

SEISMIC Certified

Emergency Lighting Inverters

WaveRider

Single Phase:
3 to 17 kW

Three Phase:
8 to 50 kW

- OSHPD Certification OSP-0499-10
(California Office of Statewide Health Planning and Development)
- Listed to UL924 and ULI778 by CSA
- LCD Panel for Monitoring
- 98% typ. Efficiency Fast Transfer
- 94% typ. Efficiency Online
- Pulse Width Modulated (PWM)
- Generator Compatible with Auto Governor
- Double Conversion Technology
- Battery Exerciser
- Inverter Test Switch
- Global Monitoring System (optional)
- Battery Monitoring System (optional)

SHAKER TABLE TESTED

Seismic Certified to SDS Level 3.0g
Listed to CBC2016, IBC2015, ACI56

OSHPD Certified

OSP No.: OSP-0499-10

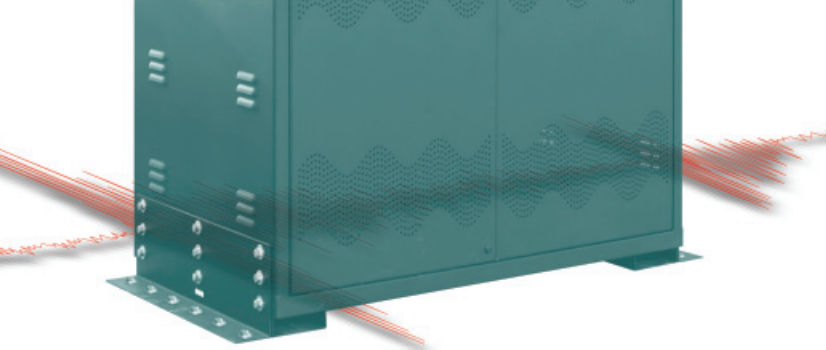
The WaveRider 1 & 3 has met the highest standards of seismic testing. Shaker table testing is in accordance with ICC-ES-AC-156 to an SDS level of 3.0g. We also meet the requirement for CBC 2016, IBC 2015 and test criteria ICC-ES ACI56. The WaveRider 1 & 3 have also met the certification for OSHPD (California Office of Statewide Health Planning and Development).

Shaker Table Tested to SDS level 3.0g



 **CRUCIAL POWER PRODUCTS**

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OSHPD Certified Emergency Lighting Inverters

WaveRider I

This single phase unit is an on-line double conversion with many options available. This unit is available from 3-17kW. It will support ALL TYPES of lighting including LED and HID. The WaveRider I is available as a Fast Transfer unit under 2 milliseconds.

WaveRider 3

This 3 phase system is available from 8-50kW. It will support all types of lighting including LED and HID. The WaveRider 3 is available as a Fast Transfer unit under 2 milliseconds or it can be On line.

Standard features

- Back-lit LCD Display for monitoring
- Built-in Input Power Factor Correction (1ø only)
- Provision for RS 232 & RS 485 ports for metering, measuring and diagnostic
- High Frequency PWM with Digital Signal Processing Tech.
- Main Input and Output Circuit Breaker (3ø only)
- Generator Compatible w/ Auto Governor (Slew Rate 2Hz/sec.)
- Inverter Test Switch and Battery Breaker
- Input Transient Voltage Surge Suppressor (TVSS) (3ø only)
- Make Before Break Internal Maintenance Bypass Switch (3ø only)

