POWER RIDE I
Single Phase, 2.1 to 17kW

HID, Incandescent, Fluorescent, LED
120, 208, 240, 277, or 480 Volts
Listed to UL924 Lighting and UL1778 UPS by CSA

STANDARD FEATURES

- Back-lit LCD Display for monitoring
- System pre-wired for optional Global Monitoring System (GMS)
- Battery Breaker
- Inverter Test Switch
- Generator Compatible with Automatic Governor (Slew Rate 2Hz/sec.)
- Battery Management Software
- High Frequency PWM with Digital Signal Processing Technology
- Built-in Input Power Factor Correction

KEY FEATURES:

- Fast Transfer, Standby, and Double Conversion "no-break" online system are available
- Efficiency: 94% Online / 98% Standby/Fast Transfer (Typical)
- 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 backlit 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

PERFECT POWERSYSTEMS

www.perfectpowersystems.com
TECHNICAL SPECIFICATIONS

120, 208, 240, 277, or 480 VAC (-20% to +15%)

**Power Rating:** 2.1, 3.5, 6, 7.5, 8, 10, 12.5, 15 & 17 kW

**Input Voltage:** 2.1 - 5KW, 6KW: 120, 208, 240, 277, or 480 VAC (-20% to +15%) 7.5 - 17KW: 208, 240, 277, or 480 VAC (-15% to +15%) Voltage Regulator: ±3%

**Output Voltage (Inverter Operation):** 60Hz ±0.5Hz.

**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 Noise Isolation: Output is completely isolated from input and with multi voltages

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**Options**

- Secondary Auxiliary Circuit Breakers (up to 16 or 24 one-pole OCBS's): Normally On, Normally Off, Normally Off with Delay, Trip Alarm
- Dry Contact: With Single Common, N/O, N/C contacts with individual isolated Common
- Remote Status Panel Unit with Audio Alarm and Silence Switch
- Local Audio Alarm with Silence Switch
- Make Before Break Internal Maintenance Bypass Switch
- External Maintenance Bypass Switch (wrap around type)
- Main Input and/or Output Circuit Breaker (with custom KAIC)
- Input Transient Voltage Surge Suppressor (TVSS)
- Battery Thermal Runaway
- Harmonic Tolerance (up to K-50)
- EMI Filter
- Certified Zone 4 Seismic Bracket: Adds approx. 4” of additional floor space to each side of cabinet
- Extended Warranty and Service Plans
- Long Life Battery: Check with factory for number of cabinets
- Battery Monitoring System
- Event logging
- Monitoring via RS232 and RS485

Optional Global Monitoring System (GMS)

- Provide SNMP, MIB to monitor & log UPS status
- Auto-sense 10M/100M Fast Ethernet
- Manage & configure via Telnet, Web Browser or NMS
- Support TCP/IP, UDP, SNMP, Telnet, SNTP, PPP, HTTP, SMTP Protocol
- Sending both of SNMP TRAP and Email for events notification
- Auto email daily Battery Backup history report (configurable)
- Basic NetAgent: LAN or WiFi
- Advance NetAgent: LAN, WiFi, Dial-up Modem, or GPRS Modem

Consult Factory for more features and choices of remote communication. Specifications are subject to change without prior notification.

