POWERRIDE 3
Three Phase, 8 to 50kW

HID, Incandescent, Fluorescent, LED
Modular Design, Front Access, Small Footprint
Listed to UL924 Lighting and UL1778 UPS Standard, by CSA

STANDARD FEATURES

◆ Back-lit LCD Display for monitoring
◆ System pre-wired for optional Global Monitoring System (GMS)
◆ High Frequency PWM with Digital Signal Processing Technology
◆ Make Before Break Internal Maintenance Bypass Switch
◆ Main Input and Output Circuit Breaker
◆ Generator Compatible with Automatic Governor (Slew Rate 2Hz/sec.)
◆ Inverter Test Switch
◆ Battery Breaker
◆ Battery Management Software

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
◆ Sealed maintenance-free lead calcium batteries with 10 year prorated warranty
◆ Modular cabinet design for ease of installation, small footprint with shallow 18” depth, convenient front access.
◆ Optional Battery Tracker Monitoring System
◆ 2 Year Warranty*

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

POWERRIDE 3

Power Rating: 8, 12, 16, 20, 24, 32, 40 and 50 KW
(higher capacity available)

Input Voltage: 208Y/120 or 480Y/277 VAC (-20% to +15%)

Output Voltages: 208Y/120 or 480Y/277 VAC

Output Frequency (Inverter Operation) : 60 Hz ±0.5 Hz
Voltage Regulation: ±3%, Regulated within CBEMA curve

Output Wave Form: Sine-Wave < 5% THD.

Efficiency: 94% online / 98% standby / fast transfer (Typical)

Power Factor: Unity

Crest Factor: 3:1 Typical

Surge Protection: The inverter will protect itself and the load against surges as defined in ANSI/IEEE C62.41 Cat. A & B.

Isolation: Complete from line. Output neutral bonded to ground

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

Battery: 10 year pro rated maintenance-free (AGM) battery

Recharge Current: Conforms to UL Standards

External Battery: Provisions for hardware connection of optional external battery cabinets or DC source.

Environmental:

Humidity: 0 - 95% RH w/ no condensation

Operating Temp: UPS: 0° to 40°C, (32°-104°F)
Battery: 20° to 25°C. (68°-77°F)

Storage Temp: -20° to 25°C. (-4° - 77°F)

Altitude: Up to 10,000 ft

Safety Agencies: CUL, CSA Listed UL1778, UL924

Cabinet Sizes:

Standard Cabinet Layout:
Inverter cabinets 39”W x 68”H x 18”D
Battery cabinets 51”W x 70”H x 30.5”D

Standard Battery Back-up time is 90 minutes @ full load. Other back-up times are available - contact factory.

