

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0606

HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Schneider Electric	
Manufacturer's Technical Representative: Prasanna Thirukonda	
Mailing Address: Bommasandra Jigani Link Road, 4th Phase, Bommasandraw Industrial Area, Bangalore-562106	
Telephone: +91 99808 84273 Email: Prasanna.Thirukonda@se.com	
FORCODECO	
Product Information	
Product Name: UPS and Batteries	
Product Type: UPS	
Product Model Number: See Certified Product Listing Tables	
General Description: Electrical UPS, Battery cabinets, and maintenance bypass panels constructed of sheet metal enclosures.	
Mounting Description: Base mounted rigid & Wall mounted rigid	
Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.	
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	
Title: Director, TRU Compliance	

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

HCA



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.
Name: Andrew Coughlin California License Number: S6082
Mailing Address: 5215 Hellyer Ave, Suite 101, San Jose, CA 95138-1025
Telephone: (415) 635-8461 Email: acoughlin@structint.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE CO
Testing Laboratory
Company Name: CENTRAL POWER RESEARCH INSTITUTE (CPRI), EARTHQUAKE ENGINEERING AND VIBRATION RESEARCH CENTER
Contact Person: R. Panneer Selvam
Mailing Address: PB No. 8066, Sadashiva Nagar P.O, Prof. Sir C.V. Raman Rd., Bengaluru - 560 080, India
Telephone: +91 80-2207 2487 O BY: Memail: Mgcpri@cpri.in O
Company Name: NATIONAL TECHNICAL SYSTEMS (NTS) 4/22/2022
Contact Person: Greg Mason
Mailing Address: 7800 Highway 20 West, Huntsville AL 35806
Telephone: (256) 837-4411 Email: greg.mason@nts.com
BUILDING

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DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

Design Basis of Equipment or Components	(Fp/Wp) =	1.00 (SDS = 1.33g, z/	h = 1.0); 0.72	2 (SDS = 1.60g, z/h = 0.0)
SDS (Design spectral response accele	eration at shor	t period, g) = $1.33 (z/$	/h = 1.0); 1.60	0 (z/h = 0.0)
ap (Amplification factor) =	2.5			
Rp (Response modification factor) =	6.0			
Ω_0 (System overstrength factor) =	2.0			
lp (Importance factor) =	1.5			
z/h (Height ratio factor) =	1 and 0			
Natural frequencies (Hz) =	See Attachm	ient		
Overall dimensions and weight = HCAI Approval (For Office Use Only) -	See Attachm Approval E	- CON	28 7	
Date: 4/22/2022	C	SP-0606	I <u><u><u></u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	
Name: Mohammad Karim			Title:	Supervisor, Health Facilities
Special Seismic Certification Valid Up to: Sr	os (g) = See	Above	z/h =	See Above
Condition of Approval (if applicable):	DΔTF	04/22/2022	1	

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STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

HCA



2000495-CR-001-R2

Manufacturer:	Schneider Electric
Model Line:	Galaxy VS Bravo 2/Alpha 2

TABLE 1

Certified Product Construction Summary:

Carbon Steel frame and panels

All UPS models have identical internal components with either 1, 2, or 3 power modules.

Door latches adjusted to be snug tight.

Certified Options Summary:

UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.

Mounting Configuration:

Base mounted - rigid (Standalone)

FOR CODE COA

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

Building Code: CBC 201	Seismic Certification Limits:			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1.33 g z/h=1.0 1.60 g z/h=0.0	<i>I</i> _P = 1.5	
Model Line	Model	Dimensions (in) 06			Weight	Notes	UUT
Model Line	Model	Depth	Width	Height	(lb)	Notes	001
	GVSUP <mark>S10K</mark> FS	B33.3M	ol 20.5 n	a58.5	ri -485	1 P <mark>ower M</mark> odule	Interp.
	GVSUP <mark>S10KR</mark> FS	33.3	20.5	58.5	551	2 P <mark>ower M</mark> odules	Interp.
	GVSUP <mark>S15KF</mark> S	33.3	20.5	58,5	485	1 Power Module	Interp.
	GVSUPS15KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS20KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS20KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS25KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
Galaxy VS (208 V)	GVSUPS25KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
UPS	GVSUPS30KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS40KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS40KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS50KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS50KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS60KFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS75KFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS20KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS20KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
Galaxy VS (480V)	GVSUPS30KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
UPS	GVSUPS40KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS40KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS50KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS50KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.

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2000495-CR-001-R2

Manufacturer:	Schneider Electric
Model Line:	Galaxy VS Bravo 2/Alpha 2

TABLE 1

Certified Product Construction Summary:

Carbon Steel frame and panels

All UPS models have identical internal components with either 1, 2, or 3 power modules.

Door latches adjusted to be snug tight.

Certified Options Summary:

UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.

Mounting Configuration:

Base mounted - rigid (Standalone)

FOR CODE COA

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

Building Code: CBC 20	Seismic C	eismic Certification Limits:			1.33 g z/h=1.0 l ; 1.60 g z/h=0.0	<i>I</i> _P = 1.5	
Model Line	Model Dimensions (in) 06			Weight	Notos		
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT
	GVSUP <mark>S60K</mark> GS	B33.3M	ol 20.5 n	a58.5	rir551	2 P <mark>ower</mark> Modules	Interp.
	GVSUPS <mark>60KR</mark> GS	33.3	20.5	58.5	642	3 P <mark>ower</mark> Modules	Interp.
	GVSUP <mark>S80KG</mark> S	33.3	20.5	58,5	551	2 Power Modules	Interp.
	GVSUPS80KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
Galaxy VS (480V)	GVSUPS100KGS	33.3	20.5	58.5	551	2 Power Modules	2
UPS	GVSUPS100KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS120KGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS150KGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS50K150D	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS150KD	33.3	20.5	58.5	642	3 Power Modules	6
Galaxy VS Bravo UPS (Narrow)	GVSUPS20KB2D	33.3	13.0	58.5	816	10kW 208V, UUT: 20kW 480V 2 String Battery Modules	9
Galaxy VS Bravo UPS (Wide)	GVSUPS20KB4D	33.3	20.5	58.5	1,512	10KW 208V; 20KW 480V; 4 String Battery Modules	Interp.
Galaxy VS Bravo UPS (Wide)	GVSUPS50KB4D	33.3	20.5	58.5	1,437	15-25KW 208V;30-50KW 480V; 4 String Battery Modules	Interp.
Galaxy VS Bravo UPS (Tall)	GVSUPS20K100B3H	33.3	22.0	78.0	1,933	20KW 480V IN; 400V OUT 3 String Battery Modules	18
	GVSUPS20KB5D	33.3	22.0	78.0	2,134	10KW 208V; 20KW 480V; 5 String Battery Modules	Interp.
Galaxy VS Bravo UPS (Tall)	GVSUPS50KB5D	33.3	22.0	78.0	2,238	15-25KW 208V; 30-50KW 480V; 5 String Battery Modules	Interp.
	GVSUPS60KB5D	33.3	22.0	78.0	2,193	30KW 208V; 60KW 480V; 5 String Battery Modules	Interp.

