

# OSHPD Certified

Single Phase: 3 to 17 kW

## Seismic Certified Power Ride I

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

120, 208, 240, 277, or 480 Volts

Listed to UL 924 Lighting and  
UL 1778 UPS by CSA

### KEY FEATURES

- OSHPD Certification OSP-0501-10  
(California Office of Statewide  
Health Planning and Development)
- Fast Transfer, Standby, and Double Conversion  
“no-break” online system are available
- Listed to UL924 and UL1778 by CSA
- RS232 and RS485 Ports
- 98% typ. Efficiency Fast Transfer
- 94% typ. Efficiency Online
- Pulse Width Modulated (PWM)
- Generator Compatible with Auto Governor
- Double Conversion Technology
- Continuous self-diagnostic and self-testing system
- LCD backlit panel for comprehensive monitoring  
of power line conditions and Inverter status
- Global Monitoring System (optional)
- Battery Monitoring System (optional)

SHAKER  
TABLE  
TESTED



The Power Ride I 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 I is certified for OSHPD (California Office of Statewide Health Planning and Development).

# OSHPD Certified Power Ride I

## SPECIFICATIONS

**Power Rating:** 3, 5, 6, 8, 10, 12.5, 15 & 17 kW

**Input Voltage:** 3, 5, 6, 8 kW; 120, 208, 240, 277, or 480 VAC (-20% to +15%)

10, 12.5, 15, 17 kW; 208, 240, 277, or 480 VAC (-15% 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

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

**Efficiency:** 98% standby - fast transfer / 94% online

**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)

## STANDARD FEATURES

- Back-lit LCD Display (4x20) for monitoring
- Provision for RS 232 & RS 485 ports for metering, measuring, and diagnostic
- Generator Compatible with Automatic Governor (Slew Rate 2Hz/sec.)
- High Frequency PWM with Digital Signal Processing Technology
- Built-in Input Power Factor Correction
- Battery Breaker and Inverter Test Switch

## 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
- Form 'C' Contacts (5), (N.O.)
- 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

Shock and Vibration	MODEL NUMBERS					
	Unit Name	Capacity kW	Input Voltages	Output Voltages	Transformer	Phase In/Out
SV- PD	Power Ride 1	<b>3.0</b> = 3 kW	<b>A</b> = 120V	<b>0100</b> = 120V	N No Transformer (Same Input and Output Volt)	1 Single Phase
		<b>5.0</b> = 5 kW	<b>B</b> = 208V	<b>1300</b> = 208V		
		<b>6.0</b> = 6 kW	<b>D</b> = 240V	<b>0400</b> = 240V		
		<b>8.0</b> = 8 kW	<b>R</b> = 277V	<b>2500</b> = 277V		
		<b>010</b> = 10 kW	H = 480V Transformer	<b>58A0</b> = 120/240V		
		<b>012</b> = 12.5 kW		<b>58B0</b> = 277/120V (50% Load)		
		<b>015</b> = 15 kW		<b>58C0</b> = 480V		
		<b>017</b> = 17 kW		<b>58D0</b> = 480/277V (50% Load)		

kW	Wgt (lbs)	*Cabinet Size with Mounting Brackets (W" x H" x D")
3.0	1284	46 X 68 X 18
5.0	1284	46 X 68 X 18
6.0	1340	46 X 68 X 18
8.0	1795	46 X 68 X 18
10.0	2438	58.75 X 70 X 30.5
12.5	3681	58.75 X 70 X 30.5
15.0	3852	58.75 X 70 X 30.5
17.0	4512	58.75 X 70 X 30.5

\* Cabinet includes Battery

**Model # Example: SV-PD3.0A0100N1**

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