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

**STANDARD FEATURES**

- OSHPD Certification OSP-0501-10
  (*California Office of Statewide Health Planning and Development*)
- Back-lit LCD Display for monitoring
- 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

**KEY FEATURES:**

- Fast Transfer, Standby, and Double Conversion “no-break” online system are available
- Efficiency: 94% Online / 98% Standby/Fast Transfer (Typical)
- 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
- Battery Exerciser
- Single Cabinet design for ease of installation, convenient front access
- 2 Year Warranty*

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

www.perfectpowersystems.com
TECHNICAL SPECIFICATIONS
OSHPD CERTIFIED POWERRIDE I

Power Rating: 3, 5, 6, 8, 10, 12.5, 15 & 17 kW
Input Voltage: 120, 208, 240, 277, or 480 VAC (-20% to +15%)
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

Output is completely isolated from input and with multi voltages when input & output is different.

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

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)

Options:
- Output Auxiliary Built in Distribution Breaker: Normally On, Normally Off, Normally Off with Time Delay
- Main Input and Output Circuit Breaker
- Custom KAIC Main Input and/or Output Circuit Breaker
- Make Before Break Internal Maintenance Bypass Switch
- External Wrap Around Maintenance Bypass Switch (This option will not be offered with Secondary Auxiliary Circuit Breakers)
- Fast Transfer
- Local Event Logger
- Long Life Battery
- Battery Thermal Runaway with Dry Contact
- Dry Contact: With Single Common, N/O, N/C contacts with individual isolated Common
- Remote Status Panel Unit with Audio Alarm and Silence Switch
- RS232 or 485 for dedicated computer
- Input Transient Voltage Surge Suppressor
- Global Monitoring System for remote computer with Event Log, Texting, and Email capability: SNMP, SNMP with GPRS, SNMP with WIFI, SNMP with Modem
- Wireless Battery Monitoring System
- Extended Warranty and Service Plans
- Spare Part Kits Available

Model Numbers

<table>
<thead>
<tr>
<th>kW</th>
<th>Wgt (lbs)</th>
<th>Cabinet Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0</td>
<td>1284</td>
<td>46 X 68 X 18</td>
</tr>
<tr>
<td>5.0</td>
<td>1500</td>
<td>46 X 68 X 18</td>
</tr>
<tr>
<td>6.0</td>
<td>1795</td>
<td>46 X 68 X 18</td>
</tr>
<tr>
<td>8.0</td>
<td>2438</td>
<td>58.75 X 70 X 30.5</td>
</tr>
<tr>
<td>10.0</td>
<td>2938</td>
<td>58.75 X 70 X 30.5</td>
</tr>
<tr>
<td>12.5</td>
<td>3612</td>
<td>58.75 X 70 X 30.5</td>
</tr>
<tr>
<td>15.0</td>
<td>3852</td>
<td>58.75 X 70 X 30.5</td>
</tr>
<tr>
<td>17.0</td>
<td>4512</td>
<td>58.75 X 70 X 30.5</td>
</tr>
</tbody>
</table>

* Cabinet includes Battery

Power Ride 1, 3kW, 120V Input Voltage, 120 Output Voltage, No Transformer, Single Phase

Model # Example: SV-PD3.0A0100N1

Cabinet Size: 46 X 68 X 18

Power and Vibration

<table>
<thead>
<tr>
<th>Unit Name</th>
<th>Capacity kW</th>
<th>Input Voltages</th>
<th>Output Voltages</th>
<th>Transformer</th>
<th>Phase In/Out</th>
</tr>
</thead>
<tbody>
<tr>
<td>SV-PD</td>
<td>3.0</td>
<td>A = 120V</td>
<td>0100 = 120V</td>
<td>No Transformer Same Input and Output Voltage</td>
<td>Single Phase</td>
</tr>
<tr>
<td></td>
<td>5.0</td>
<td>B = 208V</td>
<td>1300 = 208V</td>
<td>N</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6.0</td>
<td>C = 240V</td>
<td>0400 = 240V</td>
<td>T</td>
<td></td>
</tr>
<tr>
<td></td>
<td>8.0</td>
<td>D = 277V</td>
<td>2500 = 277V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10.0</td>
<td>E = 480V</td>
<td>58A0 = 120/240V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>12.5</td>
<td>F = 480V/Transformer</td>
<td>58B0 = 277/120V (50% Load)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>15.0</td>
<td>G = 480V</td>
<td>58C0 = 480V</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17.0</td>
<td>H = 480V</td>
<td>58D0 = 480/277V (50% Load)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Cabinet includes Battery