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Manufacturer:	Schneider Electric						TABL	F 1
	Galaxy VS Bravo 2/Alp	ha 2						
Certified Product Const								
Carbon Steel frame and	•	_						
All UPS models have ide		onents wit	h either 1,	2, or 3 pc	ower mod	lules.		
Door latches adjusted to								
Certified Options Sumn	-							
UPS - Standalone or gai MBC - Ganged to UPS oi	•							
	ity.							
Mounting Configuratio	n:		D (O	DE				
Base mounted - rigid(S		SFO	KCO	DEC	On			
Note: Installed mounting con	figuration must be of simil	ar configura	tion and equ	ivalent stre	ngth and st	iffness to thos	e tested.	
Building Code: CBC 201	9	Seismic C	ertificatio	n Limits:		1.33 g z/		<i>I</i> _P = 1.5
		Din	nensions	0606	and the second se	1.60 g z/	h=0.0	·
Model Line	Model <	Depth	Width	Height	Weight (lb)		Notes	υυτ
		RV·M	bhamn			40- <u>50KW</u> 20	8V; 80-100KW 480V	
Galaxy VS Bravo UPS (Tall)	GVSUPS100KB5D	33.3	22.0	78.0	2,238		tery Modules	12
						(UUT: 100k)	-	
	CUCMODDCC		04/2		1 702	1.5M, 6 batt	ery strings, circuit	11
Galaxy VS Bravo Modular Battery	GVSMODBC6	33.3	20.5	58.5	1,763	breaker, bra	anch circuit fuse	11
Cabinet (ModBC)	GVSMODBC9	33.3	22.0	78.0	2,865		ery strings, circuit	14
	dv3MODDC3	233.5	22.0	10.0	2,005	breaker, bra	anch circuit fuse	14
		VA P	2 ITT	TNIG	0			
			OILL	1110				
					<u> </u>			
I								



2000495-CR-001-R2

Manufacturer:	Schneider Electric
Model Line:	Galaxy VS Bravo 2/Alpha 2

TABLE 2

Certified Product Construction Summary:

Carbon Steel frame and panels

All UPS models have identical internal components with either 1, 2, or 3 power modules.

Door latches adjusted to be snug tight.

Certified Options Summary:

UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.

Mounting Configuration:

Base mounted - rigid (Ganged)

FOR CODE COA

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

Building Code: CBC 201	9	Seismic Certification Limits:				1.33 g z/h=1.0 1.60 g z/h=0.0	<i>I</i> _P = 1.5
Model Line	Model	Dimensions (in) 06			Weight	Notes	
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT
	GVSUP <mark>S10K</mark> FS	B33.3 M	0 ^{-20.5} n	58.5 a	ri -485	1 P <mark>ower M</mark> odule	Interp.
	GVSUP <mark>S10KR</mark> FS	33.3	20.5	58.5	551	2 P <mark>ower M</mark> odules	Interp.
	GVSUP <mark>S15KF</mark> S	33.3	20.5	58,5	485	1 Power Module	Interp.
	GVSUPS15KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS20KFS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS20KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS25KFS	33.3	20.5	58.5	485	1 Power Module	4
Galaxy VS (208 V)	GVSUPS25KRFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
UPS	GVSUPS30KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS40KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS40KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS50KFS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS50KRFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS60KFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS75KFS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS20KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
	GVSUPS20KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
	GVSUPS30KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
Galaxy VS (480V)	GVSUPS30KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
UPS	GVSUPS40KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
Γ	GVSUPS40KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.
Γ	GVSUPS50KGS	33.3	20.5	58.5	485	1 Power Module	Interp.
Γ	GVSUPS50KRGS	33.3	20.5	58.5	551	2 Power Modules	Interp.

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2000495-CR-001-R2

Manufacturer:	Schneider Electric
Model Line:	Galaxy VS Bravo 2/Alpha 2

TABLE 2

Certified Product Construction Summary:

Carbon Steel frame and panels

All UPS models have identical internal components with either 1, 2, or 3 power modules.

Door latches adjusted to be snug tight.

Certified Options Summary:

UPS - Standalone or ganged to MBC. MBC - Ganged to UPS only.

Mounting Configuration:

Base mounted - rigid (Ganged)

FOR CODE COA

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

Building Code: CBC 2019		Seismic Certification Limits:				1,33 g z/h=1.0 I _P 1.60 g z/h=0.0	= 1.5
Model Line	Model	Dimensions (in) 06			Weight	Notes	
Model Line	Model	Depth	Width	Height	(lb)	Notes	UUT
	GVSUP <mark>S60K</mark> GS	B33.3M	oh20.5 n	a58.5	rir551	2 P <mark>ower</mark> Modules	Interp.
	GVSUPS <mark>60KR</mark> GS	33.3	20.5	58.5	642	3 P <mark>ower M</mark> odules	Interp.
	GVSUP <mark>S80KG</mark> S	33.3	20.5	58,5	551	2 Power Modules	Interp.
	GVSUPS80KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS100KGS	33.3	20.5	58.5	551	2 Power Modules	1,3,5
Galaxy VS (480V) UPS	GVSUPS100KRGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
0P5	GVSUPS100KB5D	33.3	22.0	78.0	1,719	2 Power Modules	8
	GVSUPS120KGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS150KGS	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS50K150D	33.3	20.5	58.5	642	3 Power Modules	Interp.
	GVSUPS150KD	33.3	20.5	58.5	642	3 Power Modules	7
Galaxy VS Bravo UPS (Narrow)	GVSUPS20KB2D	33.3	13.0	58.5	816	10kW 208V, UUT: 20kW 480V 2 String Battery Modules	Interp.
Galaxy VS Bravo UPS	GVSUPS20KB4D	33.3	20.5	58.5	1,512	10KW 208V; 20KW 480V; 4 String Battery Modules	10
(Wide)	GVSUPS50KB4D	33.3	20.5	58.5	1,437	15-25KW 208V;30-50KW 480V; 4 String Battery Modules	17
	GVSUPS20KB5D	33.3	22.0	78.0	2,134	10KW 208V; 20KW 480V; 5 String Battery Modules	Interp.
Galaxy VS Bravo UPS (Tall)	GVSUPS50KB5D	33.0	22.0	78.0	2,238	15-25KW 208V; 30-50KW 480V; 5 String Battery Modules	Interp.
	GVSUPS60KB5D	33.0	22.0	78.0	2,193	30KW 208V; 60KW 480V; 5 String Battery Modules	Interp.

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2000495-CR-0	001-R2					COMPLIA	NCE
	Schneider Electric Galaxy VS Bravo 2/Alp	oha 2				TABLE	2
Certified Product Cons Carbon Steel frame and All UPS models have id Door latches adjusted t	truction Summary: d panels entical internal comp		h either 1	, 2, or 3 pc	ower moc	lules.	
Certified Options Sumi UPS - Standalone or ga MBC - Ganged to UPS o	nged to MBC.						
Mounting Configuration Base mounted - rigid (Note: Installed mounting con Building Code: CBC 202	Ganged) nfiguration must be of simi	lar configurat	Y MM		S _{DS} =	1.33 a z/h=1.0	= 1.5
Model Line	Model	Din Depth	width	(in) 06 Height	Weight (lb)	Notes	υυτ
Galaxy VS Bravo UPS (Tall)	GVSUPS100KB5D		ohamn 22.0			40-50KW 208V; 80-100KW 480V 5 String Battery Modules (UUT: 100kW 480V)	13
Galaxy VS Bravo Modular Battery	GVSMODBC6	33.3	20.5	58.5	1,763	1.5M, 6 battery strings, circuit breaker, branch circuit fuse	10
Cabinet (ModBC)	GVSMODBC9	33.3	22.0	78.0	2,865	2,0M, 9 battery strings, circuit breaker, branch circuit fuse	13
Maintenance Bypass	GVSBPSU80G	33.3	11.8	58.5	243	208V: 10-40kW, 480V: 20-80kW	Interp.
Cabinet (MBC)	GVSBPSU150G	33.3	11.8	-58.5	265	208V: 50-75kW, 480V: 100-150kW	1
MBC w/out Transformer	GVSBP100T	33.3	23.6	78.0	430	100KW, 208V: 10-50kW, 480V: 20- 100kW	Interp.
MDC with leavet	GVSBPIT25	33.3	23.6	58.5	771	25kW, 480V/600V IN	4
MBC with Input Transformer	GVSBPIT25B	33.3	23.6	58.5	771	25kW, 480V/600V IN	Interp.
Transformer	GVSBPIT50	33.3	23.6	58.5	1,102	50kW, 480V/600V IN	Interp.
	GVSBPIT75	33.3	23.6	58.5	1,364	75kW, 480V/600V IN	Interp.
	GVSBPOT50	33.3	23.6	58.5	1,102	50kW, 480V IN	Interp.
MBC with Output	GVSBPOT50B	33.3	23.6	58.5	1,109	50kW, 480V IN	17
Transformer	GVSBPOT100	33.3	23.6	58.5	1,367	100kW, 480V IN	3,5
	GVSBPOT100T	33.3	23.6	78.0	1,764	100kW, 480V IN	8
	GVSBPOT150	33.3	31.5	58.5	2,002	150kW, 480V IN	7

