HID, Incandescent, Fluorescent, LED
120, 208, 240, 277, or 480 Volts
Listed to UL924 Lighting and UL1778 UPS by CSA

The PowerRide I incorporates state of the art technology with PWM (Pulse Width Modulated), double conversion design for emergency lighting applications.

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.

KEY FEATURES
- Fast Transfer, Standby, and Double Conversion “no-break” online system are available
- Efficiency: 94% Online / 98% Standby / Fast Transfer
- 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
- RS232 and RS485 Ports
- Optional remote monitoring, including the advanced Global Monitoring System (GMS)
- Sealed maintenance-free lead calcium batteries with 10 year prorated warranty
- Battery Exerciser
- Single cabinet design for ease of installation, convenient front access
- Generator Compatible
- 1 Year Warranty

STANDARD FEATURES
- Back-lit LCD Display for monitoring
- RS 232 & RS 485 ports for metering, measuring, and diagnostic.
- System pre-wired for optional Global Monitoring System (GMS)
- Battery Breaker
- Inverter Test Switch
- Generator Compatible with Automatic Governor (Slew Rate 2Hz/sec.)
- Battery Management Software
- High Frequency PWM with Digital Signal Processing Technology
- Built-in Input Power Factor Correction

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

14000 S. Broadway, Los Angeles, CA 90061 Tel: 800-786-6915 www.perfectpowersystems.com
### Power Rating:
2.1, 3.0, 5.0, 6.0, 7.5, 8.0, 10, 12.5, 15 & 17 kW

### Input Voltage:
- 2.1 to 6, & 8 kW: 120, 208, 240, 277, or 480 VAC (-20% to +15%)
- 7.5 to 17 kW: 208, 240, 277, or 480 VAC (-15% to +15%)
- 120V - Special Order for 7.5 to 17 kW Units

### Output Voltage:
120, 208, 240, 277, or 480 VAC

### Output Frequency (Inverter Operation):
60Hz ±0.5Hz.

### Voltage Regulation:
±3%

### Output Wave Form:
Sine-wave

### Optional Input Protection:
Input Circuit Breaker provided protection to the unit, load, and personnel and is rated at (10 KAIC) standard, 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, 277, or 480 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.

### Noise Isolation:
-120 dB. Common-Mode.; 60 dB. Transverse-Mode

### Isolation:
Output is completely isolated from input with multi voltages when input & output is different.

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<table>
<thead>
<tr>
<th>KW</th>
<th>Input/Output Voltages</th>
<th>MODEL NUMBERS</th>
<th>DC Volts</th>
<th>Cabinet Size (W x H x D)</th>
<th>Wgts (lbs)</th>
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<tbody>
<tr>
<td>2.1</td>
<td>120/120 208/208 240/240 277/277 120, 208, 240, 277, or 480</td>
<td>PD3.0A0100N1-VA  PD3.0B1300N1-VA  PD3.0D0400N1-VA  PD3.0R2500N1-VA  *PD3.0X5800T1-VA</td>
<td>96</td>
<td>39” x 48” x 18”</td>
<td>826 826 826 826 896</td>
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<td>240</td>
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</tr>
</tbody>
</table>

* Input Voltage X: A=120 (2.1 to 10 kW only), B=208, D=240, R=277, H=480 VAC

Consult Factory for 120V Input units and other power ratings.

All units are 90 minutes Battery Back-up time @ Full Load. For other back-up times (up to 6 hours), consult factory.

### Efficiency:
98% standby - fast transfer / 94% online

### Power Factor:
Unity

### Crest Factor:
3:1

### Battery:
Sealed maintenance free (SMF)

### 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 Front access only Multiple conduit entries. Refer to chart for dimensions.

### Recharge Time:
Conforms to UL924

### ENVIRONMENTAL:
- **Humidity:** 0-95% RH w/no condensation
- **Operating temperature:** UPS: ‘0’ to 40˚C. (32˚ to 104˚F) BATTERY: 20˚ to 25˚C (68˚ to 77˚F)
- **Storage temperature:** -20˚ to 25˚C. (-4 to 77˚F)

### Safety Agencies:
- CSA Listed to UL 924, UL 924A, UL1778
- *Ask about our new Battery Tracker Battery Monitoring System*

### OPTIONS
- Secondary Auxiliary Circuit Breakers (up to 14 or 24 one-pole OCB’s): Normally On, Normally Off, Normally Off w/ Delay, Trip Alarm
- Form ‘C’ Contacts (5), (N.O.)
- Secondary Normally On/Off Terminal Block selection
- Remote Status Panel Unit with Audio Alarm and Silence Switch
- Local Audio Alarm with Silence Switch
- Make Before Break Internal Maintenance Bypass Switch
- External Maintenance Bypass Switch (wrap around type)
- Main Input and/or Output Circuit Breaker (with custom KAIC)
- Built-in Secondary Distribution
- Input Transient Voltage Surge Suppressor (TVSS)
- Harmonic Tolerance (up to K-50)
- EMI Filter
- Certified Zone 4 Seismic Bracket
- Extended Warranty and Service Plans
- Long Life Battery

### Optional Global Monitoring System (GMS)
- Provide SNMP, MIB to monitor & log UPS status
- Auto-sense 10M/100M Fast Ethernet
- Auto-sense 10M/100M Fast Ethernet
- Manage & configure via Telnet, Web Browser or NMS
- Support TCP/IP, UDP, SNMP, Telnet, SNTP, PPP, HTTP, SMTP Protocol
- Sending both of SNMP TRAP and Email for events notification
- Auto email daily Battery Backup history report (configurable)
- Basic NetAgent: LAN or WIFI
- Advance NetAgent: LAN, WIFI, Dial-up Modem, or GPRS Modem

*NEW* Ask about our new Battery Tracker Battery Monitoring System

Specifications are subject to change without prior notification.