Model #: SMX500RT1U

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

Highlights

- 500VA line interactive 1U rack/tower UPS
- 230V nominal output during brownouts to 187V and overvoltages to 252V
- USB, RS232, EPO and optional SNMP/Web card interface
- Front panel status LEDs; 1 switched output load bank
- C14 input; 7 C13 outlets; 2 C13 to C14 cables

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 14.6 minutes half load runtime and 3.2 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 7 IEC C13 outlets (6 UPS with a single outlet 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, and 1 surge-only receptacle. Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB, DB9 monitoring ports, and SNMP accessory slot. 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.

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

- Tripp Lite SMX500RT1U .5 kVA / 500VA / 300 watt line interactive UPS
- 1U rack / tower compatible form factor
- IEC C14 input; 7 IEC C13 output receptacles
- Installed depth of only 11.8 in / 29.8 cm
- Large internal batteries offer runtimes of 14.6 minutes at half load (250VA/150 watts) and 3.2 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 single-outlet load bank for remote load shedding or rebooting of an individual device
- PowerAlert UPS monitoring software enables detailed site power and UPS status updates with support for unattended shutdown of connected systems as UPS batteries become depleted
- Supports detailed monitoring of equipment load levels,self-test data, and utility power condition via built-in RS-232 and USB interfaces
- HID-compliant USB interface enables integration with built-in power management and auto-shutdown of windows and Mac OS X
- Optional SNMPWEBCARD offers communications and control via secure remote web and network interfaces
- 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)

- 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
- Field-replaceable, hot-swappable internal UPS batteries

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	500
Output Watt Capacity (watts)	300
Output power factor	0.6
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage details	230v nominal inverter output voltage
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
Surge suppression only outlets	6 UPS outlets, 1 surge-only outlets
Built-in controllable switched load banks	One switchable single-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)	3.2 min. (300w)

Half load runtime (minutes)	14.6 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 rail kit included); 2 post 19 inch rackmount (mounting rail 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); ROHS (Restriction of Hazardous Substances)

UPS Certification details	CE: EC62040

WARRANTY	
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	2-year limited warranty

Related Items

Optional Products

Related Model	Description	Qty.
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1
MODBUSCARD	For remote monitoring and control via MODBUS protocol	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at

www.tripplite.com/en/products/model.cfm?variables.txtModelID=2691.