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX Schneider Electric Compliance



	Schneider Electric						TABL	F 3
	Galaxy VS Bravo 2/Alp	oha 2						
Certified Product Cons	=							
Carbon Steel frame and		ononto wit	h aithar 1	2 05 2 0		ulac		
All UPS models have id Door latches adjusted 1		onents wit	in either 1,	, 2, 01 3 pc	owermoo	utes.		
Certified Options Sum UPS - Standalone or ga	=							
MBC - Ganged to UPS o								
Mounting Configuratio	on:		DCO	DE				
Wall Mounted - Rigid		SFO	KCO	DEC	On			
Note: Installed mounting co	nfiguration must be of simi	lar configura	tion and equ	ivalent stre	ngth and st	iffness to thos	e tested.	
Building Code: CBC 20.	19	Seismic C	ertificatio	on Limits:		1.33 g z/		<i>I</i> _P = 1.5
	$S_{DS} = 1.60 g z/h=0.0$ Dimensions (in) Weight							
Model Line	Model	Depth	1	Height	(lb)	m	Notes	UUT
Maintenance Bypass	GVSBPS <mark>U60G-</mark> WP	B¥:7 M	oh ₂₃ m		rim ₆₂	10- <mark>30kW</mark> 20 UU <mark>T9: 60</mark> kW	8V, 20-60kW 480V V 480V	15
Panel (MBP)	GVSBPSU100G-WP	D11,0E	39.4/2	233.02	2 192	25-50kW 20 UUT10: 100	8V, 50-100kW 480V kW 480V	16
			+	HHHH	ATTAN	0		
		MANN		<u>AMM</u>	RBP 2			
		Printle						
		NA I		TRIG	0			
			UILL	JINC				





2000495-CR-001-R2

Manufacturer: Model Line:	Schneider Electric Galaxy VS Bravo 2/Alpha 2	2	Table Description: Electrical Subcomponents					
Building Code: CBC 2019		Seismic Certificati	on 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	No	tes UUT			
		HDL36100	MCCB 100A 600VAC 3P H Frame		18			
		BJF46125	MCCB 125A 600VAC 4P B Frame		15			
		JDF36150	MCCB 150A 500VDC 3P		11			
		JGF37150D81	MCCB 150A 500VDC 3P		Interp.			
		HJF36150CU31X	MCCB 150A 600VAC 3P H Frame 65KA		4,8,15,1			
Circuit Breakers	Square D	JDF36250 BV·M	MCCB 250A 500VDC 3P		1,3,5,8,1			
		JGF37250D82	MCCB 250A 500VDC 3P		Interp.			
		JJF36250CU31XATE	MCCB 250A 600VAC 3P J Frame 65KA		1,3,5,7,8 16,17			
		LJF46250CU31X	MCCB 250A 600VAC 4P L Frame MIC3.3		Interp.			
		LJF36400CU31X	MCCB 400A 600VAC 3P L Frame 65KA		1			
		ABLP1A24045	24VDC Power Supply		18			
		0N-96782	Assy PSU-Connection Box		1-5,9,10 12,13,17 18			
Power Supply Units	Schneider Electric —	0N-96783	Controller box		1-10,12 13,17,18			
		0N-96968	Battery Cartridge, 9Ah BRAVO		17,18			
		0N-96969	Battery Cartridge, 9Ah BRAVO		18			
I/O Assembly	Schneider Electric	ON-96740	I/O Assembly, Bravo, 50kVA		17			





Manufacturer: Model Line:	Schneider Electric Galaxy VS Bravo 2/Alpha	2	S	TABLE 4			
Building Code: CBC 20	19	Seismic Certificat	Seismic Certification 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		
		0G-PM20KD	Assy. Generic Power Module 20KW AGILIS		9,10,12		
Power Module	Schneider Electric	0G-PM50KD	Assy Generic Power Module 50KW AGILIS		1-8,12,13 17,18		
		0G-PM50KD2	Assy. Generic Power Module 50KW AGILIS		Interp.		
		451-1167-Z	Contactor TESYS 32A AC-3 3P 24V DC		9,10,12		
		451-1240 BY: M	Contactor 91A 24VDC 3 Poles Busbar		10		
Contactor	Schneider Electric	LC1D65A6BDS304	Contactor 91A 24VDC 3 Poles Busbar ROHS		1,2,3,4,5 12,13		
		LC1F150BD	Contactor 3P AC3-150A,440VAC Coil 24VDC		1,2,3,4,5 13		
		540-9254	TESYS Vario Switch 40A 690V		9		
		540-9256	Disconnector Switch 80A 690V		10,12		
Switches	Schneider Electric	540-9253	Disconnector Switch 175A 690V		13		
		LV429629	Switch 100A 600VAC 3(NSX Frame		18		
		LV431629	Switch-Disconnector Compact NSX250NA -3P		1,2,3,4,5		
		0G-SBS20KD	SBS20KVA Module AGILIS		9		
		0G-SBS50KD	SBS50KVA Module AGILIS		10,17		
Static Bypass Switch	Schneider Electric	0G-SBS100KD	SBS100KVA Module Agilis		1-5,8,12, 13,18		
		0G-SBS150KD	SBS150KW Module Alpha		6,7		





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Manufacturer: Model Line:	Schneider Electric Galaxy VS Bravo 2/Alpha 2		Table Description: Electrical Subcomponents					
Building Code: CBC 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	R CODE Description	No	tes UUT			
	Bussman	515-1069-Z	Fuse Fast 63A 690VAC		11,14			
		AJT150EI	Fuse AJT150A 500VDC		11			
		A330188	FUS 315A AR SCW 100X48X20		1,2,3,4,5			
Fuses		N330039	Fuse Fast 160A 500VDC/690VAC		9			
Fuses	Mersen	TME00470	Fuse 200A AR Blade-mount 48X38.5MM		10,12			
		AJT300EI RV·M	Fuse AJT300A 500VDC		14			
		TME00373	Mains 1 Fuse 315A AR SCW DIN80,000		13			
		TME00333	Bypass Fuse 400A AR SCW DIN80,000		13			
	B.B.	BP7-12	7Ah battery		9,10, 12,13			
		GP1272	7Ah battery		9,10,11, 12,13,14			
	CSB	HRL1234WF2	9Ah battery		9,10,11, 12,13,14			
Batteries		HR1234WF2	9Ah battery		9,10,11, 12,13,14			
		XTV 1285	9Ah battery	Same as HR1234WF	2 Interp.			
	Panasonic	UP-PW1245P1	9Ah battery		9,10,11, 12,13,14			
		CP1270	7Ah battery		9,10,11, 12,13,14			
	Vision	CP1290 FR	9Ah battery		9,10,11, 12,13,14			





