

HCAI Certified (Formerly OSHPD) POWER RIDE 3 Single Phase 8 to 50kW

SHAKER TABLE TESTED

EMERGENCY
LIGHTING
INVERTERS

HID, Incandescent, Fluorescent, LED
120, 208, 240, 277, or 480 Volts
Listed to UL924 & UL1778 Standards

STANDARD FEATURES

- ◆ HCAI Compliant (Formerly OSHPD)
- ◆ 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



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
- ◆ 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
- ◆ Modular cabinet design for ease of 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

TECHNICAL SPECIFICATIONS

HCAI CERTIFIED POWER RIDE 3

EMERGENCY
LIGHTING
INVERTERS

Power Rating: 8, 12, 16, 20, 24, 32, 40 and 50 KW
Input Voltage: 208Y/120 or 480Y/277 VAC (+10%/-15%)
Output Voltage: 208Y/120 or 480Y/277 VAC
Output Frequency (Inverter Operation): 60 Hz \pm 0.5 Hz
Voltage Regulation: \pm 3%, Regulated within CBEMA curve
Output Voltage 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: Sealed, Maintenance-Free, Lead-Acid VRLA (Standard) 10 year
Recharge Current: Conforms to UL Standards
External Battery: Provisions for hardwire connection of optional external battery cabinets or DC source.
Environmental:
Humidity: 0 - 95 RH w/ no condensation
Operating Temperature: UPS: 0° to 40°C. (32°-104°F)
 Battery: 20° to 25°C. (68°-77°F)
Storage Temperature: -20° to 70°C. (-4° - 158°F)
Altitude: Up to 6,000 ft
Safety Agencies: Listed UL1778, UL924 Standards
 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 Normally Open
- Dry Contact Normally Open and/or Normally Closed
- 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 Parts
- Spare Parts Kits Available
- Local Event Logger with Touch Screen
- Monitoring via RS232 and RS485

Shock and Vibration	MODEL NUMBERS							
	UNIT NAME	CAPACITY		INPUT VOLTAGES	OUTPUT VOLTAGES	3 PHASE LH SERIES		
		kVA	kW					
SV-	PD Power Ride 3	010	10 kVA	8 kW	B 208Y/120	05 208Y/120	LHT3-VA kVA rating	
		015	15 kVA	12 kW				
		020	20 kVA	16 kW				
		025	25 kVA	20 kW	H 480Y/277	09 480Y/277		
		030	30 kVA	24 kW				
		040	40 kVA	32 kW				
		050	50kVA	40 kW				
		050		50 kW				LHT3 kW rating

KW	Inverter Cabinet		Battery Cabinet		
	*CABINET SIZE (w/ Seismic Brackets) W" x H" x D"	Total Weight (Lbs)	*CABINET SIZE (w/ Seismic Brackets) W" x H" x D"	Qty	Total Weight (Lbs)
8	46 x 68 x 18	1083	46 X 68 X 18	1	1392
12		1446		1	3224
16		1679		1	3560
20		1679	58.75 x 70 x 30.5	1	4545
24		1719		1	4568
32		2066		2	8664
40		2463		2	8800
50		2565		2	12700

Specifications are subject to change without prior notification.
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Model # Example: **SV-PD015B09LHT3-VA**

Three Phase Power Ride 3, 15 kVA (12kW), 208Y/120V Input Volt, 480Y/277V Output Volt

