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Model #: SMX500RT1U

SmartPro .5kVA Line Interactive UPS, SNMPWEBCARD option, 1U Rack/Tower, USB, Serial, EPO, 230V

Highlights

- 500VA line interactive 1U rackmount UPS
- Maintains sine-wave 230V nominal output during brownouts to 187 and overvoltages to 252V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via single-outlet load bank
- Input: C14 inlet (230V) / Output: 6 C13 (230V) / Jumpers: Includes 1 C13 to C14 cable
- 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 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.

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

Features

- 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, 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
- C14 inlet accepts user-supplied AC power cord with country specific plug
- 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

OUTPUT	
Output Volt Amp Capacity (VA)	500
Output Watt Capacity (watts)	300
Output power factor	0.6
Nominal Output Voltage(s) Supported	230V
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	-8%, +15%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	6 C13 outlet(s)
Included output power cables	Two 1.8m IEC320-C13 to C14 load jumper cables
Built-in controllable switched load banks	One switchable two-outlet C13 load bank
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	2.4A
Nominal Input Voltage(s) Supported	230V AC
UPS input connection type	C14 inlet

UPS input connection description	C14 inlet accepts user-supplied AC power cord with country-specific plug
Input circuit breaker	8A
BATTERY	
Full load runtime (minutes)	5 min. (300w)
Half load runtime (minutes)	17 min. (150w)
DC system voltage (VDC)	12
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC62-1U
Battery Access	Battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 187
Undervoltage correction	Input voltages between 187 and 207 are boosted by 14%
LEDS ALARMS & SWITCHES	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure, overload and low-battery conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	480 joules
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting kit included); 2 post 19 inch rackmount (mounting kit included)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	1.7 x 17.5 x 11.8
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	4.4 x 44.4 x 29.8
Installed whole system total rack space height (rack spaces)	1U

UPS / Power Module weight (lbs)	18
UPS / Power Module weight (kg)	8.2
UPS Shipping dimensions (height x width x depth / inches)	5 x 22.5 x 16
UPS Shipping dimensions (height x width x depth / cm)	12.7 x 57.2 x 40.6
Shipping weight (lbs)	21
Shipping weight (kg)	9.5
UPS housing material	Steel
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC mode BTU / hr. (full load)	53.7
Battery mode BTU / hr. (full load)	358.4
COMMUNICATIONS	
Communications interface	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions
PowerAlert software	Included
Communications cable	USB and DB9 cabling included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
LINE / BATTERY TRANSFER	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	187
High voltage transfer to battery power (setpoint)	264
SPECIAL FEATURES	
Grounding lug	Back panel grounding lug
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
Green & high efficiency features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
CERTIFICATIONS	

UPS Certifications	Tested to CE (EU); Tested to GOST (Russia); Tested to SASO (Saudi Arabia); Tested to IRAM (Argentina)
UPS Certification details	CE: EC62040
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2-year limited warranty

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Power Distribution	PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
USB Hubs/Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Software	WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	-
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-
UPS Accessories	MODBUSCARD	For remote monitoring and control via MODBUS protocol	-

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=2691.

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