PS6003rm4uXL-SMX
Shipboard UPS 19" deep 3KVA 2700W

- **3KVA 2700W Line interactive 120V Shipboard UPS, Wired for Δ Delta Power**
- **SHALLOW 19"depth (483mm) Ruggedization can be added**
- **Convertible model can be converted to Tower 17" tall x 19" deep x 7" wide   - Front panel can be rotated for easy reading.**
- **2700 Watts output power /2880 VA**
- **USB connection to PC or add Ethernet; EPO contacts included**
- **XL Extended runtime model; add a 4u x19" battery tray for 30 minutes @ 2700W**
- **Includes: CD with software, Documentation CD, Rack Mounting brackets, Smart UPS signaling RS-232 cable, USB cable, User Manual**

Nominal Output Voltage 120V *We also have 208V and 230V models available.*
Output Voltage Distortion Less than 5%
Output Frequency (sync to mains) 50/60Hz +/- 3 Hz
Crest Factor 3 : 1
Line Interactive transfers to battery in 2-4ms (*less than a ¼ of a Hertz)*
Full Sine wave output on battery
Energy Star Rated 98% @100% Load
97% efficient @ 25% Load
AVR Auto Voltage Regulation levels output voltage without running Inverter
Add up to 4 extra battery trays for increased runtime.
Output (6) NEMA 5-15r & (3) 5-20r & (1) L5-30r or Military MS style connectors
Input
Nominal Input Voltage 120
Input Frequency 50/60 Hz +/- 3 Hz (auto sensing)
L5-30P Cord Length 6 feet (1.83 meters) MS option.
Input voltage range for main operations 70V - 153V
Transfer Time 2-4 ms

PowerStar Inc. PS6003rm4uXL 120Vac 2700W

Batteries & Runtime
Battery Type Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof AGM
Typical recharge time 3 hour(s)**
Replacement Battery **PSrbc143** or **PSrbc143h** Premium 8-10 year long life (-20°C to +50°C)
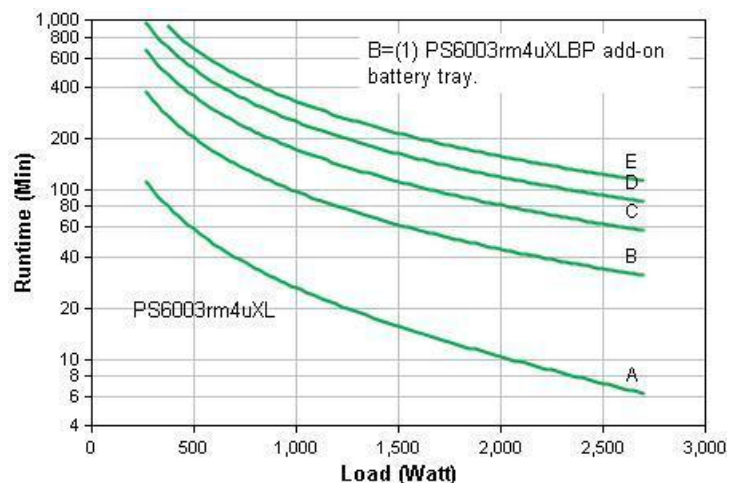6.3 minute @2700W
18 minute @ 1350W
30 minute @ 900W
Extended Run Options on graph (*See **PS6003rm4uXLBP** battery tray info below)*
A= UPS with no additional Battery tray
B=UPS + (1) PS6003rm4uXLBP (8u total)
C=UPS + (2) PS6003rm4uXLBP (12u total)

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D=UPS+(3) PS6003rm4uXLBP *Curve fit to measured runtime data. All measurements taken with new, fully charged batteries, at typical*

environmental conditions, with no electrical input and balanced resistive load (PF = 1.0) output.

**The time to recharge to 90% of full battery capacity following a discharge to shutdown using a load rated for 1/2 the full load rating of the UPS.

