HCAI Certified (Formerly OSHPD) POWER RIDE 1 Single Phase 3 to 17kW

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
- Battery Breaker
- Inverter Test Switch
- Generator Compatible with Automatic Governor (Slew Rate 0.2Hz/sec.)
- Battery Management Software
- High Frequency PWM with Digital Signal Processing Technology
- Built-in Input Power Factor Correction

Electronic Cabinet

SEISMIC CERTIFIED POWER RIDE 1

ON-LINE // STAND-BY /FAST TRANSFER

The Power Ride 1 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 1 is certified to meet HCAI (formerly OSHPD) requirements.

PERFECT POWERSYSTEMS

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
- LCD back-lit 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

LOS ANGELES, CA
Tel: 800-786-6915
710-SV-DS-05-25

TECHNICAL SPECIFICATIONS

HCAI CERTIFIED POWER RIDE 1

(Formerly OSHPD)

EMERGENCY LIGHTING INVERTERS

Power Rating: 3, 5, 6, 8, 10, 12.5, 15 & 17 kW
Input Voltage: 3 - 5KW, 6KW; 120, 208, 240, 277, or 480 VAC (-15% to +10%)
8 - 17KW; 208, 240, 277, or 480 VAC (-15% to +10%)
Output Voltage: 120, 208, 240, 277, or 480 VAC
Output Frequency (Inverter Operation): 60Hz +0.5Hz.
Voltage Regulation: +3% Typical
Output Voltage 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
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˚-104˚F)
Battery: 20˚ to 25˚C. (68˚-77˚F)
Storage Temperature: -20˚ to 70˚C. (-4˚ - 158˚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 oered with Secondary Auxiliary Circuit Breakers)
- Fast Transfer
- Local Event Logger
- Long Life Battery
- Battery Thermal Runaway with Dry Contact
- Dry Contact Normally Open
- Dry Contact Normally Open and/or Normally Closed
- 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

Shock and Vibration	UNIT NAME		CAPACITY KW		INPUT VOLTAGES		OUTPUT VOLTAGES		TRANSFORMER		PHASE IN/OUT
SV-	PD	Power Ride 1	3.0	= 3kW	A	= 120V	0100	= 120V	N	No Transformer (Same Input and Output Volt)	1 Single Phase
			5.0	= 5kW	B	= 208V	1300	= 208V			
			6.0	= 6kW	D	= 240V	0400	= 240V			
			8.0	= 8kW	R	= 277V	2500	= 277V			
			010	= 10kW	H	= 480V Transformer	5800	= 120/240V	T	Transformer (Different Input & Output Voltages)	
			012	= 12.5kW				= 277/120V (50% Load)			
			015	= 15kW			5899	= 480V			
			017	= 17kW				= 480/277V (50% Load)			

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

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

KW	WT (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	58.75 X 70 X 30.5
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*

PERFECT POWERSYSTEMS