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)
- 2 Year Warranty* (optional)

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

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.

HCAI Wave Rider[™]1 & 3 Specification

HCAl Certified Wave Rider 1

| Shock | MODEL NUMBERS | | | | | | | | | |
|------------------|------------------------------|----------------|--------|-------------------|---------------------|--------------------|------------------------|-------------|---|-----------------------------|
| and Vibration | UNIT NAME | CAPACITY KW | | INPUT VOLTAGES | | OUTPUT VOLTAGES | | TRANSFORMER | | PHASE |
| SV- | WR Wave Rider 1 | 3.0 | 3kW | В | 208V | 0100 | 120V | | No Transformer (Same Input and Output Volt) | 1 Single Phase |
| | | 5.0 | 5kW | D | 240V | 1300 | 208V | N | | |
| | | 6.0 | 6kW | R | 277V | 0400 | 240V | | | |
| | | 8.0 | 8kW | Н | 480V Transformer | 2500 | 277V | | | |
| | | 010 | 10kW | | | 5800 5899 | 120/240V | Т | Transformer (Different Input & Output Voltages) | |
| | | 012 | 12.5kW | | | | 277/120V (50% Load) | | | |
| | | 015 | 15kW | | | | 480V | | | |
| | | 017 | 17kW | | | | 480/277V (50% Load) | | | |

| 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 | | | | |
| 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

HCAl Certified Wave Rider 3

| Shock and Vibration | MODEL NUMBERS | | | | | | | | |
|---------------------------|---------------|--------------|-------|-----------|-------------------|--------------------|------------------------------|--|--|
| | UNIT CAPA | | CAPAC | CITY (KW) | INPUT Voltages | OUTPUT VOLTAGES | 3 PHASE LH SERIES | | |
| | WR | Wave Rider 3 | 010 | 8kW | В | | | | |
| | | | 015 | 12kW | | 0500 | LHT3-VA KVA Rating | | |
| SV- | | | 020 | 16kW | 208Y/120V | 208Y/120V | | | |
| | | | 025 | 20kW | | | | | |
| | | | 030 | 24kW | | | LHT3 KW Rating | | |
| | | | 040 | 32kW | н | 0900 | | | |
| | | | 050 | 40kW | 480Y/277V | 480Y/277V | | | |
| | | | | 50kW | 4001/2// | 4001/2// \$ | | | |

Model Number Example: SV-WR015B09LHT3-VA

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

| | Inverter Cabine | t (W" x H" x D") | Battery Cabinet (w" x H" x D") | | | |
|----|--------------------------------|-------------------------|---------------------------------------|------|-------------|--|
| KW | Cabinet Size *(Footprint) | Weight | Cabinet Size *(Footprint) | Qty. | Total Wgts. | |
| 8 | | 1083 lbs. | 39 x 68 x 18 (46 x 68 x 18) | 1 | 1392 lbs. | |
| 12 | 39 x 68 x 18 (46 x 68 x 18) | 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)
- 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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