Communications & Management

Interface Port(s)

➢ **USB** serial control: Windows ™XP and above will recognize this UPS when they are attached with USB and Windows™ will configure itself with its own drivers for graceful shutdown and UPS operation. Powerchute™ Software also provided for UNIX, Linux, Windows.

➢ **RS232 S20 port RJ50x** *Note: this RS232 port is a new generation port and is not compatible with previous generation software. RJ50x/ DB9 dongle is supplied.' Dumb' signaling not supported-* see our PS9620 card below. The S20/RJ50x port DOES support latest version of APC brand Powerchute© software.

➢ **EPO** Emergency Power Off (EPO)port is standard- Shutdown the UPS output with a low voltage, low current NO/NC switch. (e.g., fire / smoke detector alarm sensor, or panic button)

➢ **SmartSlot™ Interface** see all the Optional cards for this single rear mounted slot elsewhere on this brochure †

Control panel

➢ 4 LED lamps display status with **On Line : On Battery : Replace Battery** and **Overload** indicators,

➢ **NEW! Multi-function LCD** status **Alphanumeric 2 line TEXT** readout. Display the I, V, VA, Estimated Runtime,% of Battery Charge, estimated battery life etc. on the 2 line display in a text format. 4 push buttons to scroll the different displays: **↑, ↓, Enter, Escape**

➢ On/ Off Bar Button *(OFF command requires multiple steps to turn off the UPS)*

➢ Audible Alarm BEEP! when on battery : distinctive low battery alarm : configurable delays *(Press any key to disable beeping).*

Surge Protection and Filtering

Surge energy rating 645 Joules

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

Data Line Protection

Physical dimensions for UPS in Tower configuration

Maximum Height 17.00 inches (432 mm)

Maximum Width 7.00 inches (178 mm)

Maximum Depth 19.00 inches (483 mm)

Physical dimensions for UPS RACK Configuration

Rack Height 4U ; 7 inches

Depth 19" deep

Net Weight 85.00 lbs. (38.64 kg)

Shipping Weight 105.00 lbs. (47.73 kg)

Shipping Height 13.00 inches (330 mm)

Shipping Width 23.06 inches (586 mm)

Shipping Depth 24.94 inches (633 mm)

Color Gunmetal Black

Units per Pallet 6.00

# of Layers per Pallet 4

# of Units per Layer per Pallet 2

Pallet Weight 855.12 lbs. (388.69 kg)

Environmental

Operating Environment

32 - 104 °F (0 - 40 °C) with standard battery or -20°C to +50°C with our Premium battery set *(h)*

Operating Relative Humidity 0 - 95%

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

Storage Temperature 5 - 113 °F (-15 - 45 °C)

Storage Relative Humidity 0 - 95%

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

Audible noise at 1 meter from surface of unit 55.00 dBA

Online Thermal Dissipation 276 BTU/hr

Conformance
Regulatory *BSMI, CSA, EN 50091-2, EN 55022 Class A, FCC Part 15 Class A, NOM, TUV, UL 1778, VCCI Class A*
RoHS Compliant   REACH: Contains No SVHC
Standard Warranty 2 years repair or replace (excluding battery) and 2 year for battery.

* PS6003rm4uXLBP add on battery tray

Batteries
120VDC Battery output voltage
Battery Volt-Amp-Hour Capacity 1200
Battery Type Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof
Battery mounting Enclosed battery cartridge
Typical Battery Life

- 3-5 years for Standard cells @25°C.
- 8-10 year life on Premium Cells @25°C
  (Number of full discharges also affects battery life)

Physical
Net Weight 60.91 KG
Maximum Height 178 mm
Maximum Width 432 mm
Maximum Depth 483 mm -19"
Shipping Weight 65.45 KG
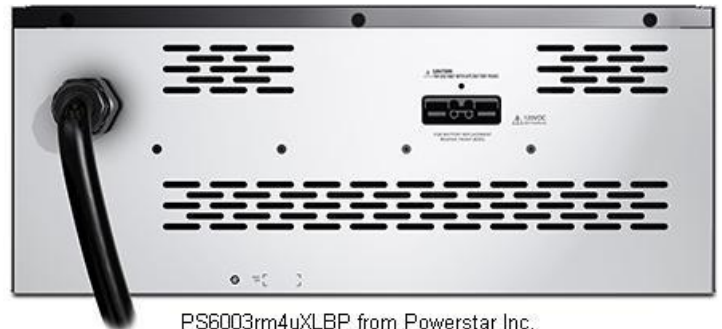Shipping Width 586 mm
Shipping Height 330 mm
Shipping Depth 633 mm
Rack Height 4U
Color Black
Rail kit for mounting in 4 post 19" rack included.