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**KW** | **Input/Output Voltages** | **MODEL NUMBERS** | **DC Volts** | **Cabinet Size (W x H x D)** | **Wgt (lbs)**
---|---|---|---|---|---
2.1 | 120/208, 240/277, or 480 | PD3.0A0100N1-VA | 96 | 39” x 68” x 18” | 826
 | | PD3.0B1300N1-VA | | | 826
 | | PD3.0D0400N1-VA | | | 826
 | | PD3.0R2500N1-VA | | | 896
 | | PD3.0X5800N1-VA | | | 996
 | | PD3.0X5800T1 | | | 996
 | | PD3.0X5800T1-VA | | | 1066
3.0 | 120/208, 240/277, or 480 | PD3.0A100N1 | 96 | 39” x 68” x 18” | 1101
 | | PD3.0B1300N1-VA | | | 1101
 | | PD3.0D0400N1-VA | | | 1101
 | | PD3.0R2500N1-VA | | | 1171
 | | PD3.0X5800N1-VA | | | 1171
 | | PD3.0X5800T1 | | | 1244
 | | PD3.0X5800T1-VA | | | 1244
5.0 | 120/208, 240/277, or 480 | PD5.0A100N1 | 120 | 39” x 68” x 18” | 1214
 | | PD5.0B1300N1-VA | | | 1214
 | | PD5.0D0400N1-VA | | | 1214
 | | PD5.0R2500N1-VA | | | 1284
 | | PD5.0X5800N1-VA | | | 1284
 | | PD5.0X5800T1 | | | 1284
 | | PD5.0X5800T1-VA | | | 1284
6.0 | 120/208, 240/277, or 480 | PD6.0A100N1 | 144 | 39” x 68” x 18” | 1224
 | | PD6.0B1300N1-VA | | | 1224
 | | PD6.0D0400N1-VA | | | 1224
 | | PD6.0R2500N1-VA | | | 1284
 | | PD6.0X5800N1-VA | | | 1284
 | | PD6.0X5800T1 | | | 1284
 | | PD6.0X5800T1-VA | | | 1284
7.5 | 208/208, 240/277, or 480 | PD7.5B1300N1 | 120 | 51” x 70” x 30.5” | 2190
 | | PD7.5D0400N1 | | | 2190
 | | PD7.5R2500N1-VA | | | 2350
 | | PD7.5X5800N1-VA | | | 2350
8.0 | 208/208, 240/277, or 480 | PD8.0B1300N1 | 192 | 39” x 68” x 18” | 2190
 | | PD8.0D0400N1-VA | | | 2190
 | | PD8.0R2500N1-VA | | | 2350
 | | PD8.0X5800N1-VA | | | 2350
 | | PD8.0X5800T1 | | | 2350
 | | PD8.0X5800T1-VA | | | 2350
10 | 208/208, 240/277, or 480 | PD10.0B1300N1 | 192 | 51” x 70” x 30.5” | 2695
 | | PD10.0D0400N1-VA | | | 2695
 | | PD10.0R2500N1-VA | | | 2695
 | | PD10.0X5800N1-VA | | | 2695
 | | PD10.0X5800T1 | | | 2870
 | | PD10.0X5800T1-VA | | | 2870
12.5 | 208/208, 240/277, or 480 | PD12.5B1300N1 | 192 | 51” x 70” x 30.5” | 3557
 | | PD12.5D0400N1-VA | | | 3557
 | | PD12.5R2500N1-VA | | | 3557
 | | PD12.5X5800N1-VA | | | 3557
 | | PD12.5X5800T1 | | | 3557
 | | PD12.5X5800T1-VA | | | 3557
15.0 | 208/208, 240/277, or 480 | PD15.0B1300N1 | 240 | 51” x 70” x 30.5” | 4172
 | | PD15.0D0400N1-VA | | | 4172
 | | PD15.0R2500N1-VA | | | 4172
 | | PD15.0X5800N1-VA | | | 4172
 | | PD15.0X5800T1 | | | 4172
 | | PD15.0X5800T1-VA | | | 4172
17.0 | 208/208, 240/277, or 480 | PD17.0B1300N1 | 240 | 51” x 70” x 30.5” | 4172
 | | PD17.0D0400N1-VA | | | 4172
 | | PD17.0R2500N1-VA | | | 4172
 | | PD17.0X5800N1-VA | | | 4172
 | | PD17.0X5800T1 | | | 4172
 | | PD17.0X5800T1-VA | | | 4172

*Input Voltage X: A=120 (2.1 - 6KW only), B=208, D=240, R=277, H=480 VAC
Output Voltage “S8”: 120/240, 208, 277, and 480 VAC

Consult factory for other power ratings.

All units are 90 minutes Battery Back-up time at Full Load.
For other back-up times (up to 6 hours), consult factory.