The Wave Rider I incorporates state of the art technology with PWM (Pulse Width Modulated), double conversion design for emergency lighting applications. The Wave Rider is always online, eliminating noise, spikes, sags and brownouts. When utility power fails, the Inverter provides uninterrupted output power to the emergency lighting circuits, in compliance with UL924 Life Safety Code for 90 minutes of egress illumination. The Wave Rider is the best design solution for emergency lighting power for a wide range of commercial and industrial applications.

**PRODUCT FEATURES**

- **Fast Transfer - Standby and Double Conversion, “no-break” online systems available.**
- **Efficiency:** 98% Standby - Fast Trans / 94% On-Line
- **Built-in Power Factor Correction** (Saves approx. 10% on utility bill)
- **Automatic monthly and annual self testing**
- **Latest technology microprocessor controlled electronics with PWM (Pulse Width Modulated) design for true Sine Wave output.**
- **Continuous self-diagnostic and self-testing system.**
- **LCD backlit panel for comprehensive monitoring of power line conditions and Inverter status.**
- **Optional remote monitoring, including the advanced Global Monitoring System (GMS)**
- **Sealed maintenance-free lead calcium batteries with 10 year prorata warranty.**
- **Battery Exerciser**
- **Battery Sentinel Battery Monitoring System**
- **Modular cabinet design for ease of installation, small footprint with shallow 18” depth, convenient front access, optional certified Zone 4 Seismic brackets available.**
- **Generator Compatible**
- **1 Year Warranty**

**Applications**

For a wide range of commercial and industrial applications, from 2,100 to 17,000 watts.

Typical installations:
- Office Buildings
- Factories
- Hospitals
- Hotels & Motels
- Schools & Universities
- Shopping Centers
- Casinos
- Airports
- Military Installations
- Apartment Buildings
- Supermarkets
- Train & Bus Terminals

**LIFE-LINE**

**Wave Rider™ I**

**CENTRAL LIGHTING INVERTER**

2.1 to 17 KW,

Single Phase (UPS or IPS)

HID, Incandescent, Fluorescent, LED
120, 208, 240, 277, or 480 Volts

Listed to UL924 Lighting and UL1778 UPS Standards, by CSA
<table>
<thead>
<tr>
<th>KW</th>
<th>Input/Output Voltages</th>
<th>MODEL NUMBERS</th>
<th>DC Volts</th>
<th>BTU/ Hr</th>
<th>Cabinet Size (W x H x D)</th>
<th>Wgts (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>120/208, 208/240, 240/208, 277/277</td>
<td>WR3.0A0100NI-VA</td>
<td>859</td>
<td>826</td>
<td></td>
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<td>3.0</td>
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<td>WR3.0B1300NI-VA</td>
<td>859</td>
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<td>5.0</td>
<td>120/208, 208/208, 208/208, 277/277</td>
<td>WR5.0D0400NI-VA</td>
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<td>WR6.0A0100NI-VA</td>
<td>859</td>
<td>826</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OPTIONAL INPUT PROTECTION:** Input Circuit Breaker provided protection to the unit, load, and personnel. Input Circuit Breaker is rated at (10 KAIC) standard and higher interruption up to 65 (KAIC) optional.

**OUTPUT PROTECTION:** Internal Electronic overload protection. Circuit breaker provides inherent over-load protection. Factory selectable voltage 120, 208, 240, or 277 for input or output voltages. If input is different from output or output different from input, an internally mounted transformer is required.

**SURGE PROTECTION:** The inverter will protect itself and the load against surge as defined in ANSI/IEEE C62.45 category A and B.

**ISOLATION:** Output is completely isolated from input, and with multi voltages, when input & output is different.

**BATTERY:** Sealed maintenance free (SMF), Lead Calcium

**Battery Management System:** Utilizes a microprocessor technology to monitor the batteries critical levels and apply charging cycles in a method to substantially increase battery life.

**HOUSING:** Free standing NEMA 1 Enclosure powder coated paint

**CHARGING CYCLES:** Mounting dimensions for full Load.

**OPTIONAL FEATURES:**
- (OCB #) Secondary Auxiliary Circuit Breakers: Normally On, Normally Off, Normally Off w/ Delay, Trip Alarm
- (FCC) Form ‘C’ Contacts (5), (N.O.)
- (STB) Secondary Normally On/Off Terminal Block selection
- (RSP) Remote Status Panel Unit with Audio Alarm and Silence Switch
- (LAA) Local Audio Alarm with Silence Switch
- (IMB) Make Before Break Internal Maintenance Bypass Switch
- (EMB) External Maintenance Bypass Switch (wrap around type)
- (MIB) Main Input Circuit Breaker (with custom KAIC)
- (TVSS) Input Transient Voltage Surge Suppressor
- (HT) Harmonic Tolerance (up to K-50)
- (EMI) EMI Filter
- (SB) Certified Zone 4 Seismic Bracket
- (EW #) Extended Warranty and Service Plans

**GLOBAL MONITORING SYSTEM (GMS)**

**LOCAL**
- Local PC via RS232 and RS485
- Event logging up to 500

**REMOTE**
- Dial-up
  - Voice (10 event logging), numeric pager
  - Voice, data, fax, pager, PC, e-mail, event logging up to 500
  - Voice, data, fax, pager, PC, e-mail, and measurement (500 event logging plus graphic)

**System status, measurement, alarm notification, event logging and password protected configuration.**

Consult Factory for more features and choices of remote communication.