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Model #: SMX1000RT2U

SmartPro Rack/Tower UPS - Intelligent, line interactive network power management system

Highlights



- 1000VA / 1kVA line interactive 2U rack / tower UPS
- Maintains sine-wave 230V nominal output during brownouts to 159 and overvoltages to 282V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 2 two-outlet load banks
- Input: C14 inlet (230V) / Output: 6 C13 (230V) / Jumpers: Includes 2 C13 to C14 cables
- 2 year warranty

Description

Tripp Lite's SMX1000RT2U intelligent, line interactive rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure, with included accessories for upright tower placement. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 159 to 282V. 1000VA/700 watt power handling capability and full time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes a total of 6 outlets with 2 load banks that are individually controllable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency situation. Multi-function audible alarms and set of 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme. Two year warranty.

Applications

Ideal for protection of file servers, network accessories and telecommunications equipment in server rooms, internetworking closets, co-location racks, kiosks and a variety of other locations. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

- UPS System with 4 post rackmount hardware
- Two 1.8m IEC320-C13 to C14 load jumper cables
- Cabling for USB & DB9 monitoring and EPO switching
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Warranty information and instruction manual

Features

SMX1000RT2U line interactive UPS offers battery derived sine wave AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
1000VA/700 watt power handling capability with full-time sine wave output offers guaranteed compatibility with networking, telecom and other

sensitive electronic devices

Supports 2U rackmount installation in 4 post rack enclosures, upright tower placement also supported (2 post installation supported with optional 2POSTRMKITWMM accessory)

Large internal batteries offer runtimes of 17 minutes at half load (500VA/350 watts) and 7 minutes at full load (1000VA/700 watts)

Maintains regulated 230V nominal output during brownouts and overvoltages from 159 to 282V

Includes 6 UPS-supported outlets with 2 individually controllable load banks (2 outlets per bank) that can be powered off and back on again via software interface

PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands.

Offers simultaneous monitoring by up to 2 directly-connected devices through included USB and DB9 interface ports, or the monitoring by any number of additional servers over IP with included PowerAlert monitoring software.

Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity

Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for delayed or immediate reboot of connected devices

Supports Tripp Lite's WatchDog software application to restore operation to locked equipment through soft reboot of application, OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications (requires optional WATCHDOGSW)

Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter

Emergency Power Off (EPO) interface with cable

Multi-function audible alarms and set of 5 front panel LEDs

Network-grade AC surge suppression

Attractive all-black color scheme

UPS battery set ships fully assembled, no time consuming connection of internal batteries by user is necessary

Two year warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	230V AC
Frequency compatibility	50/60 Hz auto-sensing
OUTPUT	
Output VA	1000
Output watts	700
Output nominal voltage	230V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 230V (-21% +8%), BATTERY MODE: Sine wave output within 5% of 230V
Output frequency regulation	LINE MODE: Passes line frequency of 50/60Hz +/-10% BATTERY MODE: Inverter output regulated to 50/60Hz +/-1Hz
Outlet quantity / type	6 IEC-C13
Customized load management receptacles	Includes 2 load banks, each with 2 outlets that support load shedding and remote reboot on demand of locked network devices. Controllable via PowerAlert software to switch off optional loads, like monitors, to increase available runtime for servers and other critical devices
Overload protection	Via 10A input breaker
INPUT	
Maximum input amps	3.4A
Input connection type	IEC-C14
Input cord length	Includes two 1.8m IEC320-C13 to C14 interconnection cables (additional C13 to C14 interconnection cables available, part# P004-006)
BATTERY	
Full load runtime	9 minutes (1000VA)7 minutes (1000VA)

Half load runtime	21 minutes (500VA)17 minutes (500VA)
DC system voltage	24 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC92-2U
VOLTAGE REGULATION	
Voltage regulation description	Line interactive voltage regulation system corrects brownouts as low as 159 volts back to usable 220-240V nominal levels
Overvoltage correction	Input voltages between 245 and 282 are reduced by 12%
Brownout correction	Input voltages between 159 and 199 are boosted by 14%
LEDS ALARMS & SWITCHES	
Front panel LEDs	LEDs 5 front panel LEDs - Green POWER LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LEVEL LED, red BATTERY WARNING LED.
Alarms	Audible alarm warns of power failure, overload, UPS fault and low battery conditions
Switches	Includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
SURGE / NOISE SUPPRESSION	
AC surge suppression	480 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	36
Shipping weight (kg)	16.3
Shipping Dimensions (HWD/in)	9 x 24 x 20.25
Shipping Dimensions (HWD/cm)	22.9 x 61 x 51.4
Unit weight (lbs)	33.4
Unit weight (kg)	15.2
Unit Dimensions (HWD/in)	3.5 x 17.5 x 13.5
Unit Dimensions (HWD/cm)	8.9 x 44.5 x 34.3
Material of construction	Steel
Form factors supported	Rack (2U)
Cooling method	Fan
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius

Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
COMMUNICATIONS	
Network monitoring port	Includes 2 built-in monitoring ports, 1-USB & 1-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status
Software and cabling included	Includes PowerAlert UPS monitoring software for network and standalone operating systems. Ships with complete USB and DB9 cabling.
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	159V (resets to line power as line voltage increases to 167 or higher)
High voltage transfer to battery power	282V (resets to line power as line voltage decreases to 274 or lower)
SPECIAL FEATURES	
EPO port	Includes RJ11 EPO (emergency power off) port and cable
TVSS grounding	Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a safe grounding point
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive all-black color scheme
CERTIFICATIONS	
Certifications	Tested to UL1778, CE EN62040, GOST, SASO, IRAM
WARRANTY	
Product Warranty Period	2 years

Related Items

Power Distribution		
PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	Qty: [optional]
Rackmount/Wallmount Kits		
2POSTRMKITWM	Universal 2-Post Rackmount Kit (Supports 2U to 4U UPS systems and battery packs.)	Qty: [optional]
SNMP Accessories		
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or telnet.	Qty: [optional]
Software		
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]
Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]

DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]
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Tower Stands		
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2-9USTAND	Tower Stand - Expandable Tower Base Stand UPS Accessory	Qty: [optional]
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USB Hubs/Accessories		
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U022-010	USB Cable - 10-ft. USB 2.0 AB Gold Device Cable	Qty: [optional]
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More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=2798.