



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0736

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Schneider Electric Private Limited

Manufacturer's Technical Representative: Allen Amanna

Mailing Address: 78/1 78/2, ARGON NORTH BUILDING, BAGMANE, DODDANEKUNDI, Graphite India Road, K R PURAM
HOBLI, Bengaluru,, Bengaluru Urban, Karnataka 560037

Telephone: +91 1800 103 0011 Email: allen.amanna@se.com

Product Information

Product Name: Uninterruptible Power Supply (UPS)

Product Model Number(s): Galaxy VL

Product Category: UPS and Batteries

Product Sub-Category: UPS

General Description: UPS and Maintenance Bypass Cabinet

Mounting Description: Base Mounted Rigid

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: TRU Compliance, by Structural Integrity Associates, Inc.

Contact Person: Victoria Ahrens

Mailing Address: 233 SW Wilson Ave, Suite 101, Bend, OR 97702

Telephone: (541) 292-5820 Email: vahrens@structint.com

Title: Certification Engineer



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

Company Name: STRUCTURAL INTEGRITY ASSOCIATES, INC.

Name: LACHEZAR HANDZHIYSKI

California License Number: S6515

Mailing Address: 5215 Hellyer Avenue, Suite 210, San Jose, CA 95138

Telephone: (669) 437-0200

Email: Lhandzhiyski@StructInt.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

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, Bangalore Karnataka 560 080

Telephone: +91 (0) 80-2207 2487

Email: dgcpri@cpri.in

BY: Mohammad Karim

DATE: 11/19/2025



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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 0.922 (SDS = 1.28 @ $z/h=1$); 0.855 (SDS = 1.90 @ $z/h=0$)

SDS (Design spectral response acceleration at short period, g) = 1.28 ($z/h = 1$); 1.90 ($z/h = 0$)

a_p (Amplification factor) = 1.0

R_p (Response modification factor) = 2.5

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 11/19/2031

Date: 11/19/2025

Name: Mohammad Karim

Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 1.28

z/h = 1

Condition of Approval (if applicable):

BY: Mohammad Karim

DATE: 11/19/2025

SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENT MATRIX

2001373-CR-001-R2



Manufacturer: Schneider Electric Private Limited						TABLE 1	
Model Line: Galaxy VL							
Certified Product Construction Summary: Cabinet frames and panels are cold-formed carbon steel w/ 1.5-2.5mm thick frame members.							
Certified Options Summary: UPS - Standalone or Ganged to MBC or IOC MBC - Ganged to UPS only IOC - Ganged to UPS only							
Mounting Configuration: Base mounted - rigid Note: Installed mounting must be of similar configuration and equivalent strength and stiffness to those tested.							
Building Code: CBC 2022		Seismic Certification Limits:		$S_{DS}= 1.28\text{ g}$ $z/h=1.0$ $S_{DS}= 1.90\text{ g}$ $z/h=0.0$		$I_P= 1.5$	
Model Line	Model	Dimensions (in)			Weight (lbs.)	Notes	UUT
		Depth	Width	Height			
Galaxy VL UPS	GVLFRM200K500D	31.5	33.5	77.6	1,565	With 10 PM Installed	1
Galaxy VL UPS with MBC	GVLFRM200K500D + GVLMBCA200K500G	31.5	53.2	77.6	1,962		2
Galaxy VL UPS with IOC - Input Output Cabinet ¹	GVLFRM200K500D (x2) w/ TME45726 (x2) + GVLIOCA2MW	33.1	133.8	89.3	6,971		3
	GVLFRM200K500D (x4) w/ TME45726 (x4) + GVLIOCA2MW (1600kW)	33.1	200.6	89.3	10,684	GVL1600K2000KGS, 415/480V	Extrap.
	GVLFRM200K500D (x4) w/ TME45726 (x4) + GVLIOCA2MW (1800kW)	33.1	200.6	89.3	11,019	GVL1800K2000KGS, 415/480V	Extrap.
	GVLFRM200K500D (x4) w/ TME45726 (x4) + GVLIOCA2MW (2000kW)	33.1	200.6	89.3	11,354	GVL2000KG, 415/480V	Extrap.
Notes: 1. GVLFRM200K500D (UPS) with TME45726 (Bus-Duct) is identical to GVL300K500KG.							