<table>
<thead>
<tr>
<th>KW</th>
<th>INPUT OUTPUT</th>
<th>Model Numbers</th>
<th>DC Volts</th>
<th>Total Weights (lbs)</th>
<th>Inverter Cab.</th>
<th>(Qty) Battery Cab.</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>208Y/120 - 208Y/120 480Y/277 - 480Y/277</td>
<td>PD010B05LHT3-VA PD010H09LHT3-VA PD010H05LHT3-VA</td>
<td>192</td>
<td>(1 Cabinet)</td>
<td>1083 lbs</td>
<td>39W x 68H x 18D</td>
</tr>
<tr>
<td></td>
<td>480Y/277 - 208Y/120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1392 lbs</td>
</tr>
<tr>
<td>12</td>
<td>208Y/120 - 208Y/120 480Y/277 - 480Y/277</td>
<td>PD015B05LHT3-VA PD015H09LHT3-VA PD015H05LHT3-VA</td>
<td>192</td>
<td>(1 Cabinet)</td>
<td>1446 lbs</td>
<td>51W x 70H x 30.5D</td>
</tr>
<tr>
<td></td>
<td>480Y/277 - 208Y/120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3224 lbs</td>
</tr>
<tr>
<td>16</td>
<td>208Y/120 - 208Y/120 480Y/277 - 480Y/277</td>
<td>PD020B05LHT3-VA PD020H09LHT3-VA PD020H05LHT3-VA</td>
<td>192</td>
<td>(1 Cabinet)</td>
<td>1679 lbs</td>
<td>51W x 70H x 30.5D</td>
</tr>
<tr>
<td></td>
<td>480Y/277 - 208Y/120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3560 lbs</td>
</tr>
<tr>
<td>20</td>
<td>208Y/120 - 208Y/120 480Y/277 - 480Y/277</td>
<td>PD025B05LHT3-VA PD025H09LHT3-VA PD025H05LHT3-VA</td>
<td>288</td>
<td>(1 Cabinet)</td>
<td>1679 lbs</td>
<td>51W x 70H x 30.5D</td>
</tr>
<tr>
<td></td>
<td>480Y/277 - 208Y/120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4545 lbs</td>
</tr>
<tr>
<td>24</td>
<td>208Y/120 - 208Y/120 480Y/277 - 480Y/277</td>
<td>PD030B05LHT3-VA PD030H09LHT3-VA PD030H05LHT3-VA</td>
<td>288</td>
<td>(1 Cabinet)</td>
<td>1719 lbs</td>
<td>51W x 70H x 30.5D</td>
</tr>
<tr>
<td></td>
<td>480Y/277 - 208Y/120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4568 lbs</td>
</tr>
<tr>
<td>32</td>
<td>208Y/120 - 208Y/120 480Y/277 - 480Y/277</td>
<td>PD040B05LHT3-VA PD040H09LHT3-VA PD040H05LHT3-VA</td>
<td>312</td>
<td>(1 Cabinet)</td>
<td>2066 lbs</td>
<td>51W x 70H x 30.5D</td>
</tr>
<tr>
<td></td>
<td>480Y/277 - 208Y/120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8664 lbs</td>
</tr>
<tr>
<td>40</td>
<td>208Y/120 - 208Y/120 480Y/277 - 480Y/277</td>
<td>PD050B05LHT3-VA PD050H09LHT3-VA PD050H05LHT3-VA</td>
<td>552</td>
<td>(1 Cabinet)</td>
<td>2463 lbs</td>
<td>51W x 70H x 30.5D</td>
</tr>
<tr>
<td></td>
<td>480Y/277 - 208Y/120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8800 lbs</td>
</tr>
<tr>
<td>50</td>
<td>208Y/120 - 208Y/120 480Y/277 - 480Y/277</td>
<td>PD050B05LHT3-VA PD050H09LHT3-VA PD050H05LHT3-VA</td>
<td>552</td>
<td>(1 Cabinet)</td>
<td>2565 lbs</td>
<td>51W x 70H x 30.5D</td>
</tr>
<tr>
<td></td>
<td>480Y/277 - 208Y/120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12700 lbs</td>
</tr>
</tbody>
</table>

* Total Weights are approximate.
Specifications are subject to change without prior notification.

OPTIONS

- Secondary Auxiliary Circuit Breakers (up to 20 one-pole OCB’s): Normally On, Normally Off, Normally Off w/ Delay, Trip Alarm
- Aux CB with Trip Indicator
- Dry Contact: With Single Common N/O, N/C with individual isolated Common
- Secondary Normally On/Off Terminal Block selection
- Remote Status Panel Unit with Audible Alarm with Silence Switch
- Input Current Harmonic Filter, 10% & 5% (This option will not be offered with Secondary Auxiliary Circuit Breakers)
- Make Before Break External Maintenance Bypass Switch (4 Pole)
- Main Input and/or Output Circuit Breaker (with custom KAIC)
- Battery Cabinet Fan Exhaust
- Battery Cabinet Fan Exhaust with Dry Contact
- Battery Thermal Runaway with Dry Contact
- Battery to Normal power, adjustable Time Delay
- External Attachable Panelboard (42 poles)
- EMI Filter
- Input Transient Voltage Surge Suppressor (TVSS)
- Delta Input (using External Transformer)
- Harmonic Tolerance (up to K-50)
- Battery Tracker: Wireless Battery Status Monitoring System
- Certified Zone 4 Seismic Bracket: Adds approx. 4” of additional floor space to each side of cabinet
- Extended Warranty and Service Plans
- Spare Part Kits Available
- Monitoring via RS232 and RS485

Global Monitoring System (GMS)
- Provide SNMP MIB to monitor & log UPS status
- 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

Consult Factory for more features and choices of remote communication. Consult Factory for exact number of battery cabinets.