PS6003rm4uXLBP from Powerstar Inc.

†Optional Add on Cards for the SmartSlot:

 SmartSlot™ option port may be used *for:*

- ***PS9630*** SNMP Ethernet Network card 10/100 Base T Protocols *HTTP, HTTPS, IPv4, IPv6, NTP, SMTP, SNMP v1, SNMP v2c, SNMP v3, SSH V1, SSH V2, SSL, TCP/IP, Telnet.* Radius Authentication. Use APC brand Powerchute© software to monitor UPS from afar. Send messages that your site has lost ACMAINS.   Provide graceful shutdown of computers as batteries near depletion.

Powerstar Inc.
PS9630 SNMP
Ethernet card

- ***PS9613*** multi I/O control card. (dry contact switching) Both inputs and outputs. Dumb signaling (Hi /LO) capable. Screw terminations are done on card then card is inserted and the connections are protected inside the cabinet. Software and Dipswitch configuration. An external Temperature/ humidity

PS9613

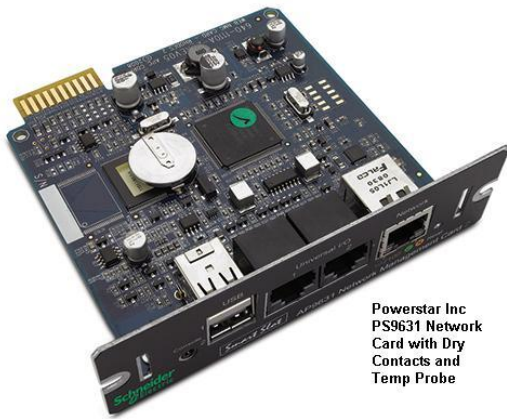Dry contact card

Cable entrance port

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probe may be attached to this card. **AP9335TH**. A **PS9810** dongle can be attached if additional contacts are needed.

- **PS9620** DB9 RS232 port supports previous generation Powerchute™. 'Dumb signaling' is supported.   This card emulates previous generation APC and Powerstar UPS DB9 serial port.

- **PS9631 Do-it-all** *card. Environmental monitor /SNMP/ Dry contacts card.* This card can have an **AP9335TH** external temperature and humidity probe attached. A **PS9810** dry contact dongle can also be attached. Ethernet capability as like the PS9630 card. USB, Dry Contact port, Temperature /Humidity probe port, Ethernet port
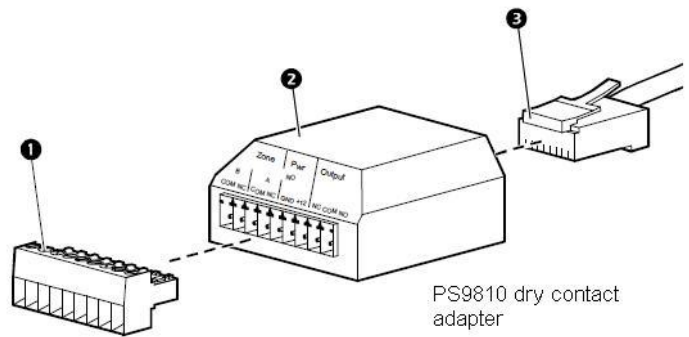

PS9620
Legacy Card
DB9 Port

Powerstar Inc
PS9631 Network
Card with Dry
Contacts and
Temp Probe

AP9335th Temp & Humidity probe for PS9631

PS9810 dry contact adapter

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