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENT MATRIX

2001373-CR-001-R2



Manufacturer: Schneider Electric Private Limited		Table Description: Electrical Components			TABLE 2
Model Line: Galaxy VL					
Building Code: CBC 2022		Seismic Certification Limits:		$S_{DS} = 1.28 g \quad z/h = 1.0$ $S_{DS} = 1.90 g \quad z/h = 0.0$	$I_p = 1.5$
Component Type	Manufacturer	Model	Description	Notes	UUT
Frames	Schneider Electric	GVLFRM200K500D	Galaxy VL UPS Frame	UPS Frame with 4 power modules pre-installed	1, 2
		GVL300K500KG	UPS (GVLFRM200K500D) with Bus-Duct (TME45726)	With 6 power modules pre-installed	3
		GVLMBCA200K500G	Galaxy VL MBC Frame		2
		GVLIOCA2MW	Galaxy VL IOC Frame		3
Power Modules	Schneider Electric	0G-PM50KD2	Power Module 50kW		1, 2, 3
Static Switch	Schneider Electric	0G-SBS500KD	Static Switch Module Charlie		1, 2
		0G-SBS500KD1	Static Bypass Switch		3
Contactor Assembly	Schneider Electric	0N-87879	Bonding Contactor Assembly Charlie		1, 2
PSU Box	Schneider Electric	0N-87861	PSU Box Assembly Charlie		1, 2
		0N-87861A	UPS Power Supply Unit		3
		ABLU3A24050	IOC Power Supply Unit		3
UC Box	Schneider Electric	0N-2124	UC Box Assembly Charlie		1, 2
		0N-2124B	Unit Controller (UC)		3
Port Expander	Schneider Electric	0N-87860	Data Distribution Unit (DDU)		1, 2, 3
Display	Schneider Electric	0N-2084	Display Door Assembly		1, 2
		0N-2084A	UPS Human Machine Interface		3
		HMIST6500	IOC Human Machine Interface		3
Circuit Breaker	Schneider Electric	PJ1200	MCCB, 1200A, 3P, 600VAC		2
Backfeed Breaker	Schneider Electric	PLF34080CU33AAC	800A		3
SL Controller	Schneider Electric	0N-2119A	System Level Controller		3
Bus Duct Assembly	Schneider Electric	TME45726	Busbar Duct Assembly		

TRU Compliance, by Structural Integrity Associates, Inc.

844-TRU-0200 | info@trucompliance.com

UNIT UNDER TEST (UUT) SUMMARY SHEET

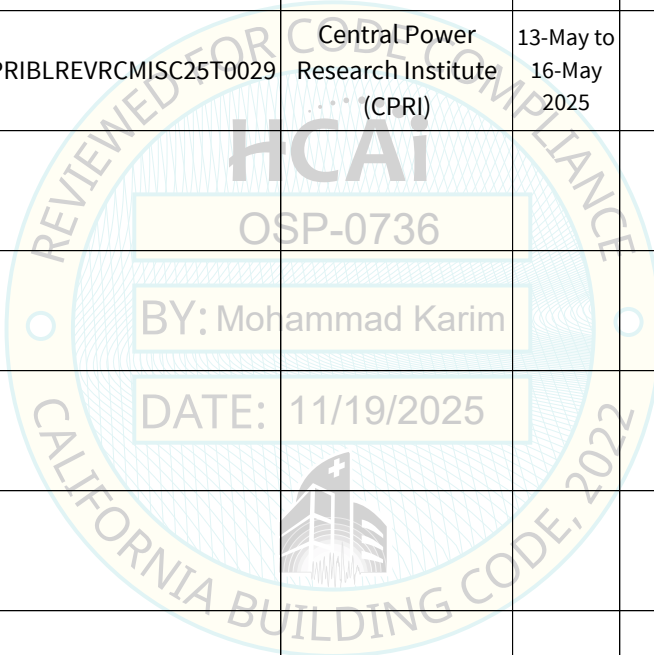
2001373-CR-001-R2



Manufacturer: Schneider Electric Private Limited

Model Line: Galaxy VL

UUT	Unit Description	Report Number	Testing Lab	Tested	ISO 17025 Accredited?	S _{DS}	z/h	I _p
1	GVL200K500D (with 10 PM Installed)	CPRIBLREVRCMISC20T0057	Central Power Research Institute (CPRI)	19-Oct to 26-Oct 2020	Yes	1.28 1.90	1.0 0.0	1.5
2	GVLFRM200K500D + GVLMBCA200K500G	CPRIBLREVRCMISC20T0063	Central Power Research Institute (CPRI)	29-Oct to 3-Nov 2020	Yes	1.28 1.90	1.0 0.0	1.5
3	GVLFRM200K500D (x2) w/ TME45726 (x2) + GVLIOCA2MW	CPRIBLREVRCMISC25T0029	Central Power Research Institute (CPRI)	13-May to 16-May 2025	Yes	1.28 1.90	1.0 0.0	1.5



