



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION**

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0536

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Go2Power, LLC

Manufacturer's Technical Representative: Guy Teipel

Mailing Address: 2575 Metropolitan Drive, Trevoze, PA 19053

Telephone: (800) 967-5573

Email: gteipel@go2power.com

Product Information

Product Name: UPS and Batteries

Product Type: Lighting Inverter Systems

Product Model Number: Various (See Attachment)

General Description: Lighting Inverter System. ; Mohammad Karim

Mounting Description: Rigid, Floor/Wall Mounted

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: Pre Compliance

Contact Person: Katie Braman

Mailing Address: 36 SW Wall St, Bend, OR 97702

Telephone: (541) 241-2310

Email: katie@go-pre.com

Title: Principal





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

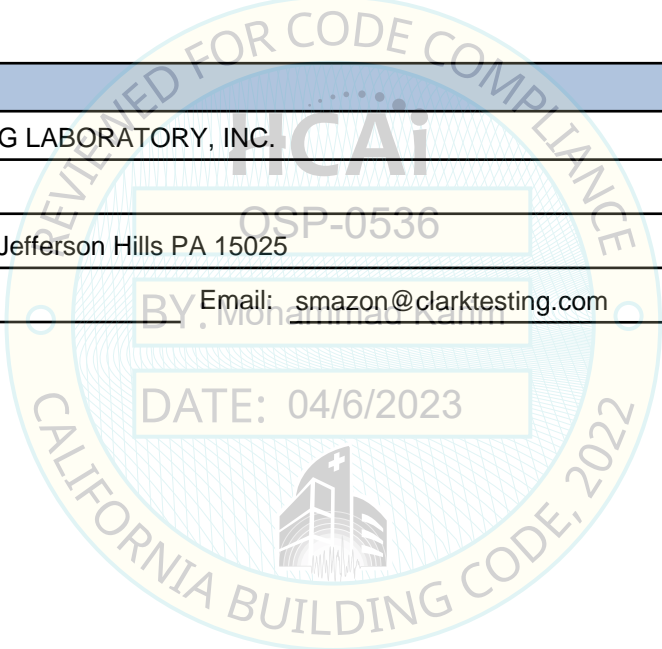
Company Name: PRE COMPLIANCE
Name: Andrew Coughlin California License Number: S6082
Mailing Address: 36 SW Wall Street, Bend, OR 97702
Telephone: (415) 635-8461 Email: Andy@go-pre.com

Certification Method

GR-63-Core ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
 Other (Please Specify): _____

Testing Laboratory

Company Name: CLARK TESTING LABORATORY, INC.
Contact Person: Suzanne Mazon
Mailing Address: 1801 Route 51, Jefferson Hills PA 15025
Telephone: (412) 387-1001 Email: smazon@clarktesting.com





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.44

SDS (Design spectral response acceleration at short period, g) = 2.00

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) = 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

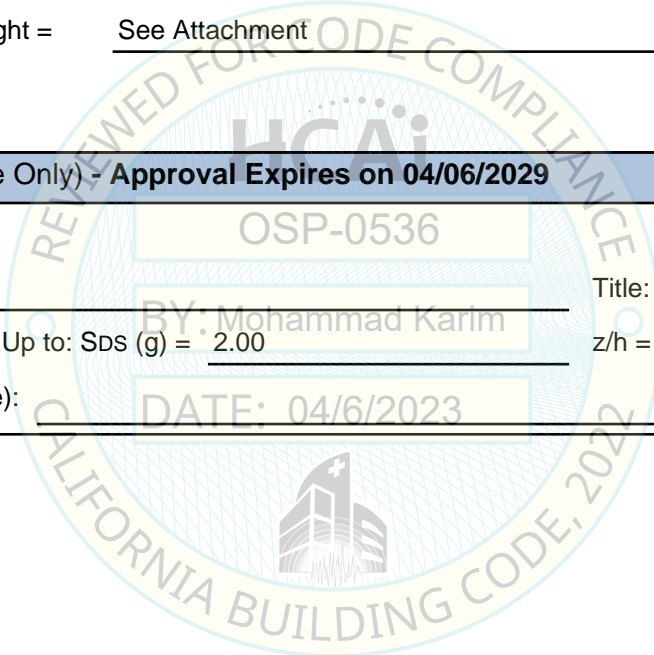
HCAI Approval (For Office Use Only) - Approval Expires on 04/06/2029

Date: 4/6/2023

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.00 z/h = 1

Condition of Approval (if applicable): DATE: 04/6/2023



Manufacturer: Go2Power, LLC
Product Type: Lighting Inverter Systems
Model Line: Pure Wave Mini, LiteMinder, LiteMinder Modular

Seismic Parameters

$S_{DS} = 2.0 \text{ g for } z/h=1$
 $S_{DS} = 2.0 \text{ g for } z/h=0$

$I_p = 1.5$

Building Code

CBC 2022

TABLE 1 Mounting Configuration: Varies - See Product Tables

Construction Summary

Cabinets 125W-525W: 16 GA cold rolled steel construction; Cabinets 1KW and Greater: 14 GA cold rolled steel construction; Internal brackets and sub-assembly components: Galvanized/Galvanneal cold rolled steel

Options Summary

Internal components as detailed in Certified Sub-Component tables.

