

OSHPD Certified

Three Phase: 8 to 50 kW

Seismic Certified Power Ride 3

Supports all types of lightings:
LED, HID, Incandescent, Fluorescent

UL Listed to UL 924 Lighting and
UL 1778 UPS Standards by CSA

KEY FEATURES

- OSHPD Certification OSP-0501-10
(California Office of Statewide Health Planning and Development)
- 94% Efficiency On Line typ.
- 98% Efficiency Fast Transfer typ.
- 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)
- Optional Battery Tracker Monitoring System
- Sealed maintenance-free lead calcium batteries with 10 year prorated warranty
- Battery Exerciser
- Modular cabinet design for ease of installation, small footprint with shallow 18" depth, convenient front access.
- Generator Compatible
- Global Monitoring System (optional)
- Battery Monitoring System (optional)



Power Ride 3 is available from 8kW - 50 kW. It will support all types of lighting including LED and HID. The Power Ride 3 is 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).



SHAKER TABLE TESTED

OSHPD Certified Power Ride 3

SPECIFICATIONS

- 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
- 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 hardwire 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.

STANDARD FEATURES

- Double conversion On-Line Inverter for all lights
- Back-lit LCD Display (4x20) for monitoring
- Provision for RS 232 & RS 485 ports for metering, measuring and diagnostic
- High Freq. PWM with Digital Signal Processing Technology
- Main Input and Output Circuit Breaker
- Generator Compatible with Automatic Governor (Slew Rate 2Hz/sec.)
- Battery Breaker and Inverter Test Switch
- Make Before Break Internal Maintenance Bypass Switch
- TVSS

OPTIONS

- Output Auxiliary Built in Distribution Breaker: Normally On, Normally Off, Normally Off with Time Delay
- Custom KAIC Main Input and/or Output Circuit Breaker
- External Wrap Around Maintenance Bypass Switch (This option will not be offered with Secondary Auxiliary Circuit Breakers)
- Fast Transfer
- Local Event Logger with Touch Screen
- Long Life Battery and High Temperature Battery
- Form 'C' Contacts (5), (N.O.)
- Remote Status Panel Unit with Audio Alarm and Silence Switch
- Local Audio Alarm with Silence Switch
- RS232 or 485 for dedicated computer
- 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
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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	
		015	15 kVA	12 kW			
		020	20 kVA	16 kW			
		025	25 kVA	20 kW	H 480Y/277	09 480Y/277	LHT3-VA KVA rating
		030	30 kVA	24 kW			
		040	40 kVA	32 kW			
		050	50 kVA	40 kW			
		050		50 kW			LHT3 KW rating

kW	Inverter Cabinet		Battery Cabinet				
	Cabinet Size (w/ Seismic Bracket) W" X H" X D"	Total Weight (lbs)	Cabinet Size (w/ Seismic Bracket) W" X H" X D"	Qty	Total Weight (lbs)		
8	46 x 68 x 18	1083	58.75 x 70 x 30.5	1	1392		
12		1446					
16		1679					
20		1679					
24		1719					
32		2066					
40		2463					
50		2565				3	12700

Model # Example: SV-PW015B09LHT3-VA

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

Specifications are subject to change without prior notification.