



**New Model replacing the PS6003rm3uXL**    *ho*  
**Up to 98% efficient under full load** with battery packs  
**Similar runtimes to the previous 3u model**

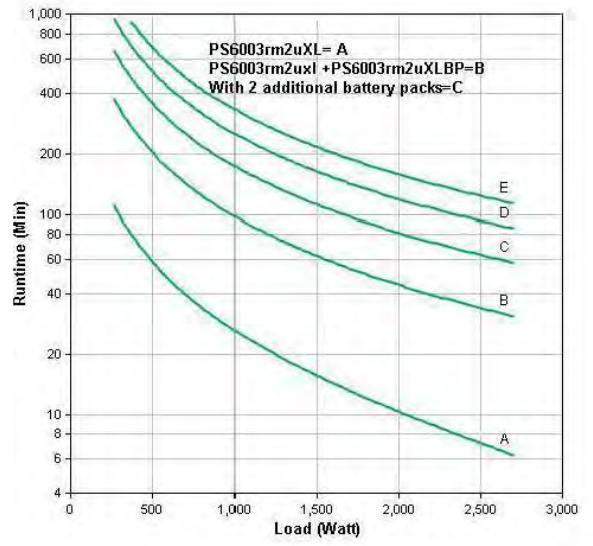
PS6003rm2u Document 4/11/13



connectors



runtime



***New LCD Display panel with Text readout***

new

PS6003rm2u new



**of Status /Alarms**

**Tower or Rack mounting- Front panel display can be rotated 90°. Tower feet included.**

**3ea. remotely controlled Switched Outlet Groups can be used to reboot "hung" equipment that is powered by the UPS**

Line Interactive type UPS wired for Delta power Shipboard use.

30G rated Dual pole AC MAINS input circuit breaker standard

High shock rated Dual Pole +100G input circuit breaker available

Output Power 2700 Watts / 3000 VA

Auto Boost /Trim voltage leveling without using Inverter

Temperature compensated battery charging for improved battery life

Varying levels of ruggedization available to meet your needs

Smart UPS tests itself and batteries periodically (normally 2 weeks)

Auto restart after a full run upon AC MAINS restoration

Cold Start capable- Can be used as a remote AC power source in the field

Hot swappable batteries –replace batteries through front panel while unit is online

Ethernet network cards with humidity /temperature sensing optional

"Front to Back air flow"

Full Sine wave Output -Output Voltage distortion <5% at full load

Output Frequency (sync to mains) 47 - 53 Hz for 50 Hz nominal, 57 - 63 Hz for 60 Hz nominal

Transfer Time 2-4 ms. This is less than ¼ of a cycle- your equipment should handle a 20ms hit.

Crest Factor up to 5: 1

Ground screw located on back panel

Output Connections (standard US model)

Other output connectors optional (**Military Spec available, contact us for other connections**)

**Input**

Nominal Input Voltage 120V, Input Frequency 50/60 Hz +/- 3 Hz (auto sensing)

Input cord NEMA L5-30p 8 ft. cord. (2.4m) standard -Mil Spec connector optional

Input voltage range for main operations 82 - 144V; Input voltage adjustable range for mains operation 75 - 154V

(3) NEMA 5-15R

(3) NEMA 5-20R

(1) NEMA L5-30r

or Mil connectors

### **Batteries & Runtime (A) UPS tray only – no additional battery cabinets**

Battery Type Maintenance-free sealed Lead-Acid battery with suspended electrolyte: leakproof

Typical recharge time 3 hour(s)

*Contact Powerstar for high temperature long life batteries available for this unit*

Typical Backup Time at Half Load 18 minutes (1350 Watts)

Typical Backup Time at Full Load 6.3 minutes (2700 Watts)

Typical Backup Time at 900 Watts= 30 minutes

### **Runtime with 1 additional 2u battery pack (124 lb) PS6003rm2uXLBP (B)**

Typical Backup Time at Half Load 70 minutes (1350 Watts)

Typical Backup Time at Full Load 31 minutes (2700 Watts)

Typical Backup Time at 900 Watts= 109 minutes

*See graph for adding more trays*

### **Interface Ports**

Communicate to the UPS using Powerchute™ software or use the keypad and status readout display on front panel.

**DB-9/RS-232, USB**, for Serial communications. Windows XP™ and above includes native drivers for this UPS. Connect a PC with Windows XP™ or above via USB and Windows will configure itself to work with the UPS for graceful shutdown capability. Use RS232 for legacy equipment.