Model Line	Model	Max. Dimensions (in)			Wt. (lb)	Wattage (W)	Notes	UUT
		D	W	H				
Pure Wave Mini	PW12	4.1	14.3	10.1	32	125	Wall Mounted - Rigid	1
	PW25	8.6	17.1	11.1	63	250		2
LiteMinder	LM32	12.5	17.9	17.7	105	325		3
	LM52	12.5	17.9	17.7	133	525		4
LiteMinder Modular	LM1000-1P	13.8	32.0	55.0	340	1000	Single Phase Floor Mounted - Rigid	Extrap.
	LM1600-1P	13.8	32.0	55.0	520	1600		Extrap.
	LM2200-1P	13.8	32.0	55.0	600	2200		Extrap.
	LM2800-1P	13.8	32.0	55.0	678	2800		Extrap.
	LM3000-1P	13.8	32.0	55.0	696	3000		Extrap.
	LM3200-1P	14.0	32.0	55.0	696	3200		Extrap.
	LM4200-1P	23.0	32.0	50.0	980	4200		Extrap.
	LM5200-1P	23.0	32.0	50.0	1140	5200		Extrap.
	LM6250-1P	23.0	32.0	50.0	1300	6250		5
	LM8250-1P	23.0	64.0	50.0	1945	8250		Interp.
	LM10500-1P	23.0	64.0	50.0	2265	10500	Interp.	
	LM12500-1P	23.0	64.0	50.0	2585	12500	6	
	LM2200-1S/2P/3P	13.0	48.0	38.0	650	2200	Multi-Phase Floor Mounted - Rigid	Interp.
	LM3000-1S/2P/3P	13.0	48.0	38.0	811	3000		Interp.
	LM4200-1S/2P/3P	23.0	64.0	50.0	1460	4200		Interp.
	LM5200-1S/2P/3P	23.0	64.0	50.0	1625	5200		Interp.
	LM6250-1S/2P/3P	23.0	64.0	50.0	1785	6250		Interp.
	LM8250-1S/2P/3P	23.0	64.0	50.0	2097	8250		Interp.
LM10500-1S/2P/3P	23.0	64.0	50.0	2415	10500	Interp.		
LM12500-1S/2P/3P	23.0	64.0	50.0	2726	12500	Interp.		
LM15750-1S/2P/3P	23.0	96.0	50.0	3473	15750	Interp.		
LM18750-1S/2P/3P	23.0	96.0	50.0	3945	18750	7		

Manufacturer: Go2Power, LLC
Product Type: Lighting Inverter Systems
Model Line: Pure Wave Mini, LiteMinder

Seismic Parameters

$S_{DS} = 2.0g$ for $z/h=1$
 $S_{DS} = 2.0g$ for $z/h=0$
 $I_p = 1.5$

Building Codes

CBC 2022

TABLE 2

Table Description: Subcomponents (Wall Mounted Units)

Component (Manufacturer)	Model	Description	Notes	UUT
Model Line: Power Wave Mini				
Printed Circuit Board Assembly (Weico)	A250112		Listed in order of weight	1
	A250111			Interp.
	A250114			Interp.
	A250113			2
Infra-Red PCB (Shore PCB)	A250116			1,2
Main Transformer (Hui-Hui)	T110014			1
	T110015			Interp.
	T110016			Interp.
	T110017			2
Audible Alarm (CUI Battery (Leoch))	CEP-2242			1,2
	LP12-14			1,2
Model Line: Light Minder				
Printed Circuit Board Assembly (Weico)	A250104			3,4
	A250105			3,4
Circuit Breakers (ABB)	SU201M-K3	Din-Rail Mounted, Supplementary, D Curve, 1-Pole, Single Pkg, UL 489, Screw	3 amp	Extrap.
	SU201M-K4		4 amp	3
	SU201M-K6		6 amp	3
	SU201M-K8		8 amp	4
Circuit Breaker Distribution (Eaton)	FAZ	10-63A		3,4
Circuit Breaker Distribution (ABB)	S201UP-K	10-63A		3,4
Capacitor (Cornell Dubilier)	SFC37T30K291B-F			4
	SFA44T12.5K388B-F			3
Terminal Block (Weidumuller)	WDU-4			3,4
Main Transformer (Galaxy)	T110011			4
	T110012			3

