

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

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0201
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Functional Devices, Inc.	
Manufacturer's Technical Representative: Samuel Klennert	
Mailing Address: 101 Commerce Drive, Sharpsville, IN 46068	
Telephone: (765) 416-6810 Email: s.klennert@func	tionaldevices.com
Product Information	
Product Name: Plus Series Isolated Power System Panels	
Product Model Number(s): See attached	E.
Product Category: Power Isolation and Correction Systems	i Cr
Product Sub-Category: Power Isolation and Correction Systems	
General Description: Units are 40 VA to 500VA AC power supplies with	transformers capable of converting voltage
Mounting Description: Wall Mounted Rigid -	
Tested Seismic Enhancements: None	255 A
Applicant Information	
Applicant Company Name: DCL Labs, LLC	-D
Contact Person: Kelly Laplace	
Mailing Address: 1315 Greg Street, Suite 109, Sparks, NV 89431	
Telephone: (775) 358-5085 Email: kelly.laplace@th	evmcgroup.com
Title: Vice President of Sales: Test and Measurement Division	



"A healthier California where all receive equitable, affordable, and quality health care"



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

California Licensed Structural Engineer Re	esponsible for the Engineering and Test Report(s)									
Company Name: THE VMC GROUP										
Name: Kenneth Tarlow	Tarlow California License Number: <u>S2851</u>									
Mailing Address: 980 9th Street, 16th Floor, Sacra	amento, CA 95814									
Telephone: (832) 627-2214	Email: ken.tarlow@thevmcgroup.com									
Certification Method										
GR-63-Core X ICC-ES AC156	☐ IEEE 344									
Other (Please Specify):										
	FOR CODE CON									
Testing Laboratory										
Company Name: DYNAMIC CERTIFICATION LA	BORATORY (DCL)									
Contact Person: Josh Sailer										
Mailing Address: 1315 Greg St., Ste 109, Sparks	NV 89431									
Telephone: (775) 358-5085	Email: josh@shaketest.com									
CALIFORN	ATE: 06/16/2025									



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

"A healthier California where all receive equitable, affordable, and quality health care"

OSP-0201



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

Seismic Parameters

Design I	Basis of Equipment or Components	(Fp/Wp) = 1.39		
S	DS (Design spectral response accele	eration at short period, g) = 1.93		
ap	(Amplification factor) =	1.0		
R	(Response modification factor) =	2.5		
Ω	0 (System overstrength factor) =	2.0		
lp	(Importance factor) =	1.5		
z/	h (Height ratio factor) =	1 and 0		
N	atural frequencies (Hz) =	See Attachment		
0	verall dimensions and weight =	See Attachment		
HCAI A	pproval (For Office Use Only) -	Approval Expires on 06/16/2031		
Date:	6/16/2025	OSP-0201	5	
Name:	Mohammad Karim		Title:	Supervisor, Health Facilities
Special	Seismic Certification Valid Up to: SD	os (g) = 1.93	z/h =	1
Conditio	n of Approval (if applicable):	DATE: 06/16/2025		

06/16/2025

VG CODE



"A healthier California where all receive equitable, affordable, and quality health care" STATE OF CALIFORNIA - HEALTH AND HUMAN SERVICES AGENCY

RORNIA

Ri

OSP-0201

Special Seismic Certification Table 1 - Certified Components

DCL Project Number: 08111-2501

Manufacturer: Functional Devices

Product Line: PSH AC Power Supplies

Mounting: Rigid Wall Mounted

Certified Seismic Levels: Sds=1.93g with z/h=1.0

Model Number		Dimensions [in.]		Weight	C	Unit
	Depth	Width	Height	[lb.]	Gage	Omit
PSH40A	4.5	4.5	5.4	3.1		UUT 1
PSH75A	4.5	4.5	5.4	4.5		Interpolated
PSH100A	4.5	4.5	5.4	4.6		Interpolated
PSH40A-40A	4.5	4.5	8.6	5.4		Interpolated
PSH40A-75A	4.5	4.5	8.6	6.8	18	Interpolated
PSH40A-100A	4.5	4.5	8.6	6.9		Interpolated
PSH75A-75A	4.5	4.5	8.6	8.4		Interpolated
PSH75A-100A	4.5	4.5	8.6	8.5		Interpolated
PSH100A-100A	4.5	4.5K	8.6	8.6		Interpolated
PSH300A	6.0	12.0	12.0	18.1		Interpolated
PSH300A-LVC ¹	6.0	12.0	12.0	19.6		Interpolated
PSH300AB10-LVC ¹	6.0	12.0	12.0	19.7	16	Interpolated
PSH500A	6.0	12.0	12.0	30.2	10	UUT 2
PSH500A-LVC ¹	6.0	12.0	12.0	31.5		Extrapolated
PSH500AB10-LVC ¹	6.0	12.0 SP	-0/212.0	31.6		Extrapolated

