CRUCIAL POWER PRODUCTS

Seismic Certified to SDS Level 3.0g Listed to CBC2016, IBC2015, AC156



SHAKER TABLE TESTED

Central Lighting Inverter

Wave Rider[™]1

Single Phase, 2.1 to 17KW

Wave Rider[™]3

Three Phase, 8 to 17KW

HCAI CERTIFIED

(Formerly OSHPD)

OSP No.: OSP-0499-10

Key Features:

- HCAI Compliant (Formerly OSHPD)
 Certification OSP-0499
- Listed to UL924 and UL1778 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)

*Second Year, months 13 to 24 only valid with factory performed preventive maintenance

2 Year Warranty* (optional)

The Wave Rider 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 AC156. The Wave Rider 1 & 3 have also met the certification for HCAI (formerly OSHPD).

Wave Rider 1

This single phase unit is an on-line double conversion with many options available. This unit is available from 2.1-17kW. It will support ALL TYPES of lighting including LED and HID. The Wave Rider 1 is also available as a Fast Transfer.

Wave Rider 3

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

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HCAI Wave Rider™ 1 & 3 Specification

HCAI Certified Wave Rider 1

Shock	MODEL NUMBERS									
and Vibration	UNIT NAME	CAPACITY KW		INPUT Voltages		OUTPUT VOLTAGES		TRANSFORMER		PHASE
SV-	WR Wave Rider 1	2.1	2.1kW	A	120V	0100	120V		No Transformer (Same Input and Output Volt)	1 Single Phase
		3.0	3kW	В	208V	1300	208V	N		
		5.0	6kW	D	240V	0400	240V	IN		
		6.0	8kW	R	277V	2500	277V			
		8.0	10kW	Н	480V Transformer	58A0	120/240V		Transformer (Different Input & Output Voltages)	
		010	12.5kW			58B0	277/120V (50% Load)	T		
		015	15kW			58C0	480V			
		017	17kW			58D0	480/277V (50% Load)		ronages)	

KW	WEIGHT	*CABINET SIZE (W" x H" x D")		
2.1	826 lbs	46 X 68 X 18		
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		
8.0	1795 lbs	58.75 X 70 X 30.5		
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 Wave Rider 1, 3kW, 12V Input Voltage, 120 Output Voltage, No Panelboard, No Transformer

HCAI Certified Wave Rider 3

Shock and Vibration	MODEL NUMBERS							
	UNIT NAME		CAPACITY (KW)		INPUT Voltages	OUTPUT VOLTAGES	3 PHASE LH SERIES	
	WR	Wave Rider 3	010	8kW	B 208Y/120V H 480Y/277V	0500 208Y/120V		
SV-			015	12kW				
			020	16kW		2001/1201	LHT3-VA KVA Rating	
			025	20kW				
			030	24kW		0900		
			040	32kW		480Y/277V		
			050	40kW	4001/2//	1001/2774		
			050	50kW			LHT3 KW Rating	

Model Number Example: SV-WR015B09LHT3-VA

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

KW	Inverter Cabine	Battery Cabinet (w" x H" x D")			
	Cabinet Size *(Footprint)	Weight	Cabinet Size *(Footprint)	Qty.	Total Wgts.
8	39 x 68 x 18 (46 x 68 x 18)	1083 lbs.	39 x 68 x 18 (46 x 68 x 18)	1	1392 lbs.
12		1446 lbs.	51 x 70 x 30.5 (58.75 x 70 x 30.5)	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.		2	12700 lbs.

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

STANDARD FEATURES

- Back-lit LCD Display for monitoring
- Built-in Input Power Factor Correction (1ø only)
- High Freq. 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 Maint. Bypass Switch (3ø only)

OPTIONS

- Output Auxiliary Built in Distribution: Normally On, Normally Off, Normally Off with Time Delay
- Custom KAIC Main Input and/or Output Circuit Breaker
- Input Transient Voltage Surge Suppressor
- Fast Transfer
- External Wrap Around Maintenance Bypass Switch (This option cannot be ordered with Secondary Auxiliary Circuit Breakers), 4 Pole
- Dry Contact Normally Open
- Dry Contact "Form C" Normally Open and/or Normally Closed
- Battery Thermal Runaway
- Local Event Logger
- Long Life Battery (May change cabinet size)
- Remote Status Panel Unit with Audio Alarm and Silence Switch
- Local Audio Alarm with Silence Switch
- RS232 or RS485 for dedicated computer
- Global Monitoring System for remote computer with Event
- Log, Texting, and Email capability: SNMP, SNMP with GPRS, WIFI, Modem
- Extended Warranty and Service Plans
- Wireless Battery Monitoring System: Ability to monitor individual batteries including battery impedance
- Battery to normal power, adjustable time delay
- Main Input and Output Circuit Breaker (optional 1ø, standard for 3ø)
- Make Before Break Internal Maintenance Bypass Switch (optional 1ø, standard for 3ø)
- Touch Screen Local Event Logger (3ø only)
- Battery Cabinet Fan Exhaust, option for Dry Contact (3ø only)
- Delta Input (Using external transformer) (3ø only)



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