Manufacturer: Go2Power, LLC
Product Type: Lighting Inverter Systems
Model Line: Pure Wave Mini, LiteMinder

Seismic Parameters

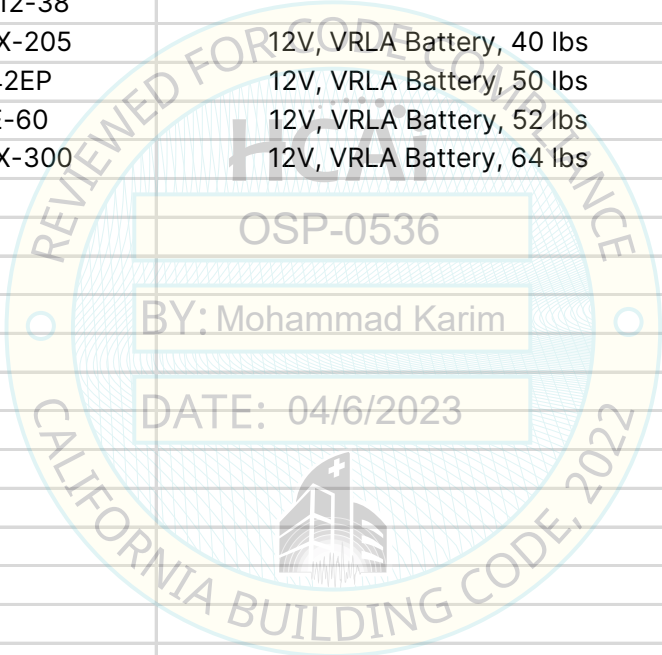
$S_{DS} = 2.0g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.0g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 2

Table Description: Subcomponents (Wall Mounted Units)

Component (Manufacturer)	Model	Description	Notes	UUT
Battery (Leoch)	LPL12-55			4
	LPL12-38			3
Battery (Enersys)	12HX-205	12V, VRLA Battery, 40 lbs		Extrap.
	G42EP	12V, VRLA Battery, 50 lbs		Extrap.
	XE-60	12V, VRLA Battery, 52 lbs		3
	12HX-300	12V, VRLA Battery, 64 lbs		4
				

Manufacturer: Go2Power, LLC
Product Type: Lighting Inverter Systems
Model Line: LiteMinder Modular

Seismic Parameters

$S_{DS} = 2.0g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.0g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 3 Table Description: Subcomponents (Base Mounted Units)

Component (Manufacturer)	Model	Description	Notes	UUT
Main Transformer (Yi-Huang)	T110024	24 lbs.		7
	T110040	32 lbs.		Interp.
	T110025	48 lbs.		7
	T110039	50 lbs.		Interp.
	T110041	50 lbs.		Interp.
	T110042	50 lbs.		Interp.
	T110034	60 lbs.		Interp.
	T110033	68 lbs.		5,7
	T110043	80 lbs.		Interp.
	T110044	80 lbs.		Interp.
	T110035	125 lbs.		6
Transformer, Multi-Winding (Hui-Hui)	T110022			5,6,7
Transformer, Auto 277/120 (Hui-Hui)	T110038			5,6
Transformer Current Sense (Galaxy)	T110021			5,6,7
Power Distribution Block (Erico)	UDJ-160A			5,6,7
Printed Circuit Board Assembly (Shore PCB)	A250133			5,6,7
	A250129			7
	A250132			7
	A250118			5,6,7
	A250120			5,6,7
	A250121			5,6
	A250131			7
	A250139			5,6
DP Contactor (Lovato)	DPBF3200A12060	3 Pole, 120VAC coil		5
	DPBF650012060			6,7
Trip Alarm Auxiliary Contact (ABB)	S2C-H6R			5,6

Manufacturer: Go2Power, LLC
Product Type: Lighting Inverter Systems
Model Line: LiteMinder Modular

Seismic Parameters
 $S_{DS} = 2.0g$ for $z/h=1$
 $S_{DS} = 2.0g$ for $z/h=0$
 $I_p = 1.5$

Building Codes
CBC 2022

TABLE 3 Table Description: Subcomponents (Base Mounted Units)

