

Power Wave 4

Three Phase, 8kW to 400 kW

SHAKER TABLE TESTED AND *HCAI CERTIFIED (FORMERLY OSHPD)

Need a seismic upgrade? Our *HCAI Certified (formerly OSHPD) cabinets will protect your inverter from seismic activity when mother nature calls. With full capabilities of the Power Wave 4 series, this emergency lighting inverter will keep your emergency lighting on when things get shaky.





Scan QR Code For the latest product news, technical specs, drawings, guides and manuals.

*California Department of Health Care Access and Information

STANDARD FEATURES

*OSHPD

- 90 Minute Backup Design at Full Load
- Listed to UL924 and UL1778 Standards
- Self-Ballast Fluorescent, Incandescent, Halogen, Quartz Re-strike, HID, HPS and LED compatible
- True Online Double Conversion Technology with Zero Transfer Time
- 🔮 Pure Sinusoidal Waveform
- High Frequency Pulse Width Modulation (PWM) for Conditioned Power to the Load
- Internal Maintenance Bypass Switch
- Input Breaker, Output Breaker and DC Breaker

- Shaker Table Tested & Seismic Certified Enclosure
- HCAI Certified (Formerly OSHPD)
- Field Selectable: UPS Double Conversion or Green Mode (Standby)
- Independent Phase Control
- Global Monitoring (GMS 1): Local Event Logger with Memory (PC Connections vis RS232 and RS485) 500 Events
- Microprocessor Controlled LCD with visual status and Event indicators
- Self-Testing and Battery Exerciser with LCD Display

OPTIONAL FEATURES

- Global Monitoring (GMS):
 - GMS 2: Remote Monitoring with Local Network Connection (WiFi, Ethernet or Modem)
- Remote Status Panel
- Battery Monitoring (String or Per Battery)
- **TVSS Input Transient Voltage Surge** Suppressor (Class C)
- Dry Contacts Normally Open
- Dry Contacts Normally Closed
- Normally ON or Normally OFF Auxiliary Output Circuit Breakers (20 Max)
- **Custom Rated KAIC Breakers**
- 65 KAIC Total System Short Circuit Current Rating
- Thermal Runaway Control (IFC 1206.2)
- **External Maintenance Bypass Switch**
- Long Life Battery 20 Year Warranty
- Maintenance:
 - Extended Warranty
 - Preventative Maintenance Plans



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SPECIFICATIONS

Power Wave 4

Three Phase, [‡]HCAI Certified 10-500 kVA (8 to 400 kW)

*All units are 90 minutes battery backup time @ full load. Consult factory for backup times (up to 120 minutes). ⁺ HCAI Certified (formerly OSHPD)

SAFETY STANDARDS

UL924, UL1778, NFPA101, NFPA70, NEMA, and ANSI Listed to UL924 and UL1778 Standards

INPUT

AC Voltage: ±15% Frequency: 50/60Hz ±7

OUTPUT

AC Voltage Regulation: ±1% Wave Form: Sinusoidal Harmonic Distortion: Less than 2% THD Frequency Tolerance: ±0.1 Hz

PROTECTION

Overload: Less than 110% Load: Continuous, 125-150%: 5 min, Higher than 150%: 30 sec

BATTERY

Battery: Sealed, Maintenance-Free VRLA Batteries Recharge Time: Varies per kVA, conforms to UL924

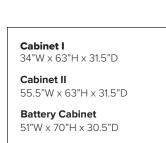
NOISE ISOLATION

Isolation: True Galvanic Isolated

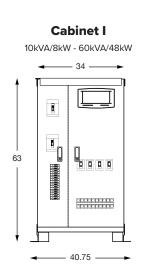
ENVIRONMENT (Electronics)

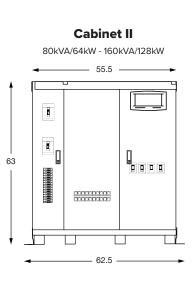
Operating Temperature: 0° to 40°C (0° - 104°F) Storage Temperature: -20° to 70°C (-4° - 158°F) Humidity: 0% to 90% (non-condensation) Altitude: Up to 5,000 ft Audible Noise: Less than 65dBA at 1 meter/39.4 in.

Cabinet Dimensions (Inches) Width x Height x Depth

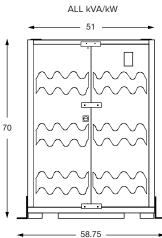


Each model comes with both inverter and battery cabinets. Larger capacity will require additional battery cabinets. Size and weight will vary depending on capacity.





Battery Cabinet



‡BTU/HR

Model Numbers

| MODEL | KVA/KW | INPUT | OUTPUT | | |
|--|---|--|--|--|--|
| MODEL SV-PW Shaker Table Tested Power Wave 4 | KVA/KW 010 10/8 020 20/16 030 30/24 040 40/32 050 50/40 060 60/48 080 80/64 100 100/80 120 120/96 160 160/128 200 200/160 240 240/192 300 300/240 | B 208Y/120 H 480Y/277 Model Num SV-PW010E SV-: Shaker PW: Power 010: 8kW B: Input: 20 | 05ATT3 208Y/120 09ATT3 480Y/277 <i>bber Example:</i> 305ATT3 Table Tested Wave 4 | | |
| | | | | | |