Notes:

UNIT UNDER TEST (UUT) SUMMARY SHEET

2001373-CR-001-R2



Manufacturer:	Schneider Electric Private Limited	UUT 1
Product Function:	Uninterruptible Power Supply (UPS)	
Model Line:	Galaxy VL	
Model Number:	GVL200K500D (with 10 PM Installed)	
Serial Number:	ID2035008282	
Test Report: CPRI BLREVRCMISC20T0057		

UUT Properties						
Weight (lbs.)	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width	Height	Front-Back	Side-Side	Vertical
1,565	31.5	33.5	77.6	12.49	7.69	30.88

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 2022	ICC-ES AC156	1.28	1.0	1.5	2.05	1.54	1.27	0.51	
		1.90	0.0						

Product Construction Summary:	Test Mounting Details:
Cabinet frames and panels are cold-formed carbon steel w/ 1.5-2.5mm thick frame members. Ten (10) power modules installed for 500kw rating.	

Options/Subcomponent Summary:			
Description	Mfr.	Part Number	
Contact Assembly	Schneider Electric	ON-87879	
Display	Schneider Electric	ON-2084	
Frames	Schneider Electric	GVLFRM200K500D	
Port Expander	Schneider Electric	ON-87860	
Power Modules	Schneider Electric	OG-PM50KD2	
PSU Box	Schneider Electric	ON-87861	
Static Switch	Schneider Electric	OG-SBS500KD	
UC Box	Schneider Electric	ON-2124	
			UUT1 was base mounted - rigid using five (5) M12 bolts to the front seismic bracket (P/N: 870-50100) and four (4) M12 bolts to the rear seismic bracket (P/N: OM-50015). Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

2001373-CR-001-R2



Manufacturer:	Schneider Electric Private Limited	UUT 2
Product Function:	Uninterruptible Power Supply (UPS)	
Model Line:	Galaxy VL	
Model Number:	GVLFRM200K500D + GVLMBCA200K500G	
Serial Number:	UPS: ID2035008282 MBC: BD2031002647	
Test Report: CPRIBLREVRCMISC20T0063		

UUT Properties						
Weight (lbs.) ¹	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width ¹	Height	Front-Back	Side-Side	Vertical
1,962	31.5	53.2	77.6	10.64	8.26	31.10

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 2022	ICC-ES AC156	1.28	1.0	1.5	2.05	1.54	1.27	0.51	
		1.90	0.0						

Product Construction Summary:	Test Mounting Details:
Cabinet frames and panels are cold-formed carbon steel w/ 1.5-2.5mm thick frame members. Ten (10) power modules installed for 500kw rating.	

Options/Subcomponent Summary:		
Description	Mfr.	Part Number
Circuit Breaker	Schneider Electric	PJ1200
Contact Assembly	Schneider Electric	0N-87879
Display	Schneider Electric	0N-2084
Frames	Schneider Electric	GVLFRM200K500D, GVLMBCA200K500G
Port Expander	Schneider Electric	0N-87860
Power Modules	Schneider Electric	0G-PM50KD2
PSU Box	Schneider Electric	0N-87861
Static Switch	Schneider Electric	0G-SBS500KD
UC Box	Schneider Electric	0N-2124

Test Mounting Details:	
¹ Weight and Width listed are the total for MBC and UPS. - MBC: 397 lbs., 19.7" Wide - UPS: 1,565 lbs., 33.5" Wide	UUT2 was base mounted - rigid using four (4) M12 bolts to the front seismic bracket (P/N: 870-50101) and five (5) M12 bolts to the front seismic bracket (P/N: 870-50100). Also mounted using four (4) M12 bolts to the rear seismic bracket (P/N: OM-50015) and two (2) M12 bolts to the rear seismic bracket (P/N: OM-50014). Unit maintained structural integrity and remained functional per manufacturer requirement after shake table test. Contents were included in testing per operating conditions.