Component (Manufacturer)	Model	Description	Notes	UUT
Trip Alarm Auxiliary Contact (Eaton)	Z-NHK			5,6
Capacitor, Electrolytic (CDE)	520C103M200DC2HS			5,7
	520C572T400DF2HS			6
Capacitor, Film (CDE)	SFA37T6K219B-F			5
	SFA44T12.5K388B-F	370VAC		Interp.
	SFC37T30K291B-F	OSP-0536		6
Capacitor, Film (CDE)	SCD205K601	600VDC		5,6,7
Heatsink (AAVID)	M990020			5,6,7
SCR (Powerex)	CD43-16-90C			5,6
	CD63-16-15C			7
Fuse Block (Marathon)	F60A1B	60A		5,6,7
Fuse Block (Marathon)	NON60/NLN60	60A		5,6,7
Circuit Breaker Distribution (Eaton)	FAZ	10-63A		5,6,7
Circuit Breaker Distribution (ABB)	S201UP-K	10-63A		5,6,7
Circuit Breaker Main (Eaton)	EGH			5,6,7
Maintenance Bypass Switch MB4B (Kraus and Naimer)	C80-US20030-600E			7
	C80-US20030-600E			Interp.
	CA20-US9959-600E			Interp.
	CA20-US20020-E			5
Terminal Block (Weidumuller)	WDU-16			5,6,7
Battery (Leoch)	LPF12-100			5,6,7
	LPF12-55			7
Relay (Omron)	G9EA-1-B	DC, 60A		5,6,7

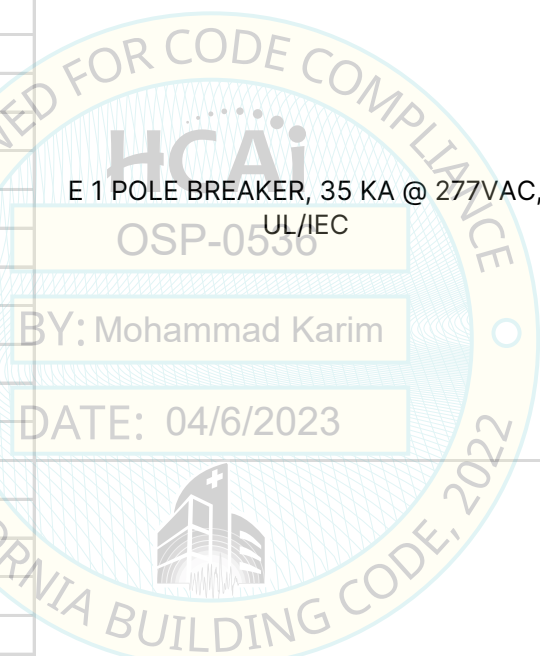
Manufacturer: Go2Power, LLC
Product Type: Lighting Inverter Systems
Model Line: LiteMinder Modular

Seismic Parameters
 $S_{DS} = 2.0g$ for $z/h=1$
 $S_{DS} = 2.0g$ for $z/h=0$
 $I_p = 1.5$

Building Codes
CBC 2022

TABLE 4 Table Description: Circuit Breaker (Base Mounted Units)

Component (Manufacturer)	Model	Description	Amperage (Amp)	UUT	
Circuit Breaker (Eaton)	EGS1020FFG	E 1 POLE BREAKER, 35 KA @ 277VAC, UL/IEC OSP-0536	20	Extrap.	
	EGS1025FFG		25	Extrap.	
	EGS1030FFG		30	Extrap.	
	EGS1035FFG		35	Extrap.	
	EGS1040FFG		40	Extrap.	
	EGS1045FFG		45	Extrap.	
	EGS1050FFG		50	Extrap.	
	EGS1060FFG		60	Extrap.	
	EGS1070FFG		70	Extrap.	
	EGS1080FFG		80	Extrap.	
	EGS1090FFG		90	Extrap.	
	EGS1100FFG		100	Extrap.	
	EGS1125FFG		125	5	
	EGS2020FFG		E 2 POLE BREAKER, 35 KA @ 480VAC, UL/IEC	20	Interp.
	EGS2025FFG			25	Interp.
	EGS2030FFG	30		Interp.	
	EGS2035FFG	35		Interp.	
	EGS2040FFG	40		Interp.	
	EGS2045FFG	45		Interp.	
	EGS2050FFG	50		Interp.	
	EGS2060FFG	60		Interp.	
	EGS2070FFG	70		Interp.	
	EGS2080FFG	80		Interp.	
	EGS2090FFG	90		Interp.	
	EGS2100FFG	100		Interp.	
	EGS2125FFG	125		6	
	EGS3020FFG	E 3 POLE BREAKER, 35 KA @ 480VAC, UL/IEC		20	Interp.
	EGS3025FFG			25	Interp.
	EGS3030FFG		30	Interp.	
	EGS3035FFG		35	Interp.	
	EGS3040FFG		40	Interp.	
	EGS3045FFG		45	Interp.	
	EGS3050FFG		50	Interp.	
	EGS3060FFG		60	Interp.	