1. B10 = 10 amp main breaker switch, LVC = low voltage compartment and Karim

2. Subcomponents in extrapolated units are bookended by UUT1 and UUT2 tests.





((

Special Seismic Certification Table 2 - Certified Subcomponents



DCL Project Number: 08111-2501

Manufacturer: Functional Devices

			Enclosure	es				
Model Number	Dimensions			6	Matarial	Marticles 7 11, 12	l la it	
wodel Number	Depth	epth Width Height		Gage	Material	Weight [lb.] ²	Unit	
140793/140792 ¹	3.8	5.1	4.3	10	10		UUT 1	
140827/140787 ¹	3.8	8.3	4.3	18		2.2	Interpolate	
141432	6.0	12.0	12.0			9.8	Interpolate	
141460	6.0	12.0	12.0		Cold Rolled Carbon Steel (NEMA 1)	9.8	Interpolate	
140946	6.0	12.0	12.0	16	Steel (NEIMA I)	10.7	UUT 2	
141432-LVC ³	6.0	12.0	12.0			11.0	Extrapolate	
141460-LVC ³	6.0	12.0	12.0			11.0	Extrapolate	
			Transform	ers				
Mandal Manakara		Dimensions			Marked all	Weight [lb.]		
Model Number	Depth	Width	Height		Material		Unit	
TR40VA020	2.4	3.3	1.9			1.5	UUT 1	
560021	2.5	4.0	2.5				Interpolate	
560058	2.7	4.1	2.6		eet Steel Core Wound neled Copper Wire	2.6	Interpolate	
TR300VA003	4.5	3.5	4.0		neled copper wire	8.2	Interpolate	
TR500VA003	5.3	4.3	4.4				UUT 2	
			Receptacl	es				
		Dimensions						
Model Number	Depth	Width	Height		Material	Weight [lb.]	Unit	
210309	1.0	1.0	viona <mark>is</mark> ima	a karim	Plastic O	<1	UUT1, UUT	
			Switches	;				
Mandal Manakara		Dimensions						
Model Number	Depth	Width	Height		Material	Weight [lb.]	Unit	
517012	0.6	1.3	1.3	1975699766	Plastic	<1	UUT1, UUT	
			Breakers	5				
Redal Number	Dimensions						1 Junit	
Model Number	Depth	Width	Height		Material	Weight [lb.]	Unit	
517013	0.8	0.8	2.0		Plastic	<1	UUT1, UUT	

1. Enclosure models are physically identical; model numbering difference is based on marketing only.

2. All enclosures come with an associated lid. The lid is included in the weight of the enclosure.

3. LVC = low voltage compartment; these enclosures have extra dividers inside the enclosure to separate the low and high voltage compartments.

Special Seismic Certification Table 3 - Tested Units

DCL Project Number: 08111-2501

Manufacturer: Functional Devices

Product Line: PSH AC Power Supplies

Material: Cold Rolled Carbon Steel (NEMA 1)

Report Number: 14331-1101

Mounting: Rigid Wall Mounted

Certified Seismic Levels: Sds=1.93g with z/h=1.0									
Model Number	Gage		Dimensions [in.]	Weight	Unit				
woder Number	Gage	Depth	Width	Height	[lb.]	Onic			
PSH40A	18	4.5	4.5	5.4	3.1	UUT 1			
PSH500A	16	6.0	12.0	12.0	30.2	UUT 2			





UNIT UNDER TEST (UUT) Summary Sheet

(()) DCL

UUT 1

DCL Project Number: 08111-2501

DCL Repot Number: 14331-1101

Manufacturer: Functional Devices

Product Line: PSH AC Power Supplies

Model Number: PSH40A

Product Construction Summary: 18 gage cold-rolled carbon steel, coated with smooth powder paint

Options / Component Summary: Enclosed single 40 VA power supply, 120 to 24 Vac

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

UUT Properties										
Operating Weight		Dimensi	Dimensions (inches)			Lowest Natural Frequency (Hz)				
(lb)	Depth	Width R C D F Height			Front-Back	Side-Side	Vertical			
3.1	4.5	4.5 5.4		N/A	N/A	N/A				
	Seismic Test Parameters									
Building Code	Test Criteria	Sds (g)	z/h	-lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)		
CBC 2022	ICC-ES AC156	1.93	1/10/1	1.5	3.09	2.32	1.29	0.51		

Unit Mounting Description: UUT 1 was rigidly mounted to the wall fixture using (3) #14 sheet metal screws.



Overall view of UUT 1

UNIT UNDER TEST (UUT) Summary Sheet

UUT 2



DCL Project Number: 08111-2501

DCL Repot Number: 14331-1101

Manufacturer: Functional Devices

Product Line: PSH AC Power Supplies

Model Number: PSH500A

Product Construction Summary: 16 gage cold-rolled carbon steel, coated with smooth powder paint

Options / Component Summary: Enclosed 500VA power supply with five 100A Class 2 outputs, 480/277/240/120 Vac to 24Vac

Note: The UUT was operational before and after shaking and was full of operating content during the tests. The structural integrity of the component attachment system and force-resisting systems was maintained.

			דטט	Properties						
Operating Weight		Dimensions (inches)				Lowest Natural Frequency (Hz)				
(lb)	Depth	Width KCPDC Height			Front-Back	Side-Side	Vertical			
30.2	6.0	12	.0	12.0		N/A	N/A	N/A		
	Seismic Test Parameters									
Building Code	Test Criteria	Sds (g)	z/h	lp	Aflx-H (g)	Arig-H (g)	Aflx-V (g)	Arig-V (g)		
CBC 2022	ICC-ES AC156	1.93		1.5	3.09	2.32	1.29	0.51		
í			UOF	-0201			-			

Unit Mounting Description: UUT 2 was rigidly mounted to the wall fixture using (4) #14 sheet metal screws.