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Manufacturer: Model Line:	Schneider Electric Galaxy VS Bravo 2/Alpha 2		its	TABLE 4	
Building Code: CBC 2019		Seismic Certifica	I _P = 1.5		
Component Type	Manufacturer	Model	R CODE Description	Not	es UUT
Batteries	GS	PXL12090	9Ah battery		9,10,11 12,13,1
		GVSBTHU	Batt Module, High Capacity, 9Ah		8
Battery Module	APC-MGE	0N-96968	Battery Cartridge, 9Ah, Bravo		8
		0N-87728	Assy Switch Sub, 80kw Agilis		8
		GVSBTU BY: M	7Ah Modular battery cartridge w/63A Fuse		9,10,11 12,13,1
Battery Cartridge	Schneider Electric	GVSBTHU DAT	9Ah Modular Battery cartridge w/63A Fuse		9,10,11 12,13,1
		GVSBTHULL	9Ah Modular Battery cartridge w/63A Fuse		9,10,11 12,13,1
Control Board	Schneider Electric	0N-87771	Battery management control board		11,14
		TP-0432-0376	20kVA, 3-Phase, Cu windings, 386 lbs.		18
		TP-0030-0542	30kVA, 3-Phase, Cu windings, 430 lbs.		Interp
		TP-0030-0457	30kVA, 3-Phase, Cu windings, 489 lbs.		4
Transformers	Jinggquanhau	TP-0060-0547	60kVA, 3-Phase, Cu windings, 750 lbs.		17
Transformers	Electronics	TP-0060-0458	60kVA, 3-Phase, Cu windings, 805 lbs.		Interp
		TP-0090-0624	90kVA, 3-Phase, Cu windings, 948 lbs.		Interp
		TP-0100-0459	100kVA, 3-Phase, Cu windings, 1157 lbs.		3,5,8
		TP-0180-0580	180kVA, 3-Phase, Cu windings		7





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Manufacturer: Model Line:	Schneider Electric Galaxy VS Bravo 2/Alpha 2			TABLE 5		
Building Code: CBC 2019		Seismic Certificat	I _P = 1.5	$I_{P} = 1.5$		
Component Type	Manufacturer	Model FC	R CODE Description	No	tes	UUT
		GVSOPT017	Seismic Kit for Narrow UPS			1
		GVSOPT002	Seismic Kit for Wide UPS or Modular Battery Cabinet		:	1,2,3,4,5, 10,11
		GVSOPT016	Seismic Kit for Tall UPS or Modular Battery Cabinet		:	12,13,14 18
		GVSOPT003RV · M	Seismic Kit for Narrow Bypass Floormount			1,9
		GVSOPT008	Seismic Kit for Transformer Cabinet			3,4,5
Seismic Kits	Seismic Kits Schneider Electric	GVSOPT029	Seismic Kit for 150kW Transformer Cabinet			7
		GVSOPT025	Seismic Kit for Maintenance Bypass Cabinet with Transformer, Tall			8
		870-31132	Seismic Anchor Kit Front (Alpha/Bravo)			6,7
		870-97772	Seismic Anchor Kit Rear (Alpha/Bravo)			7
		870-31131	Seismic Kit Rear (Alpha/Bravo)			6
		870-54790	Seismic Anchor Kit Front (Bravo)			8
		870-53396	Seismic Anchor Kit Rear (Bravo)			8
Kirk Key Kit	Schneider Electric	GVSOPT004	Kirk Key Kit for Maintenance Bypass			1
NIK Key Kit	Schneider Liectric	GVSOPT007	Kirk Key Kit for Transformer Cabinet			3,5
		GVSOPT015	Air Filter Kit for Narrow UPS			9
Air Filter Kit	Schneider Electric	GVSOPT001	Air Filter Kit for Wide UPS			10
		GVSOPT014	Air Filter Kit for Tall UPS			12,13,18
NEMA 2 Hole Lug Kit	Schneider Electric	GVSOPT020	NEMA 2 Hole Busbar for Tall UPS			12,13
Parallel Communications Kit	Schneider Electric	GVSOPT006	Parallel w/ 1+1 aux sw Kit			12,13





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Schneider Electric Galaxy VS Bravo 2/Alpha 2		Table Description: Optional Components				
Building Code: CBC 2019		fon Limits: $S_{DS} = 1.33 g z/h = 1.0$ $S_{DS} = 1.60 g z/h = 0.0$	l _P = 1.5			
Manufacturer	Model	CODE Description	Note	s UUT		
	GVSOPT012	Cable kit for Maintenance Bypass Cabinet		17		
Schneider Flectric	GVSOPT013	Cable kit for Maintenance Bypass Cabinet	Same as GVSOPT012	Interp		
	GVSOPT031	4th Breaker Kit for 77.5" tall MBC		8		
	GVSOPT032	Cable kit for for 77.5" tall MBC		8		
	BY:M	ohammad Karim				
		• 04/22/2022				
		. OTILLILOLL DI				
	PAR					
	- A I	I ITI DING				
		OILDING				
	Galaxy VS Bravo 2/Alpha 2 019	Galaxy VS Bravo 2/Alpha 2 019 Seismic Certificati Manufacturer Model GVSOPT012 GVSOPT012 Schneider Electric GVSOPT013 GVSOPT031 GVSOPT032	Galaxy VS Bravo 2/Alpha 2Seismic Certification Limits: $S_{DS} = 1.33 g$ $z/h = 1.0$ Solution SolutionSolution SolutionSolution SolutionSolution SolutionManufacturerModelColor DescriptionManufacturerGVSOPT012Cable kit for Maintenance Bypass CabinetSchneider ElectricGVSOPT013Cable kit for Maintenance Bypass CabinetGVSOPT0314th Breaker Kit for 77.5" tall MBC	Galaxy VS Bravo 2/Alpha 2 Seismic Certification Limits: $S_{DS} = 1.33 g z/h = 1.0$ $S_{DS} = 1.60 g z/h = 0.0$ $I_p = 1.5$ Manufacturer Model Description Note: Schneider Electric GVSOPT012 Cable kit for Maintenance Bypass Cabinet Same as GVSOPT012 Schneider Electric GVSOPT031 4th Breaker Kit for 77.5" tall MBC Same as GVSOPT012 GVSOPT032 Cable kit for for 77.5" tall MBC GVSOPT032 Gable kit for for 77.5" tall MBC		



Manufactu	r er: Schneider E	lectric						
Model Line	: Galaxy VS B	ravo 2/Alpha 2				•		
UUT	Unit Description	Report Number	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	I _P
1	Galaxy VS (480V) GVSUPS100KGS & GVSBPSU150G	PR079655-TR-18 & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
2	Galaxy VS (480V) GVSUPS100KGS	PR079655-TR-18 (UUT2a) & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
3	Galaxy VS (480V) GVSUPS100KGS & GVSBPOT100	PR079655-TR-18 & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
4	Galaxy VS (208V) GVSUPS25KFS & GVSBPIT25	PR079655-TR-18 & Addendum 1_R1	NTS - Huntsville	2018	Yes	1.45 2.00	1.0 0.0	1.5
5	Galaxy VS (480V) GVSUPS100KGS & GVSBPOT100	PR087029-01TR Rev. 1 (UUT1) & Addendum 1_R1	NTS - Huntsville	rii ²⁰¹⁸	Yes	1.45 2.00	1.0 0.0	1.5
6	Galaxy VS (480V) GVSUPS150KD	CPRIBLREVRCMIS C19T0065 & Addendum 2_R0	CPRI - India	2 ₂₀₁₉	Yes	1.45 2.00	1.0 0.0	1.5
7	Galaxy VS (480V) GVSUPS150KD & GVSBPOT150	CPRIBLREVRCMIS C19T0063 & Addendum 3_R0	CPRI - India	2019	Yes	1.45 2.00	1.0 0.0	1.5
8	Galaxy VS (480V) GVSUPS100KB5D & OG- GVSBPOT100T	CPRIBLREVRCMIS C20T0004 & Addendum 4_R0	CPRI - India	2020	Yes	1.54 1.69	1.0 0.0	1.5
9	Galaxy VS Bravo 20kW UPS (Narrow)	PR88708-01TR Rev.1 (UUT1, Run 9)	NTS - Huntsville	2019	Yes	1.45 1.67	1.0 0.0	1.5
10	Galaxy VS Bravo - 20kW UPS (Wide) w/ 1.5M ModBC	PR88708-01TR Rev.1 (UUT 2, Run 9)	NTS - Huntsville	2019	Yes	1.45 1.67	1.0 0.0	1.5
11	1.5M ModBC (Wide)	PR88708-01TR Rev.1 (UUT4, Run 12)	NTS - Huntsville	2019	Yes	1.50 1.64	1.0 0.0	1.5
12	Galaxy VS Bravo 100kW UPS (Tall)	PR88708-01TR Rev.1 (UUT 6a, Run 18)	NTS - Huntsville	2019	Yes	1.54 1.69	1.0 0.0	1.5
Notes:	·	·	·	·I		·		·