Manufacturer: Go2Power, LLC
Product Type: Lighting Inverter Systems
Model Line: LiteMinder Modular

Seismic Parameters
 $S_{DS} = 2.0g$ for $z/h=1$
 $S_{DS} = 2.0g$ for $z/h=0$
 $I_p = 1.5$

Building Codes
CBC 2022

TABLE 4 Table Description: Circuit Breaker (Base Mounted Units)

Component (Manufacturer)	Model	Description	Amperage (Amp)	UUT
Circuit Breaker (Eaton)	EGS3070FFG	E 3 POLE BREAKER, 35 KA @ 480VAC, UL/IEC	70	Interp.
	EGS3080FFG		80	Interp.
	EGS3090FFG		90	Interp.
	EGS3100FFG		100	Interp.
	EGS3125FFG		125	7
	FAZ-D3/1-NA-SP	Din-Rail Mounted, Supplementary, D Curve, 1-Pole, Single Pkg, UL 489, Screw	3	Extrap.
	FAZ-D4/1-NA-SP		4	Extrap.
	FAZ-D6/1-NA-SP		6	Extrap.
	FAZ-D8/1-NA-SP		8	Extrap.
	FAZ-D10/1-NA-SP		10	Extrap.
	FAZ-D20/1-NA-SP		20	Extrap.
	FAZ-D30/1-NA-SP		30	Extrap.
	FAZ-D40/1-NA-SP		40	Extrap.
	FAZ-D50/1-NA-SP		50	Extrap.
	FAZ-D60/1-NA-SP		60	5
	FAZ-D20/2-NA-SP		20	Interp.
	FAZ-D30/2-NA-SP		30	Interp.
	FAZ-D40/2-NA-SP		40	Interp.
	FAZ-D50/2-NA-SP		50	Interp.
	FAZ-D60/2-NA-SP		60	Interp.
	FAZ-D20/3-NA-SP		20	Interp.
	FAZ-D30/3-NA-SP		30	Interp.
	FAZ-D40/3-NA-SP		40	Interp.
	FAZ-D50/3-NA-SP	50	Interp.	
FAZ-D60/3-NA-SP	60	6		
Circuit Breaker (ABB)	SU201M-K10	Din-Rail Mounted, Supplementary, D Curve, 1-Pole, Single Pkg, UL 489, Screw	10	Extrap.
	SU201M-K20		20	5,6
	SU201M-K30		30	Interp.
	SU201M-K40		40	Interp.
	SU201M-K50		50	Interp.
	SU201M-K60		60	5
	SU202M-K20	Din-Rail Mounted, Supplementary, D Curve, 2-Pole, Single Pkg, UL 489, Screw	20	Interp.
	SU202M-K30		30	Interp.
	SU202M-K40		40	Interp.

Manufacturer: Go2Power, LLC
Product Type: Lighting Inverter Systems
Model Line: LiteMinder Modular

Seismic Parameters

$S_{DS} = 2.0g$ for $z/h=1$ $I_p = 1.5$
 $S_{DS} = 2.0g$ for $z/h=0$

Building Codes

CBC 2022

TABLE 4

Table Description: Circuit Breaker (Base Mounted Units)

Component (Manufacturer)	Model	Description	Amperage (Amp)	UUT
Circuit Breaker (ABB)	SU202M-K50	Din-Rail Mounted, Supplementary, D	50	Interp.
	SU202M-K60	Curve, 2-Pole, Single Pkg, UL 489, Screw	60	Interp.
	SU203M-K20	Din-Rail Mounted, Supplementary, D Curve, 3-Pole, Single Pkg, UL 489, Screw	20	Interp.
	SU203M-K30		30	Interp.
	SU203M-K40		40	Interp.
	SU203M-K50		50	Interp.
	SU203M-K60		60	6
		OSP-0536		
		BY: Mohammad Karim		
		DATE: 04/6/2023		

