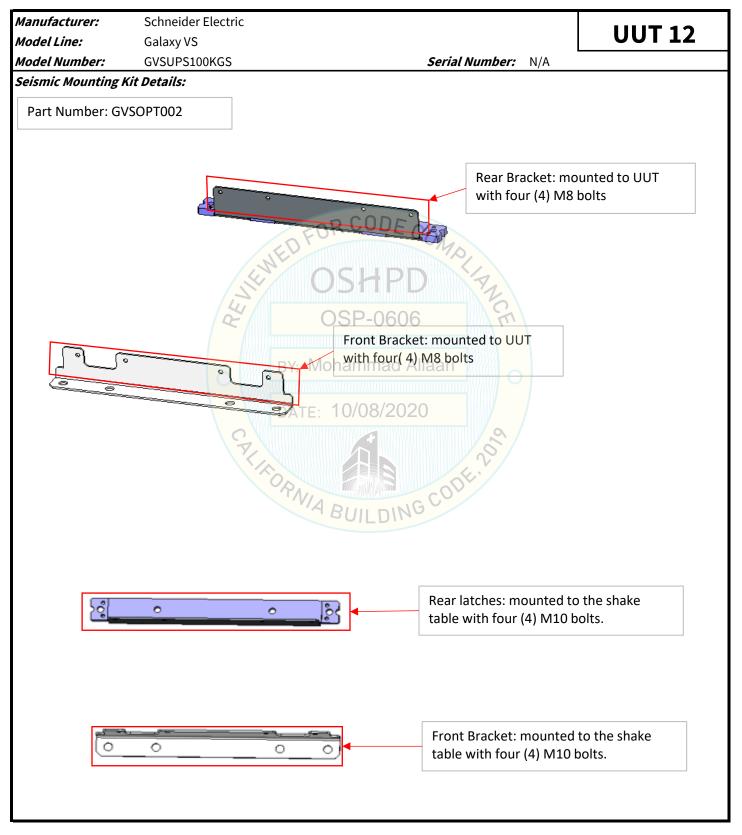




The UUT was rigid-base mounted using customer provided seismic kit (PN: GVSOPT002). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm.

Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.







UUT 13

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS100KGS w/GVSBPOT100 Serial Number: N/A

Product Construction Summary:

Galaxy VS 100kW UPS w/100kW MBC & output transformer 1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Modules (PN: 0G-PM50KD), Contactor (PN: LC1D65A6BDS304, LC1F150BD), Circuit Breaker (PN: JDF36250), Power Supply (PN: 0N-96782, 0N-96783), Fuse (PN: A330188), Static Bypass switch (PN: 0G-SBS100KD), Switch (PN: LV431629), Transformer (PN: TP-0100-0459), Seismic kit (GVSOPT002, GVSOPT008), Kirk Key Kit (PN: GVSOPT007)

			UUT F	Properties		7				
Weight		Dimension (in	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OSH	leight 06	Front-Back		Side-Side		Vertical	
1918	33.3	44.1	11111	58.5	14.7		9.7		18.2	
		UUT Highes	st Passed	Seismic Run	Inform	ation			,	
Building Code		Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019		ICC-ES AC156 (2018) / (08/2/02	1.0	1.5	2.32	1.74	1.33	0.53

Test Mounting Details:





The UUT was rigid-base mounted using customer provided seismic kit (GVSOPT002 and GVSOPT008). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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1801223-CR-001 R2

Manufacturer: Schneider Electric **UUT 13** Model Line: Galaxy VS Model Number: GVSUPS100KGS w/GVSBPOT100 Serial Number: N/A Seismic Mounting Kit Details: Part Numbers: GVSOPT002 and GVSOPT008 Rear Bracket: mounted to UUT with nine (9) M8 bolts Front Bracket: mounted to UUT with nine (9) M8 bolts BY: Mohammad Aliaari Rear latches: mounted to the shake table with seven (7) M10 bolts. Rear Plate: bolts together rear latches with four (4) M8 bolts Front Bracket: mounted to the shake table with eight (8) M10 bolts.



UUT 14

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS25KFS w/GVSBPIT25 Serial Number: N/A

Product Construction Summary:

Galaxy VS 25kW UPS w/25kW MBC

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Module (PN: 0G-PM50KD), Contactor (PN: LC1D65A6BDS304, LC1F150BD), Circuit Breaker (PN: JDF36250), Power Supply(PN: 0N-96782, 0N-96783), Fuse (PN: A330188), Switch (PN: LV431629), Static Bypass switch (0G-SBS100KD), Transformer (PN: TP-003-0457), Seismic kits (GVSOPT002, GVSOPT008)

			UUT P	roperties		7							
Weight		Dimension (in)	Lowest Natural Frequency (Hz)									
(lb)	Depth	Width	OSH	SHeight 606 Fro		Front-Back		Side-Side		Vertical			
1256	33.3	44.1		58.5	3.5 19.5		13.3		22.0				
		UUT Highes	st Passed S	Seismic Run	Inform	ation							
Buildi	Building Code		Test Criteria		z/h	I _P O	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)			
CBC 2019		ICC-ES AC156 (2018) / (1,45	1.0	1 -	2.32	1.74	1.33	0.53			
				2.00	0.0	1.5							

Test Mounting Details:





TRU Compliance, by Structural Integrity Associates, Inc.