Options

- Output Auxiliary Built in Distribution: Normally On, Normally Off, Normally Off with Time Delay
- Main Input and Output Circuit Breaker (1ø only)
- Custom KAIC Main Input and/or Output Circuit Breaker
- Input Transient Voltage Surge Suppressor (1ø only)
- Make Before Break Internal Maintenance Bypass Switch (1ø only)
- External Wrap Around Maintenance Bypass Switch (This option will not be offered with Secondary Auxiliary Circuit Breakers)
- Fast Transfer
- Local Event Logger
- Touch Screen Local Event Logger (3ø only)
- Long Life Battery
- Form 'C' Contacts (5), (N.O.)
- Remote Status Panel Unit with Audio Alarm and Silence Switch
- Local Audio Alarm with Silence Switch (3ø only)
- RS232 or 485 for dedicated computer
- Global Monitoring System for remote computer with Event Log, Texting, and Email capability: SNMP, SNMP with GPRS, SNMP with WIFI, SNMP with Modem
- Wireless Battery Monitoring System
- Extended Warranty and Service Plans
- Spare Part Kits Available

OSHPD Certified WaveRider I

Shock and Vibration	MODEL NUMBERS						
	Unit Name	Capacity kW	Input Voltages	Output Voltages	Transformer	Phase	
SV-	WR Wave Rider I	3.0	3 kW	A 120V	0100 120V	N No Transformer (Same Input and Output Volt)	I Single Phase
		5.0	5 kW	B 208V	1300 208V		
		6.0	6 kW	D 240V	0400 240V		
		7.5	7.5 kW	R 277V	2500 277V		
		8.0	8 kW	H 480V Transformer	58A0 120/240V	T Transformer (Different Input & Output Voltages)	
		010	10 kW		58B0 277/120V (50% Load)		
		012	12.5 kW		58C0 480V		
		015	15 kW		58D0 480/277V (50% Load)		
		017	17 kW				

kW	Weight	*Cabinet Size (W" x H" x D")
3.0	1284 lbs.	46 x 68 x 18
5.0	1284 lbs.	46 x 68 x 18
6.0	1340 lbs.	46 x 68 x 18
7.5	1340 lbs.	58.75 x 70 x 30.5
8.0	1795 lbs.	46 x 68 x 18
10.0	2438 lbs.	58.75 x 70 x 30.5
12.5	3681 lbs.	58.75 x 70 x 30.5
15.0	3852 lbs.	58.75 x 70 x 30.5
17.0	4512 lbs.	58.75 x 70 x 30.5

* Cabinet includes Battery and total cabinet size includes seismic brackets on both sides.

Model Number Example: SV-WR3.0A0100N1

Single Phase WaveRider I, 3 kW, 12V Input Voltage, 120 Output Voltage, No Panelboard, No Transformer

OSHPD Certified WaveRider 3

Shock and Vibration	MODEL NUMBERS					
	Unit Name	Capacity kW	Input Voltages	Output Voltages	3 phase LH Series	
SV-	WR WaveRider 3	010	8 kW	B 208Y/120V	0500 208Y/120V	LHT3-VA KVA Rating
		015	12 kW			
		020	16 kW			
		025	20 kW			
		030	24 kW	H 480Y/277	0900 480Y/277	
		040	32 kW			
		050	40 kW			
		050	50 kW			
				LHT3 KW Rating		

Model Number Example: SV-PW015B09LHT3-VA

Three Phase Wave 3, 12kW, 208Y/120V Input Voltage, 480Y/277 Output Voltage

kW	Inverter Cabinet W" x H" x D"		Battery Cabinets W" x H" x D"		
	Cabinet Size * (Foot Print)	Weight	Cabinet Size * (Foot Print)	Qty.	Total Wgts.
8	39 x 68 x 18 (46 x 68 x 18)	1083 lbs.	51 x 70 x 30.5 (58.75 x 70 x 30.5)	1	1392 lbs.
12		1446 lbs.		1	3224 lbs.
16		1679 lbs.		1	3560 lbs.
20		1679 lbs.		1	4545 lbs.
24		1719 lbs.		1	4568 lbs.
32		2066 lbs.		2	8664 lbs.
40		2463 lbs.		2	8800 lbs.
50		2565 lbs.		3	12700 lbs.

* Foot Print includes seismic brackets on both sides. Specifications are subject to change without prior notification.