**SmartSlot™ Interface** -accepts optional RJ45 Network card PS9630 or PS9631 Environmental monitor card.

Powerchute™ works with these cards as well for configuration, status and alarming. Powerchute™ software works with these OS: Linux, Solaris, Solaris 86, Windows 2003, Windows 2008, Windows XP, Vista, Windows7

**PS9630 Network Card RJ45:** Protocols: HTTP, HTTPS, IPv4, IPv6, NTP, SMTP, SNMP v1, SNMP v3, SSH V1, SSH V2, SSL, TCP/IP, and Telnet. Radius Authentication.

**PS9631 Network card with Environmental monitoring:** As above, also includes temperature and humidity sensors.

**Emergency Power OFF** contacts- connect an external low current low voltage SPST switch to disable UPS for fire or other emergency.

**Control panel** can be custom

LED status display has 4 LEDs: *On Line*, *On Battery*, *Fault*, and *Replace battery* Indicators

**NEW! LCD alphanumeric 1-line readout on front panel.** This reads out alarms when present or status including a Load meter in Amps or kWh, input Volts, output Volts and battery status including Voltage, state of charge, estimated runtime available. This panel can also be used to update or configure the UPS with 4 key buttons (up, down, Enter, ESC)

**UPS on/ off** push button

Audible Beep Alarm -Alarm when on battery: distinctive low battery alarm: configurable delays

### **Protection**

Surge energy rating 540 Joules

Filtering- Full time multi-pole noise filtering: 0.3% IEEE surge let-through: zero clamping response time: meets UL 1449

### **PS6003rm2uXL Dimensions**

Maximum Height 3.35 inches (85mm) x Width 17 inches (432mm)

Maximum Depth 26.26 inches (667mm) -Rack height=2U

Net Weight 85 lbs. (39 kg)

Shipping Weight 100 lbs. (46 kg)

Shipping Height 10 inches (245 mm)x Shipping Width 23.5inches (596 mm)x Shipping Depth 34.7 inches (869 mm)

Color- Gun Metal Black

Mounting rail kit included for rack mounting

### **Operating Environment**

\* 32 to +104 °F (0 - 40 °C) (battery dependant) *We have a Premium battery option to extend this to -15°C to +50°C charge rating / -25° to +60 °C discharge rating*

Operating Relative Humidity 0 - 95% *optional Can be conformal coated upon request*

Operating Elevation 0-10000 feet (0-3000 meters)

Storage Temperature 5 - 113 °F (-15 - 45 °C)- Storage period 6 months @25°C without recharging.

Storage Relative Humidity 0 - 95%

Storage Elevation 0-50000 feet (0-15000 meters)

Audible noise at 1 meter from surface of unit 55 dBA

Online Thermal Dissipation: **276 BTU /hr** -*This is 100 BTU less than the previous model PS6003rm3uxl*

### **Regulatory Approvals Conformance**

PS6003rm2uXL BSMI,CSA,EN 50091-2,EN 55022 Class A,FCC Part 15 Class A,NOM,TUV,UL 1778,VCCI Class A, ROHS exemption 7B

Built "for" MIL-STD-1399, MIL-STD-901D grade B shipboard

Motherboard manufactured in ISO 9001:2008 factories

### **PS6003rm2uXLBP**

#### **High capacity battery cabinet with rear mounted power connectors. 1200VA/hr**

These 2 rack unit trays can be daisy chained together to increase runtime and will be charged by the UPS. The UPS now can sense additional trays so no additional programming required.

Rail kit for 4 post rack mounting is included.

Maintenance free leakproof sealed Lead Acid batteries with suspended electrolyte

Operating temperature range 0°C to 40°C with std. battery pack (PSRBC6003rm2uXL) 3-5 year life rating

Optional extended temperature range -15°C to +50°C for charging and +60° discharge rating with **Powerstar Extended battery pack.** (PSRBC6003rm2uxl-N) 3-5 year life@25°C

***The Powerstar Premium Pack** A long life extended temperature range pack is also available (PSRBC6003rm2uXL-H) has an extended life expectancy of 8-10 years @25°C with normal cycling*

### **Battery tray Dimensions**

Maximum Height 3.36 inches (86 mm) x Maximum Width 19.00 inches (483 mm)

Maximum Depth 26.26 inches (667 mm) -Rack Height 2U

Net Weight 124 lbs. (56 kg) Shipping Weight 140 lbs. (64 kg)

Shipping Height 9.6 inches (245 mm)x 24.00 inches (610 mm) x 34.5 inches (870 mm)

Color- Gun Metal Black

Mounting rails included for rack mounting – Feet for vertical installation.

ROHS 7b exemption, Reach, Contains no SVHCs

Powerstar offers 2 year warranty on parts and labor

Made in USA

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*Optional Ethernet card shown installed*