Manufactu	rer: Schneider E	lectric						
Model Line	Galaxy VS B	ravo 2/Alpha 2						-
UUT	Unit Description	Report Number	Testing Lab	Year Tested	ISO 17025 Accredited?	S _{DS}	z/h	Ι _Ρ
13	Galaxy VS Bravo - 100kW UPS (Tall) w/ 2.0M ModBC	PR88708-01TR Rev.1 (UUT7, Run 16)	NTS - Huntsville	2019	Yes	1.43 1.66	1.0 0.0	1.5
14	2.0M ModBC (Tall)	PR88708-01TR Rev.1 (UUT8, Run 17)	NTS - Huntsville	2019	Yes	1.63 1.64	1.0 0.0	1.5
15	Maintenance Bypass Panel 20KW, Wall mounted	PR88708-01TR Rev.1 (UUT9, Run 5)	NTS - Huntsville	2019	Yes	1.33 1.63	1.0 0.0	1.5
16	Maintenance Bypass Panel 100KW, Wall mounted	PR88708-01TR Rev.1 (UUT10, Run 5)	NTS - Huntsville	2019	Yes	1.33 1.63	1.0 0.0	1.5
17	Galaxy VS Bravo 50kW UPS w/50kW MBC	CPRIBLREVRC19T 0113	ohGPRImladiaKa	rii ²⁰¹⁹	Yes	1.45 1.60	1.0 0.0	1.5
18	Galaxy VS Bravo 20kW UPS (Tall)	CPRIBLREVRCMIS C21T0033	CPRI - India	2 ₂₀₂₁	Yes	1.54 1.69	1.0 0.0	1.5
		P						
		VIA E	BUILDING	0				
Notes:								

Schneider Electric

2000495-CR-001-R2

Manufacturer:



UUT 1

Model Line:	Galaxy VS	S Bravo 2/Alpha 2						JUT	1
Model Number:	GVSUPS1	GVSUPS100KGS w/GVSBPSU150G				N/A			
Product Constru	ction Summary:								
100kW UPS with	150kW MBC								
Carbon steel frar	me and panels								
Options/Subcom	nponent Summa	ry:							
(2) Power Modul	es, 91A 24VDC 3-	pole contactor, 400A I	frame breaker, 250	DA J-frame	e breake	r, Power S	Supply, 15	0A 440VA	C 3-pol
contactor, Conne	ection Box, Cont	roller Box, 315A Fuse,	Static Bypass switc	h, Seismic	kit				
			DCODE						
		FU	K COBL (On					
		JEV		ND)					
			UUT Properties		T				
Weight		Dimension (in)	กโป้ยงไปโหะแห่งไหวไม่ได้ได้ได้ได้ได้ได้ได้ได้ได้ได้ได้ได้ได้ไ	Lowest Natural					
(lb)	Depth	Width	OS Height 06	Front-Back		Side-Side		Vertical	
816	33.3	32.3	58.5	16.2		8.0		>33.3	
		UUT Highest	Passed Seismic Rur	n Informat	tion 💦			-	
Buildi	ng Code	Test Criter	ia S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
CRO	2019	ICC-ESAC1	$56 04/2^{1.45}$	2 1.0	1.5	2.32	1.74	1.33	0.53
			2.00	0.0		2.52	1.14	1.55	0.55
Test Mounting D	etails:				2				
	Contraction of the local division of the loc	Ö.			I AR			- Al	
	-/	RAN				11	1 2 P	1	
	A BAL		RI ITI SAG	C	1-			100	
	No. Investo		POIL	205	-		I		
-	XE		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5				2	
							18		
				12	1				
9									
							~		
			- 10						
		Circle Party	and the second second	1			50		
		and the second second	the let	1 24					
				6	N 2		1A	100	

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.





2000495-CR-001-R2



Model Line: Galaxy VS Bravo 2/Alpha 2 Model Number: GVSUPS100KGS Serial Number: N/A Product Construction Summary: N/A 100kW UPS Carbon steel frame and panels Options/Subcomponent Summary: Carbon Steel frame breaker, 250A J-frame breaker, Power Supply, contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, Seismic kit	UUT 2	_
Product Construction Summary: 100kW UPS Carbon steel frame and panels Options/Subcomponent Summary: (2) Power Modules, 91A 24VDC 3-pole contactor, 400A L-frame breaker, 250A J-frame breaker, Power Supply,	150A 440VA	
100kW UPS Carbon steel frame and panels Options/Subcomponent Summary: (2) Power Modules, 91A 24VDC 3-pole contactor, 400A L-frame breaker, 250A J-frame breaker, Power Supply,	150A 440VA	
Carbon steel frame and panels <i>Options/Subcomponent Summary:</i> (2) Power Modules, 91A 24VDC 3-pole contactor, 400A L-frame breaker, 250A J-frame breaker, Power Supply,	150A 440VA	
Options/Subcomponent Summary: (2) Power Modules, 91A 24VDC 3-pole contactor, 400A L-frame breaker, 250A J-frame breaker, Power Supply,	150A 440VA	
(2) Power Modules, 91A 24VDC 3-pole contactor, 400A L-frame breaker, 250A J-frame breaker, Power Supply,	150A 440VA	
(2) Power Modules, 91A 24VDC 3-pole contactor, 400A L-frame breaker, 250A J-frame breaker, Power Supply,	150A 440VA	
· · · · · · · · · · · · · · · · · · ·	150A 440VA	
contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, Seismic kit		C 3-pole
-OR CODE CO		
S FORMULA AND AND AND AND AND AND AND AND AND AN		
NY CONTRACTOR		
UUT Properties		
Weight Dimension (in) Lowest Natural Frequ		
(lb) Depth Width OSHeight 6 Front-Back Side-Side		
551 33.3 20.5 58.5 15.9 6.1	>33.3	
UUT Highest Passed Seismic Run Information		
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-ESAC156 04/22/22 1.0 1.5 2.32 1.74	1.33	0.53
Test Mounting Details:	in a	
the second se	T	
	-	

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 3

2000495-CR-001-R2

Manufacturer:	Schneider Electric
Model Line:	Galaxy VS Bravo 2/Alpha 2
Model Number:	GVSUPS100KGS w/GVSBPOT100

Serial Number: N/A

Product Construction Summary:

100kW UPS with 100kW MBC and output transformer Carbon steel frame and panels

Options/Subcomponent Summary:

(2) Power Modules, 91A 24VDC 3-pole contactor, 250A J-frame breaker, Power Supply, 150A 440VAC 3-pole contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, 100kVA Transformer, Seismic kit

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				UUTI	Properties						
Weight		Dir	mension (in)			Lowes	st Natural	Frequen	cy (Hz)	
(lb)	Depth	Z			leight 06	Front-Back		Side	-Side	Ver	tical
1,918	33.3		44.1		58.5		14.7		.7	18.2	
			UUT Highe	st Passed	Seismic Run	Informa	tion				
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 A		1,45	2 1.0	1-5	2.32	1.74	1 22	0.53
CBC	. 2019		ICC-ESA	130 04	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.