The UUT was rigid-base mounted using customer provided seismic kit (GVSOPT002 and GVSOPT008). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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1801223-CR-001 R2

Manufacturer: Schneider Electric **UUT 14** Model Line: Galaxy VS Model Number: GVSUPS25KFS w/GVSBPIT25 Serial Number: N/A Seismic Mounting Kit Details: Part Numbers: GVSOPT002 and GVSOPT008 Rear Bracket: mounted to UUT with nine (9) M8 bolts Front Bracket: mounted to UUT with nine (9) M8 bolts BY: Mohammad Aliaari Rear latches: mounted to the shake table with seven (7) M10 bolts. Rear Plate: bolts together rear latches with four (4) M8 bolts Front Bracket: mounted to the shake table with eight (8) M10 bolts.



UUT 15

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS100KGS w/GVSBPOT100 Serial Number: N/A

Product Construction Summary:

Galaxy VS 100kW UPS w/100kW MBC

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Modules (PN: 0G-PM50KD), Contactor (PN: LC1D65A6BDS304, LC1F150BD), Circuit Breaker (PN: JDF35250), Power Supply (PN: 0N-96782, 0N-96783), Fuse (PN: A330188), Switch (PN: LV431629), Static Bypass switch (PN: 0G-SBS100KD), Transformer (PN: TP-0100-0459), Seismic kit (PN:GVSOPT002, GVSOPT008), Kirk Key Kit (PN: GVSOPT007)

			UUT	Properties		7				
Weight		Dimension (in	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	OS	leight 06	Front-Back		Side-Side		Vertical	
1918	33.3	44.1		58.5	12.8		8.6		19.4	
		UUT Highe:	st Passed	Seismic Run	Inform	ation				
Buildi	ng Code	Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2019		ICC EC AC1EC (2010)		1,45	1.0	1 -	2.32	1.74	1 22	0.53
CBC	, 2013	ICC-ES AC156 (2018)		2.00	0.0	1.5	2.32	1.74	1.33	0.53

Test Mounting Details:





The UUT was rigid-base mounted using customer provided seismic kit (GVSOPT002 and GVSOPT008). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

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1801223-CR-001 R2

Manufacturer: Schneider Electric **UUT 15** Model Line: Galaxy VS Model Number: GVSUPS100KGS w/GVSBPOT100 Serial Number: N/A Seismic Mounting Kit Details: Part Numbers: GVSOPT002 and GVSOPT008 Rear Bracket: mounted to UUT with nine (9) M8 bolts Front Bracket: mounted to UUT with nine (9) M8 bolts BY: Mohammad Aliaari Rear latches: mounted to the shake table with seven (7) M10 bolts. Rear Plate: bolts together rear latches with four (4) M8 bolts Front Bracket: mounted to the shake table with eight (8) M10 bolts.



UUT 16

1801223-CR-001 R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS50KB4D w/GVSBPOT50B Serial Number: QS1910121853/BD1913004116

Product Construction Summary:

Galaxy VS Bravo 50kW UPS w/50kW MBC

1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Module (PN: 0G-PM50KD), I/O Assembly (PN: ON-96740), Circuit Breaker (PN: HJF36150CU31X, JJF36250CU31X, JDF36250), Power Supply (PN: PN: 0N-96782, 0N-96968, 0N-96783), Static Bypass switch (PN: 0G-SBS50KD), Transformer (PN: TP-0060-0547), Seismic kit (PN: GVSOPT002, GVSOPT008), Kirk Key Kit (PN: GVSOPT007), Cable Kit (PN: GVSOPT012, GVSOPT013)

			UUT P	roperties		7						
Weight		Dimension (in)			Lowest Natural Frequency (Hz)							
(lb)	b) Depth Width SHeight 06		Front	-Back	Side	Side-Side		Vertical				
2546	33	44.1 58.5			11.3		9.2		24.1			
		UUT Highe.	st Passed .	Seismic Run	Inform	ation						
Building Code		Test Criteria		S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)		
CBC 2019		ICC-ES AC156 (2018) / (1,45	1.0	1.5	2.32	1.74	1.07	0.43		
				1.60	0.0	1.5	2.32					

Test Mounting Details:



The UUT was rigid-base mounted using customer provided seismic kit (GVSOPT002 and GVSOPT008). The seismic kit mounting details can be found on the following page. M8 bolts were torqued to 21 Nm. M10 bolts were torqued to 42 Nm. Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.