UNIT UNDER TEST (UUT) SUMMARY SHEET

2001373-CR-001-R2



Manufacturer:	Schneider Electric Private Limited	UUT 3
Product Function:	Uninterruptible Power Supply (UPS)	
Model Line:	Galaxy VL	
Model Number: ¹	GVLFRM200K500D (x2) w/ TME45726 (x2) + GVLI0CA2MW	
Serial Number:	UPS: BD2426005829 & BD2426005830 IOC: GD2511000274	
Test Report: CPRIBLREVRCMISC25T0029		

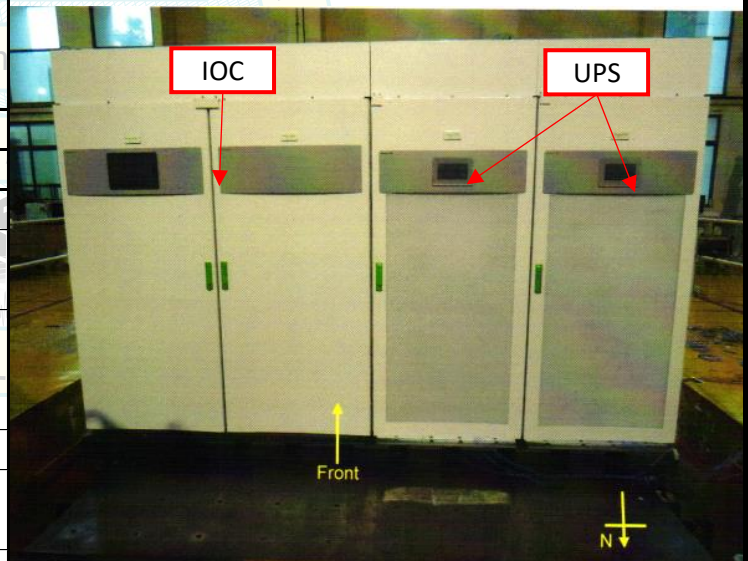
UUT Properties						
Weight (lbs.) ²	Dimension (in)			Lowest Natural Frequency (Hz)		
	Depth	Width ²	Height	Front-Back	Side-Side	Vertical
6,971	33.1	133.8	89.3	3.82	6.88	22.15

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 2022	ICC-ES AC156	1.28	1.0	1.5	2.05	1.54	1.27	0.51	
		1.90	0.0						

Product Construction Summary:	Test Mounting Details:
Cabinet frames and panels are cold-formed carbon steel w/ 1.5-2.5mm thick frame members. Ten (10) power modules installed for 500kw rating.	

Options/Subcomponent Summary:		
Description	Mfr.	Part Number
Backfeed Breaker	Schneider Electric	PLF34080CU33AAC (x2)
Display	Schneider Electric	0N-2084A (x2), HMIST6500
Frames	Schneider Electric	GVLFRM200K500D (x2) w/ TME45726 (x2), GVLI0CA2MW
Port Expander	Schneider Electric	0N-87860 (x2)
Power Modules	Schneider Electric	0G-PM50KD2 (x20)
PSU Box	Schneider Electric	0N-87861A (x6), ABLU3A24050 (x2)
SL Controller	Schneider Electric	0N-2119A (x2)
Static Switch	Schneider Electric	0G-SBS500KD1 (x2)
UC Box	Schneider Electric	0N-2124B (x2)

Test Mounting Details:
¹ GVLFRM200K500D with TME45726 is identical to GVL300K500KG.
² Weight and Width listed are the total for IOC and UPS.
- IOC: 2,605.9 lbs., 66.89" Wide
- UPS (x1): 2,182.6 lbs., 33.43" Wide



UUT3 was base mounted - rigid.

UPS: Using eight (8) M12 Grade 8.8 bolts to the front seismic bracket (P/N: TME59301A) and eight (8) M12 Grade 8.8 bolts to the rear seismic bracket (P/N: TME59302A).

IOC: Using seven (7) M12 Grade 8.8 bolts to the front seismic bracket (P/N: TME59260A) and eight (8) M12 Grade 8.8 bolts to the rear seismic bracket (P/N: TME58793A).

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