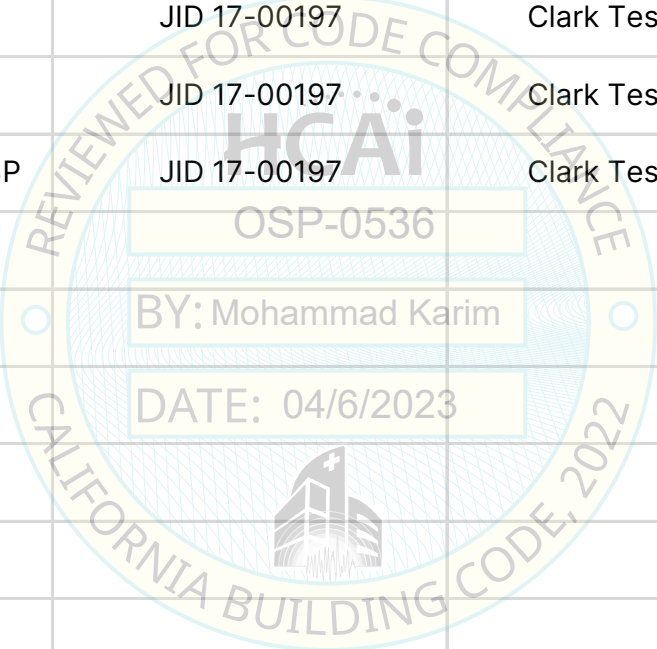


PRE
COMPLIANCE

SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

Pre No. CC231303-01-R0

UUT	Model	Test Report	Test Laboratory	S _{DS}	z/h	I _p
1	PW12	JID 17-00197	Clark Testing	2.0 2.0	1.0 0.0	1.5
2	PW25	JID 17-00197	Clark Testing	2.0 2.0	1.0 0.0	1.5
3	LM32	JID 17-00197	Clark Testing	2.0 2.0	1.0 0.0	1.5
4	LM52	JID 17-00197	Clark Testing	2.0 2.0	1.0 0.0	1.5
5	LM6250-1P	JID 17-00197	Clark Testing	2.0 2.0	1.0 0.0	1.5
6	LM12500-1p	JID 17-00197	Clark Testing	2.0 2.0	1.0 0.0	1.5
7	LM18750-2P/2S/3P	JID 17-00197	Clark Testing	2.0 2.0	1.0 0.0	1.5



Notes:

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

Pre No. CC231303-01-R0

UUT 1

Test Report# JID 17-00197

Manufacturer: Go2Power, LLC
Model Line: Pure Wave Mini
Model Number: PW12
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1					
2.0	0	1.5	3.20	2.40	1.33	0.53

Dimensions/Weights			
Width (in)	Depth (in)	Height (in)	Weight (lbs.)
14.3	4.1	10.1	32

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Code
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Cabinet constructed of 16 Gauge cold rolled carbon steel.

UUT Mounting Details:

List of Included Subcomponents



Description (Manufacturer)	Model #
PCBA (Weico)	A250112
Main Transformer (Hui-Hui)	T110014
Audible Alarm (CUI)	CEP-2242
Infra-Red PCB (Shore PCB)	A250116
Batteries (Leoch)	LP12-14

Unit wall mounted - rigid to fixture using four (4) 1/4" - 20 grade 5 bolts, washers, and lockwashers torqued to 8ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 2

Test Report# JID 17-00197

Manufacturer: Go2Power, LLC
Model Line: Pure Wave Mini
Model Number: PW25
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.33	0.53
2.0	0	1.5				

Dimensions/Weights			
Width (in)	Depth (in)	Height (in)	Weight (lbs.)
47.1	8.6	11.1	63

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Code
 CBC 2022

Test Criteria
 ICC-ES AC156

Construction/Option Summary
 Cabinet constructed of 16 Gauge cold rolled carbon steel.

UUT Mounting Details:



List of Included Subcomponents

Description (Manufacturer)	Model #
PCBA (Weico)	A250114
Main Transformer (Hui-Hui)	T110017
Audible Alarm (CUI)	CEP-2242
Infra-Red PCB (Shore PCB)	A250116
Batteries (Leoch)	LP12-14

Unit wall mounted - rigid to fixture using four (4) 1/4" - 20 grade 5 bolts, washers, and lockwashers torqued to 8ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 3

Test Report# JID 17-00197

Manufacturer: Go2Power, LLC
Model Line: LiteMinder
Model Number: LN32
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1					
2.0	0	1.5	3.20	2.40	1.33	0.53

Dimensions/Weights			
Width (in)	Depth (in)	Height (in)	Weight (lbs.)
17.9	12.5	17.7	105

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

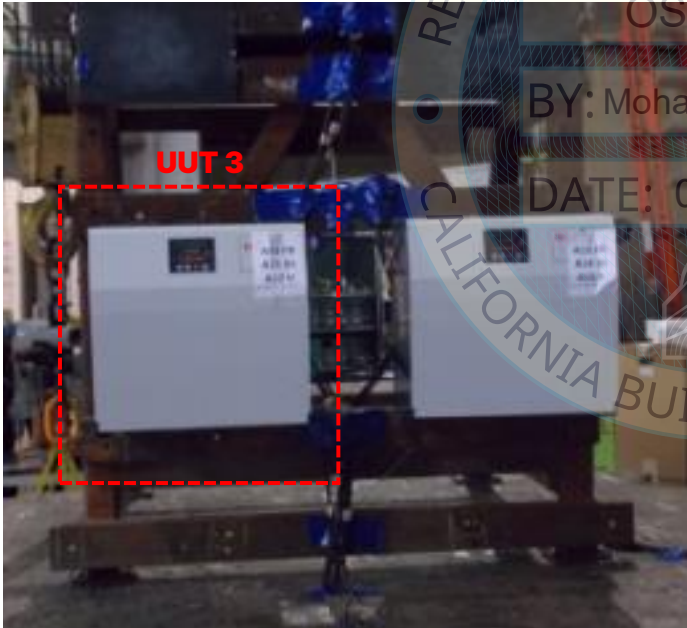
Building Code
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Cabinet constructed of 16 Gauge cold rolled carbon steel.