OSP-0606







UUT 4

2000495-CR-001-R2

Manufacturer:	Schneider Electric
Model Line:	Galaxy VS Bravo 2/Alpha 2
Model Number:	GVSUPS25KFS w/GVSBPIT25

Serial Number: N/A

Product Construction Summary:

25kW UPS with 25kW MBC and input transformer Carbon steel frame and panels

Options/Subcomponent Summary:

(1) Power Module, 91A 24VDC 3-pole contactor, 150A H-frame breaker, Power Supply, 150A 440VAC 3-pole contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, 30kVA Transformer, Seismic kit

				UUT	Properties		-				
Weight		Din	nension (in)			Lowes	st Natural	Frequen	cy (Hz)	
(lb)	Depth	4	Width OSF		leight 06	Front	t-Back	Side	-Side	Vert	tical
1,256	33.3		44.1		58.5		19.5		3.3	22.0	
			UUT Highe	st Passed	Seismic Run	Informa	ition				
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} (
CDC	2019		IC <mark>C-ES</mark> A		1,45	2 1.0	1-5	2.32	1.74	1.33	0.53
CBC	2019		ICC-ESAL	130 02	2.00	0.0	1.5	2.32	1.74	1.55	0.55

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.







UUT 5

2000495-CR-001-R2

Manufacturer:	Schneider Electric
Model Line:	Galaxy VS Bravo 2/Alpha 2
Model Number:	GVSUPS100KGS w/GVSBPOT100

Serial Number: N/A

Product Construction Summary:

100kW UPS with 100kW MBC and input transformer Carbon steel frame and panels

Options/Subcomponent Summary:

(2) 50kW Power Modules, 91A 24VDC 3-pole contactor, 250A J-frame breaker, Power Supply, 150A 440VAC 3-pole contactor, Connection Box, Controller Box, 315A Fuse, Static Bypass switch, 100kVA Transformer, Seismic kit

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			UUT Pr	operties		7				
Weight		Dimension (in) In West Deese	v/WXxXxxXXX		Lowes	st Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 06	Front	t-Back	Side	-Side	Ver	tical
1,918	33.3	44.1	5	8.5	1	2.8	8	.6	19	9.4
		UUT Highe	st Passed Se	eismic Run	Informa	tion				
Buildi	ng Code	Test Cri	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (
CBC	2019	ICC-ESA	C156 04/	2.00	$2^{1.0}_{0.0}$	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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2000495-CR-001-R2



Manufacturer:	Schneide	er Electric							c
Model Line:	Galaxy VS	S Bravo 2/Alpha 2						JUT	6
Model Number:									
Product Constru	ction Summary:	:							
150kW UPS									
Carbon steel frar	ne and panels								
Options/Subcom	ponent Summa	ıry:							
	Aodules, Static E	Bypass switch 150kW	rating, Seismic kit,	Assy UC-S	_C Contro	oller Box, A	Assy Gene	eric Powe	r
Modules.									
		- (RCODE						
		DE		OMS					
		NED			· \				
		L'	UUT Properties		Y				
Weight		Dimension (in)					Frequen		
(lb) Depth		Width	OS Height 06	-	Front-Back		Side-Side		tical
642	33.3	20.5 58.5 14.8					.8	2	8.4
			t Passed Seismic R				1	1	<u> </u>
Buildi	ng Code	Test Crite	55 (8)		I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
CBC	2019	ICC-ESAC	156 04/22/20 2.00	$\frac{1.0}{2}$	1.5	2.32	1.74	1.33	0.53
T	- 4 11 -		2.00	0.0	5				
Test Mounting D	etalis:				N/				
	Contraction of the second	C Many		cop	~				
				607					
0		and and a second	BUTTOTNO	100					
			TLUIT						
		Gene	16						
and the second									
		THE							
	X I	the second se							

The UUT was rigid-base mounted using customer provided seismic kit (870-31131 and 870-31132). The seismic kit mounting details can be found on the following page.

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







UUT 7

2000495-CR-001-R2

Manufacturer:	Schneider Electric
Model Line:	Galaxy VS Bravo 2/Alpha 2
Model Number:	GVSUPS150KD w/GVSBPOT150

Serial Number: N/A

Product Construction Summary:

150kW UPS w/ 150kW MBC with transformer Carbon steel frame and panels

Options/Subcomponent Summary:

(3) 50kW Power Modules, Static Bypass switch 150kW rating, Seismic kit, J Frame Circuit Breaker, Controller Box, 150kW Alpha Module, 180kVA Transformer



		L.	UUT P	Properties		4				
Weight ¹		Dimension (in	n)			Lowes	st Natural	Frequen	cy (Hz)	
(lb)	Depth	Width ¹	OSF	eight 06	Fron	t-Back	Side	-Side	Ver	tical
2,644	33.3	K		58.5	12.8		8	.4	17	7.6
		UUT High	est Passed	Seismic Run	Informa	ition				
Buildiı	ng Code	Test Cr	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		C15 6 04	/221.45	2 ^{1.0} 0.0	1.5	2.32	1.74	1.33	0.53

Test Mounting Details:



¹Weight and Dimensions listed are total for ganged UPS and MBC. Individual details are as follows:

UPS - 642 lbs., 20.5" Wide MBC - 2,002 lbs., 31.5" Wide

The UUT was rigid-base mounted using customer provided seismic kit (870-97772 and 870-31132). The seismic kit mounting details can be found on the following page.

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







2000495-CR-001-R2

Model Line: Galaxy VS Bravo 2/Alpha 2 U Model Number: GVSUPS100KB5D w/GVSBPOT100T Serial Number: N/A Product Construction Summary: 100kW UPS w/ 100kW MBC with transformer Serial Number: N/A Options/Subcomponent Summary: 00kW VPS w/ 100kW ABC, Static Bypass switch 100kW rating, Seismic kit, H Frame Circuit Breaker, J Frame Circuit Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge. UUT Properties UUT Properties Weight ¹ Dimension (in) Lowest Natural Frequency (lb) Depth Width ¹ Height 6 Front-Back Side-Side	
Product Construction Summary: 100kW UPS w/ 100kW MBC with transformer Carbon steel frame and panels Options/Subcomponent Summary: (2) 50kW Power Modules, Static Bypass switch 100kW rating, Seismic kit, H Frame Circuit Breaker, J Frame Circuit Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge. UUT Properties Weight ¹ Dimension (in)	
100kW UPS w/ 100kW MBC with transformer Carbon steel frame and panels Options/Subcomponent Summary: (2) 50kW Power Modules, Static Bypass switch 100kW rating, Seismic kit, H Frame Circuit Breaker, J Frame Circuit Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge. Image: Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge. Image: Controller Box Image: Controler Box Image: Contr	
Carbon steel frame and panels Options/Subcomponent Summary: (2) 50kW Power Modules, Static Bypass switch 100kW rating, Seismic kit, H Frame Circuit Breaker, J Frame Circuit Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge. UUT Properties Weight ¹ Dimension (in) Lowest Natural Frequency	
Options/Subcomponent Summary: (2) 50kW Power Modules, Static Bypass switch 100kW rating, Seismic kit, H Frame Circuit Breaker, J Frame Circuit Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge. Image: Control of the system of	
(2) 50kW Power Modules, Static Bypass switch 100kW rating, Seismic kit, H Frame Circuit Breaker, J Frame Circuit Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge. UUT Properties Weight ¹ Dimension (in) Lowest Natural Frequency	
(2) 50kW Power Modules, Static Bypass switch 100kW rating, Seismic kit, H Frame Circuit Breaker, J Frame Circuit Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge. UUT Properties Weight ¹ Dimension (in) Lowest Natural Frequency	
Controller Box, 100kVA Module Agilis, 100kVA Transformer, Switch Assy, Battery Module, Battery Cartridge.	
UUT Properties Weight ¹ Dimension (in) Lowest Natural Frequency	
UUT Properties Weight ¹ Dimension (in) Lowest Natural Frequency	
UUT Properties Weight ¹ Dimension (in) Lowest Natural Frequency	y (Hz)
Weight ¹ Dimension (in) Lowest Natural Frequency	v (Hz)
	v (Hz)
(lb) Depth Width ¹ SHeight Front-Back Side-Side	y (nz)
	Vertical
3,483 33.3 45.6 78.0 9.4 6.3	23.6
UUT Highest Passed Seismic Run Information	
Building Code Test Criteria S _{DS} (g) z/h I _P A _{FLX-H} (g) A _{RIG-H} (g) A	A _{FLX-V} (g) A _{RIG-V} (g
CBC 2019 ICC-ESAC156 04/221.54 2 1.0 1.5 2.32 1.74	1.13 0.45
Test Mounting Details:	
BIT DING	
¹ Weight and Dimensions listed are to	ital
for ganged UPS and MBC. Individual details are as follows:	
details are as follows.	
UPS - 1,719 lbs., 21.5" Wide	
MBC - 1,764 lbs., 23.6" Wide	

