

SmartPro Rack/Tower UPS

Intelligent, line interactive network power management system



Model #: SMX500RT1U

- ▶ 500VA line interactive 1U rack/tower UPS
- ▶ 6 outlets with 1 pair of switchable load banks
- ▶ Simultaneous communications via SNMPWEBCARD slot, USB and DB9 serial ports
- ▶ Included PowerAlert UPS monitoring software manages an unlimited number of network UPS systems
- ▶ Built-in voltage regulation corrects brownouts to 187V
- ▶ 2 year warranty

DESCRIPTION

Tripp Lite's SMX500RT1U 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 one rack space (1U) in a 2 or 4 post rack, with included accessories for upright tower placement. Large internal batteries offer 17 minutes half load runtime and 5 minutes at full load. Maintains regulated 230V nominal output without using battery power during brownouts as low as 187V. 500VA / 300 watt power handling capability is compatible with networking, telecom and other sensitive electronic applications. Includes a total of 6 outlets with a single pair of outlets that can be individually controlled via software interface to reboot select equipment on demand or automatically shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous 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.

KEY BUYING POINTS

- SMX500RT1U line interactive UPS offers battery derived AC output during power outages, voltage regulation during brownouts, plus network-grade AC surge suppression
- 500VA / 300 watt power handling capability compatible with networking, telecom and other sensitive electronic devices
- Supports 1U rackmount installation in 2 or 4 post rack enclosures, upright tower placement also supported - mounting accessories included
- Large internal batteries offer runtimes of 17 minutes at half load (250VA / 150 watts) and 5 minutes at full load (500VA / 300 watts)
- Maintains regulated 230V nominal output during brownouts as low as 187V
- Includes 6 UPS-supported outlets, with one pair of individually controllable outlets that can be powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, pager & email notification, event logging and running user-defined script commands. PowerAlert is compatible with all major competitive UPS brands
- 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. Free PowerAlert Enterprise Management software is also available upon request for NMS style management of UPS systems network-wide from Tripp Lite and major competitors
- 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 scheduled 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

TYPICAL 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.

OPTIONS & ACCESSORIES

- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- USB Hubs-accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Power Distribution: [PDU12IEC](#)
- Watchdog software: [WATCHDOGSW](#)

PACKAGE INCLUDES

- SMX500RT1U UPS System with mounting 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

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Line interactive 1U rack / tower UPS protects internetworking and telecommunications equipment from blackouts, brownouts, surges and line noise. Maintains AC output during blackouts and continuously corrects brownouts as low as 187 volts back to usable levels. Supports enhanced monitoring of UPS and line power conditions via built-in USB and DB9 serial ports, included PowerAlert monitoring software and complete cabling. Includes slot for SNMPWEBCARD accessory. Built in load management bank offers remote reboot of selected loads via software interface or automated load shedding to enhance battery runtime for the most critical loads during blackouts. Supports 1U rackmount and upright tower form factors with included mounting hardware.
Voltage compatibility:	Compatible with 220-240V nominal applications
Frequency compatibility:	50/60 Hz auto-sensing
OUTPUT	
Output volt amp capacity (VA):	500
Output watt capacity (watts):	300
Output nominal voltage:	230V
Output voltage regulation:	"LINE MODE: Sine wave line voltage 230V (-8% +15%), BATTERY MODE: Step sine wave output within 10% 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 IEC320-C13
Customized load management receptacles:	Includes 1 load bank of 2 outlets that support automated load shedding and remote reboot

	on demand of locked network devices. Configurable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.
Overload protection:	Via 8A input breaker
INPUT	
Maximum input amps:	2.4A
Input connection type:	IEC320-C14 inlet accepts a variety of replacement cordsets to accommodate country or site specific input cords
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:	5 min. (500VA)
Half load runtime:	17 minutes (250VA)
DC system voltage:	12 VDC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description:	Line interactive voltage regulation system corrects brownouts as low as 187 volts back to usable 220-240V nominal levels
Brownout correction:	Input voltages between 187 and 207 are boosted by 14%
LEDS ALARMS & SWITCHES	
Front panel 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:	1800 joules
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	21
Shipping weight (kg):	9.5
Unit weight (lbs):	18
Unit weight (kg):	8.2
Unit Dimensions (HWD/in):	1.75 x 17.5 x 11.75
Unit Dimensions (HWD/cm):	4.45 x 44.5 x 29.8
Shipping Dimensions (HWD/in):	5 x 22.5 x 16
Shipping Dimensions (HWD/cm):	12.7 x 57.2 x 40.6
Material of construction:	Steel
Form factors supported:	1U rackmount and upright tower
Battery Access:	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Operating Temperature:	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius

Storage Temperature:	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity:	0 to 95%, non-condensing
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:	187V (resets to line power as line voltage increases to 195V or higher)
High voltage transfer to battery power:	264V (resets to line power as line voltage decreases to 256 or lower)
CERTIFICATIONS	
Certifications:	CE EN62040 listed
WARRANTY	
Product warranty:	2 Years
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

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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