HID, Incandescent, Fluorescent, LED
208Y/120 or 480Y/277 VAC
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 (4x20) 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
- Make Before Break Internal Maintenance Bypass Switch
- TVSS

**SEISMIC CERTIFIED POWER RIDE 3**

**ON-LINE // STAND-BY/FAST TRANSFER**

Power Ride 3 is available from 8kW - 50 kW. It will support all types of lighting including LED and HID. Available as a Fast Transfer unit under 2 milliseconds. The Power Ride 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 Power Ride 3 is certified for OSHPD (California Office of Statewide Health Planning and Development).

**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
- Global Monitoring System (optional)
- Battery Monitoring System (optional)
- Sealed maintenance-free lead calcium batteries with 10 year prorated warranty
- Battery Exerciser
- Modular cabinet design for ease if installation, small footprint with shallow 18" depth, 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 3

Power Rating: 8, 12, 16, 20, 24, 32, 40, and 50 KW
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

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

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
- Long Life Battery and High Temperature Battery
- Extended Warranty and Service Plans
- Spare Part Kits Available
- Local Event Logger with Touch Screen
- Monitoring via RS232 and RS485

Specifications are subject to change without prior notification.

Model # Example: SV-PD015B09LHT3-VA
Three Phase Power Ride 3, 15 kVA (12kW), 208Y/120V Input Volt, 480Y/277V Output Volt

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**MODEL NUMBERS**

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<th>Shock and Vibration</th>
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**Inverter Cabinet**

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<th>Cabinet Size (in. Seismic Bracket)</th>
<th>Total Weight (lbs)</th>
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**Battery Cabinet**

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