The UUT was rigid-base mounted using customer provided seismic kit (870-54790 and 870-53396). The seismic kit mounting details can be found on the following page.

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



2000495-CR-001-R2



2000495-CR-001-R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS20KB2D

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-96782), Fuse Fast (PN: N330039), Control Box (PN: 0N-96783), Vario Switch (PN: 540-9254), 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), Air Filter Kit (PN: GVSOPT015)

		, Li	UUT Pro	operties		-				
Weight		Dimension (in)	lmWer/Mrser/			Lowes	st Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHei	ight 06	Front	-Back	Side	-Side	Ver	tical
816	33.3	13.0 58.5		3.5	18.0		7.0		32.5	
		UUT Highes	t Passed Se	ismic Run	Informa	tion				
Buildi	ng 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)
CBC	2019		156 04/2	$22^{1.45}_{1.67}$	2 ^{1.0} 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.

OSP-0606



Serial Number:

N/A

Schneider TRU Electric COMPLIANCE




2000495-CR-001-R2

Manufacturer:

Model Number:

Model Line:

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.

Galaxy VS

Schneider Electric

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-96782), Fuse Fast (PN: N330039), Control Box (PN: 0N-96783), Vario Switch (PN: 540-9254), 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)

							~				
		1.C		UUT Pro	operties		V				
Weight		Dimension (in)			Lowest Natural Frequency (Hz)						
(lb)	Depth	W K	idth	OSHei	ght 06	Front	-Back	Side	-Side	Vertical	
3,275	33.3	4	1.0	58	3.5	14	4.0	9	.5	3.	
		UU	IT Highest	Passed Se	ismic Run	Informa	tion				
Buildi	ng Code		Test Crite	ria	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		CC-ESAC	156 0 1 / 2	1.45	2 1.0	1.5	2.32	1.74	1.11	0.45
CDC	, 2013		CC-LOAC.	50 04/2	1.67	0.0	1.0	2.52	1.14	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.

OSP-0606









2000495-CR-001-R2





UUT 11

Model Line: Galaxy VS

Model Number:

GVSMODBC6

Schneider Electric

Serial Number: N/A

Product Construction Summary:

1.5M ModBC (Wide)

Manufacturer:

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: 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)

CORCODEC

			UUTF	Properties		5					
Weight		Dimension (in)			Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	Width OSF		Fron	t-Back	Side	-Side	Ver	tical	
1,763	33.3	20.5	20.5 58.5			4.0	9	.5	32	2.5	
		UUT Highe	st Passed	Seismic Run	Informa	ition					
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	
CBC	2019	ICC-ESA	C156 0/	1.50	2 1.0	1.5	2.40	1.80	1.09	0.44	
CDC	, 2019		120 04	1.64	0.0		2.40	1.00	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.



Manufacturer:	Schneider Electric			
Model Line:	Galaxy VS			UUT 11
Model Number:	GVSMODBC6	S	erial Number: N/A	
Seismic Mounting K	(it Details:			
Part Number: G	VSOPT002			
			De eu Due els ets se	
			Rear Bracket: m with (4) M8 bolt	
	e e			
		COR CODE CO		
	REVIEW		MD,	
	H	HCAI	12	
	E I	OSP-0606		
		<u> </u>	ront Bracket: mounted to	D UUT
6	• B	SY: Mohammad Kal	rith (4) M8 bolts	
	Ce le	TE: 04/22/2022	2 6	
			6	
	1 TO			
	R		Rear Bracket: mounted	d to the shake
ုိ	• • •	BLING	table with (4) M12 bol	
		OILDIN		
			Front Bracket: mounted	to the shake
	0 0		table with (4) M12 bolts.	
<u> </u>				
		TF	RU Compliance, by Structu	ral Integrity Associates, In
				info@trucompliance.com

2000495-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 (PN: 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)

		4		υυτι	Properties		4							
Weight		Dim	Dimension (in)				Lowest Natural Frequency (Hz)							
(lb)	Depth	oth Width		OSF	leight 06	Fron	t-Back	Side	-Side	Vertical				
2,238	2,238 33.3		22.0 78.0			8.5		7	.5	26	5.0			
			JUT Highe	st Passed	Seismic Run	Informa	ition							
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 A		1.54	2 1.0	175	2.46	1.85	1.13	0.45			
LDL	. 2019		ICC-ESA	120 02	1.69	0.0	1.5	2,40	1.65	1.13	0.45			

Test Mounting Details:







*Mounting brackets used with UUT14 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 bracket to the UUT. (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.



Schneider







UUT 13*

2000495-CR-001-R2

Manufacturer: Schneider Electric Model Line: Galaxy VS

Model Number: GVSUPS100KB5D & 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. *UUT13 consisted of UUT12 + UUT14 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 (PN: 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)

		4	UUTF	Properties		-					
Weight		Dimension (in)			Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OSHeight06		Front-Back		Side-Side		Vertical		
5,103	5,103 33.3 44.0		44.0 78.0			8.5		.5	26.0		
		UUT Highes	st Passed	Seismic Run	Informa	tion					
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)	
CBC	2019		C156 04	/221.43	$2\frac{1.0}{0.0}$	1.5	2.28	1.72	1.11	0.44	

Left

Test Mounting Details:







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.