UUT Mounting Details:

List of Included Subcomponents



Description (Manufacturer)	Model #
PCBA (Weico)	A250104
	A250105
Main Transformer (Galaxy)	T110012
Circuit Breaker Distribution (Eaton)	FAZ
Circuit Breaker Distribution (ABB)	S201UP-K
Capacitor (Cornell Dubillier)	SFA44T12.5K388B-F
Terminal Block (Weidumuller)	WDU-4
Batteries (Leoch)	LPL12-38
Batteries (Energysys)	XE-60
Circuit Breakers (ABB)	SU201M-K4
	SU201M-K6

Unit wall mounted - rigid to fixture using two (2) 1/4" - 20 grade 5 bolts, washers, and lock washers torqued to 8ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

UUT 4

Test Report# JID 17-00197

Manufacturer: Go2Power, LLC
Model Line: LiteMInder
Model Number: LM52
Serial Number: N/A

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.33	0.53
2.0	0	1.5				

Dimensions/Weights			
Width (in)	Depth (in)	Height (in)	Weight (lbs.)
17.9	12.5	17.7	133

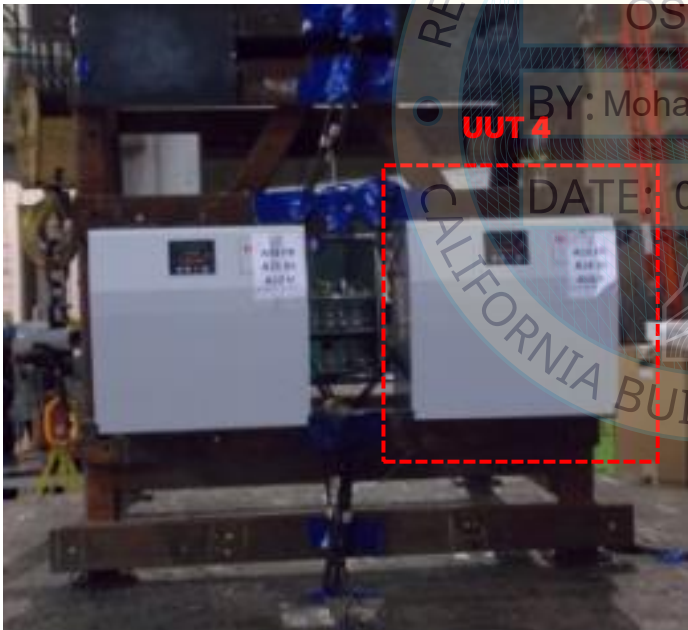
Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Code
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Cabinet constructed of 16 Gauge cold rolled carbon steel.

UUT Mounting Details:



Unit wall mounted - rigid to fixture using two (2) 1/4" - 20 grade 5 bolts, washers, and lock washers torqued to 8ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description (Manufacturer)	Model #
PCBA (Weico)	A250104
	A250105
Main Transformer (Galaxy)	T110011
CB Distribution (Eaton)	FAZ
CB Distribution (ABB)	S201UP-K
Capacitor (Cornell Dubillier)	SFC37T30K291B-F
Terminal Block (Weidumuller)	WDU-4
Batteries (Leoch)	LPL12-55
Batteries (Energys)	12HX-300
Circuit Breaker (ABB)	SU201M-K8

UUT 5

Test Report# JID 17-00197

Manufacturer: Go2Power, LLC
Model Line: LiteMinder Modular
Model Number: LM6250-1P
Serial Number: 17195-029

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.33	0.53
2.0	0	1.5				

Dimensions/Weights			
Width (in)	Depth (in)	Height (in)	Weight (lbs.)
32	23	50	1,300

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
13.36	16.79	>33.3

Building Code
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Cabinet constructed of 14 Gauge cold rolled carbon steel.

UUT Mounting Details:



Unit floor mounted - rigid to shake table using six (6) 1/2" - 13 grade hex head 5 bolts, washers, and lock washers torqued to 75ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description (Manufacturer)	Model #
Main Transformer (Yi-Huang)	T110033
Transformer (Hui-Hui)	T110022, T110038
Transformer (Galaxy)	T110021
Power Distribution Block (Erico)	UDJ-160A
PCBA (Shore PCB)	A250133, A250118, A250120, A250121, A250139, A250142
DP Contactor (Lovato)	DPBF3200A12060
Capacitors (CDE)	SFA37T6K219B-F, 520C103M200DC2HS, SCD205K601
Relay (Omron)	G9EA-1-B
Heatsink (AAVID)	M990020
SCR (Powerex)	CD43-16-90C
Fuse Block (Marathon)	F60A1B
Fuse Block (Bussman/Littlefuse)	NON60/NLN60
CB Distribution (Eaton)	FAZ
CB Distribution (ABB)	S201UP-K
Trip Alarm Auxiliary Contact (ABB)	S2C-H6R
Trip Alarm Auxiliary Contact (Eaton)	Z-NHK
Circuit Breaker (Eaton)	EGS1125FFG, FAZ-D50/1-NA-SP
Circuit Breaker (ABB)	SU201M-K20, SU201M-K60
Circuit Breaker Main (Eaton)	EGH
MBS (Kraus and Naimer)	CA20-US20020-E
Terminal Block (Weidumuller)	WDU-16
Batteries (Leoch)	LPF12-100

UUT 6

Test Report# JID 17-00197

Manufacturer: Go2Power, LLC
Model Line: LiteMinder Modular
Model Number: LM12500-1P
Serial Number: 17195-030

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.33	0.53
2.0	0	1.5				

Dimensions/Weights			
Width (in)	Depth (in)	Height (in)	Weight (lbs.)
64	23	50	2,585

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
10.96	15.91	12.42

Building Code
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Cabinet constructed of 14 Gauge cold rolled carbon steel.

UUT Mounting Details:



Unit floor mounted - rigid to shake table using nine (9) 1/2" - 13 grade hex head 5 bolts, washers, and lock washers torqued to 75ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description (Manufacturer)	Model #
Main Transformer (Yi-Huang)	T110035
Transformer (Hui-Hui)	T110022, T110038
Transformer (Galaxy)	T110021
Power Distribution Block (Erico)	UDJ-160A
PCBA (Shore PCB)	A250133, A250118, A250120, A250121, A250139, A250142
DP Contactor (Lovato)	DPBF650012060
Capacitors (CDE)	SFC37T30K291B-F, 520C572T400DF2HS, SCD205K601
Relay (Omron)	G9EA-1-B
Heatsink (AAVID)	M990020
SCR (Powerex)	CD43-16-90C
Fuse Block (Marathon)	F60A1B
Fuse Block (Bussman/Littlefuse)	NON60/NLN60
CB Distribution (Eaton)	FAZ
CB Distribution (ABB)	S201UP-K
Trip Alarm Auxiliary Contact (ABB)	S2C-H6R
Trip Alarm Auxiliary Contact (Eaton)	Z-NHK
Circuit Breaker Main (Eaton)	EGH
Circuit Breaker(Eaton)	EGS2125FFG, FAZ-D60/3-NA-SP
Circuit Breaker (ABB)	SU201M-K20, SU203M-K60
Terminal Block (Weidumuller)	WDU-16
Batteries (Leoch)	LPF12-100

UUT 7

Test Report# JID 17-00197

Manufacturer: Go2Power, LLC
Model Line: LiteMinder Modular
Model Number: LM18750-2P/2S/3P
Serial Number: 17195-034

Highest Passed Test Level						
S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1		3.20	2.40	1.33	0.53
2.0	0	1.5				

Dimensions/Weights			
Width (in)	Depth (in)	Height (in)	Weight (lbs.)
96	23	50	3,945

Lowest Natural Frequency (Hz)		
Front-Back	Side-Side	Vertical
13.81	13.37	>33.3

Building Code
CBC 2022

Test Criteria
ICC-ES AC156

Construction/Option Summary
Cabinet constructed of 14 Gauge cold rolled carbon steel.

UUT Mounting Details:



Unit floor mounted - rigid to shake table using ten (10) 1/2" - 13 grade hex head 5 bolts, washers, and lock washers torqued to 75ft-lbs.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description (Manufacturer)	Model #
Main Transformer (Yi-Huang)	T110033, T110024, T110025
Transformer (Hui-Hui)	T110022
Transformer (Galaxy)	T110021
Power Distribution Block (Erico)	UDJ-160A
PCBA (Shore PCB)	A250133, A250129, A250132, A250118, A250120, A250131, A250142
DP Contactor (Lovato)	DPBF650012060
Capacitors (CDE)	520C103M200DC2HS, SCD205K601
Relay (Omron)	G9EA-1-B
Heatsink (AAVID)	M990020
SCR (Powerex)	CD63-16-15C
Fuse Block (Marathon)	F60A1B
Fuse Block (Bussman/Littlefuse)	NON60/NLN60
CB Distribution (Eaton)	FAZ
CB Distribution (ABB)	S201UP-K
Circuit Breaker Main (Eaton)	EGH
Circuit Breaker (Eaton)	EGS3125FFG
MBS (Kraus and Naimer)	CA80-US20030-600E
Terminal Block (Weidumuller)	WDU-16
Batteries (Leoch)	LPF12-100
	LPF12-55