Weights

| INVERTER | | | STANDARD BATTERY (10YR) | | | | LONG LIFE BATTERY (20YR) | | | POWER | | |
|----------|-----|-------|-------------------------|--------|-----|-------|--------------------------|--------|-----|-------|--------|-------|
| CABINET | | 90MIN | | 120MIN | | 90MIN | | 120MIN | | MODE | | |
| KVA/KW | QTY | LBS | QTY | LBS | QTY | LBS | QTY | LBS | QTY | LBS | UPS | GREEN |
| 10/8 | 1 | 840 | 1 | 2430 | 1 | 2430 | 1 | 2975 | 1 | 2975 | 3374 | 1742 |
| 20/16 | 1 | 1083 | 1 | 3213 | 1 | 3416 | 1 | 3990 | 1 | 3990 | 8767 | 2873 |
| 30/24 | 1 | 1260 | 1 | 4361 | 1 | 4535 | 1 | 4135 | 1 | 5034 | 10120 | 4310 |
| 40/32 | 1 | 1414 | 2 | 3213 | 2 | 3416 | 1 | 5034 | 2 | 3990 | 12131 | 5747 |
| 50/40 | 1 | 1525 | 2 | 3427 | 2 | 3867 | 2 | 3990 | 2 | 4135 | 15164 | 5687 |
| 60/48 | 1 | 1724 | 2 | 3867 | 2 | 4923 | 2 | 4135 | 2 | 5034 | 18197 | 6824 |
| *80/64 | 1 | 2276 | 2 | 4615 | 1 | 3707 | 2 | 5034 | | 5024 | 0.4000 | 0000 |
| | | | | | 2 | 4729 | | | 3 | 5034 | 24263 | 9099 |
| *100/80 | 1 | 2984 | 1 37 | 3707 | 2 | 3416 | - 3 | 5034 | 3 | 5034 | 30329 | 11373 |
| | | | 2 | 4729 | 2 | 4923 | 3 | 5034 | 3 | 5034 | 30329 | |
| *120/96 | 1 | 3138 | 2 | 3416 | 4 | 4923 | 3 | 5034 | 4 | 5034 | 32395 | 10130 |
| | | | 2 | 4923 | 4 | | 3 | | 4 | 5034 | 32395 | 10130 |
| 160/128 | 1 | 3868 | * | * | * | * | 4 | 5060 | 5 | 5060 | 43193 | 13507 |
| 200/160 | 1 | 5746 | * | * | * | * | 5 | 5060 | 6 | 5060 | 53992 | 16884 |
| 240/192 | 1 | 6229 | * | * | * | * | 6 | 5060 | * | * | 64790 | 20206 |
| 300/240 | 1 | 7293 | * | * | * | * | * | * | * | * | 80988 | 25326 |
| 400/320 | 1 | 9061 | * | * | * | * | * | * | * | * | 94942 | 33768 |
| 500/400 | 1 | 10166 | * | * | * | * | * | * | * | * | 118678 | 42210 |

kW equates to real power. These units come in one capacity at 0.8 power factor. Example: 10kVA/8kW

*96kW - Standard Battery (10Yr) 90min: 4 cabinets * The approximation is worst case BTU output, measured during recharge following a discharge

Standard warranty is eighteen (18) months from ship date or twelve (12) months from start up, whichever occurs first. Optional second year warranty with factory

performed preventative maintenance available.

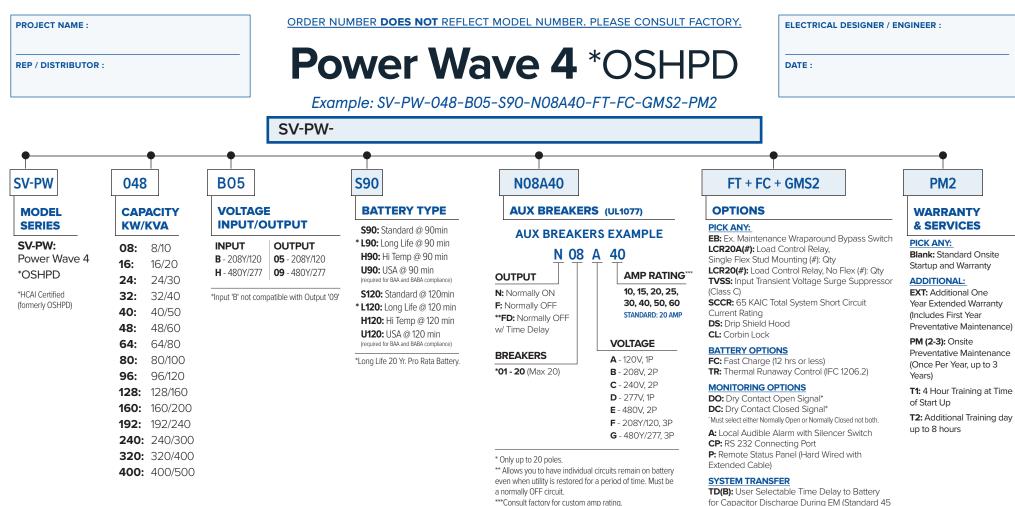






Warranty

ORDERING GUIDE



***Consult factory for custom amp rating.

Milliseconds)

PICK ONE: SM: String Monitoring BM: Battery Monitoring **BM-TS:** Temperature Sensor

TD(U): User Selectable Time Delay Back to Utility During Power Restoration for Facility Inrush **BATTERY MONITORING SYSTEM (BMS)**

GLOBAL MONITORING SYSTEM (GMS) GMS 2: Testing Logs with Remote Accessibility

Through Local Network

120-SV-OG-2-24



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