2000495-CR-001-R2



Manufacturer:	Schneider E	Electric									
Model Line:	Galaxy VS								U	UT 1	.4
Model Number:	GVSMODBC	.9				Serial Nı	mber:	N/A			
Product Constru	uction Summary:										
2.0M ModBC (Ta	ll)										
1.5mm carbon s	teel frame and 1mr	n carbon s	steel pane	ls.							
Options/Subcor	nponent Summary										
Fast Fuse (PN: 5	15-1069-Z), MCCB (PN: JDF36	250), Batt	ery Mana	igement Co	ntrol Boa	rd (PN:	0N-87771),	Fuse (PN	I: AJT300	EI), BTU
Battery (PN: HR	L1234WF2), BTU Ba	tterv (PN:	HR1234W	F2). BTU	Battery (PN	I: GP1272). BTU B	Battery (PN	: CP1290	FR). BTU	Batterv
										.,	,
(PIN; CP1270), D	TU Battery (PN: UP-	PW1245P	I), DIU Da	ittery (PN	N: PAL12090	η , diu da	ittery (P	IN: DP (-12)			
			<()	KCC							
			240		WXXXXX	JAN					
						175					
		5			roperties		-				
Weight		Dimen	sion (in)		operato		Lowe	st Natural	Frequen	cy (Hz)	
(lb)	Depth	Wi	dth	OSRe	eight 06	Front	-Back	1	Side		tical
2,865	33.3	22	2.0	120012207	78.0	8	.5	7	.5	28	3.0
		UU	T Highest I	Passed S	eismic Run	Informa	tio <mark>n</mark>				
Build	ing Code	Т	est Criter	ia	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CB	C 2019		C-ESAC1	56 04/	1.63	2 1.0	1.5	2.61	1.96	1.09	0.44
	C 2013				1.64	0.0	15	2.01	1.50	1.05	0.11
Test Mounting L	Dotails			XXXXXX							
	Jetuns.						\sim				
	Jetuns.	T					N	_			
	letters.	TO	8				RONT				
		TRO	en y			001	RONT				

		4		UUT P	roperties						
Weight		Dime	ension (in	Mar Maria			Lowes	st Natural	Frequen	cy (Hz)	
(lb)	Depth	121	Width	OSR	eight 06	Front	-Back	Side	-Side	Ver	tical
2,865	33.3		22.0		78.0	8	.5	7	.5	28	3.0
		U	IUT Highe	st Passed S	eismic Run	Informa	tion				
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)
CBC	2019		ICC-ES A	156 0/	1.63	2 1.0	1.5	2.61	1.96	1.09	0.44
CDC	, 2013		ICC-LOAD	150 04	1.64	0.0		2.01	1.90	1.09	0.44

Test Mounting Details:





UUT 8

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.





Schneider Electric



2000495-CR-001-R2

Manufacturer:

									UT 1	5
Model Line:	Galaxy VS)								
Model Number:	GVSBPSU	60G-WP			Serial Nı	ımber:	N/A			
roduct Construc	tion Summary:									
laintenance Byp	ass Panel 20KW	, Wall mounted								
5mm carbon ste	eel enclosure									
Options/Subcom	ponent Summa	rv:								
		CB (BJF46125), Kirk	Kov (PNI-GV							
	JIJ0CUJIZ), №C	CD (DJF40125), Niir	rey (FN.OV	30F1004)						
			an CO	DE						
		F	OKCO	DEC	\mathbf{D}					
		(0)			Ms,					
		NL								
				operties		Z				
Weight		Dimension (in	000			Lowes	st Natural	Frequen	cy (Hz)	
(lb)	Depth	Width	OSHe	ight 06	Front	-Back	Side	-Side	Ver	tical
62	9.0	24.0	2	6.0	N	/A	N	/A	N	/A
		UUT Highe	st Passed Se	eismic Run	Informa	tion 💦				
Buildir	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
	2010			1.33	1.0					
CBC	2019	ICC-ESA	C156 04/	1.63	² 0.0	1.5	2.13	1.60	1.07	0.44
Test Mounting De	tails			PREFERE	HAHA	0	ļ	1		
est mounting De				HHHH		V/				





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.



2000495-CR-001-R2

Manufacturer:	Schneide	er Electric								~
Model Line:	Galaxy VS	5						U	UT 1	.6
Model Number:	GVSBPSU	J100G-WP			Serial Nı	ımber:	N/A			
Product Construc	tion Summary:	:								
Maintenance Bypa		W, Wall mounted								
1.5mm carbon ste	eel enclosure									
Options/Subcomp		-								
MCCB (PN: JJF362	250CU31X), MCC	CB (PN: LIF46250CU	31X),Kirk Key	y (PN:GVS0	OPT004)					
		-	ORCO	DEC						
		OF.			Ms,					
		NEL								
		- S	UUT Pro	operties		Z				
Weight		Dimension (in	-				st Natural	-		
(lb)	Depth	Width		ight 06				-Side		tical
192	11.0	39.0		3.0	N/A			/A	N	/A
			est Passed Se							
Buildin	g 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 A	C156 04/2	$22^{1.33}_{1.202}$	2 1.0	1.5	2.13	1.60	1.07	0.44
Toot Mounting Do	4	Z		1.63	0.0	5				
Test Mounting De					AHAN .	$\widetilde{\nabla}$				
加度						1				
· .		474	רטט	T 16	07				Sector Sector	1
			BUILT	NIG			-	-		
				57				-		1
	UU 10	100			International Content					-
*	addinger.				2	12			12	
		_								1
			1							100
			-							1
		-	1			1.1				
				March 1	-			210	-	-

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.

2000495-CR-001-R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS

Model Number: GVSUPS50KB4D w/GVSBPOT50B

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, JJF36250CU31A, JJF36250CU31A, JJF36250CU30, JJF362500, JJF36250CU3

			UUT P	roperties		2				
Weight		Dimension (in	Lowest Natural Frequency (Hz)							
(lb)	Depth	Width	/idth OSHeight06		Front	-Back	Side	-Side	Ver	tical
2,546	33.0	44.1		58.5	11	1.3	9	.2	24	ł.1
		UUT Highe	st Passed S	Seismic Run	Informa	tion				
Buildi	ng Code	Test Cri	teria	S _{DS} (g)	z/h	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g
СВС	2019	ICC-ESA	C156 04	/221.45	$2^{1.0}_{0.0}$	1.5	2.32	1.74	1.07	0.43





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.

OSP-0606



Serial Number: QS1910121853/BD1913004116



Schneider Electric COMPLIANCE



2000495-CR-001-R2

Manufacturer: Schneider Electric

Model Line: Galaxy VS Model Number: GVSUPS20K100B3H

Serial Number: QS2110180125

Product Construction Summary:

Galaxy VS Bravo 20kW UPS (Tall) 1.5mm carbon steel frame and 1mm carbon steel panels.

Options/Subcomponent Summary:

Power Module (0G-PM50KD), Contactor (LC1D65A6BDS304), Contactor (LC1F150BD), Module Agilis (0G-SBS100KD), Switch (540-9253), PSU-Connection Box (PN: 0N-96782), Main Fuse (TME00373), Bypass Fuse (TME00333), Controller Box (0N-96783), BTU Battery (HRL1234WF2), BTU Battery (HR1234WF2), BTU Battery (GP1272), BTU Battery (CP1290 FR), BTU Battery (CP1270), BTU Battery (UP-PW1245P1), BTU Battery (PXL12090), BTU Battery (BP7-12), BTU Battery(XTV1285 F2FR), BTU Battery(UP-PW1245), Breaker (HDL36100), Switch (LV429629), Power Supply (ABLP1A24045), Transformer (432-0376)

		4	υυτι	Properties		-					
Weight		Dimension (in)			Lowest Natural Frequency (Hz)						
(lb)	Depth	Width	OSF	leight 06	Front	t-Back	Side	-Side	Ver	tical	
1,933	1,933 33.3		22.0 78.0			.5	4.0		18	3.8	
		UUT High	e <mark>s</mark> t Passed	Seismic Run	Informa	tion					
Buildi	ng Code	Test Cr	iteria	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	C ICC-ES	AC156 04	$1/22^{1.54}_{1.69}$	2 ^{1.0} 0.0	1.5	2.46	1.85	1.13	0.45	





The UUT was rigid-base mounted using customer provided seismic kit (PN:GVSOPT016). (12) M8 bolts and (2) M6 bolts and washers were used to mount the bracket to the UUT. (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.

OSP-0606



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