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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                                     |

|   |   |
|---|---|
| <b>UPS input connection description</b>   | C14 inlet accepts user-supplied AC power cord with country-specific plug  |
| <b>Input circuit breaker</b>  | 8A  |
| <b>BATTERY</b>  |   |
| <b>Full load runtime (minutes)</b>  | 5 min. (300w)   |
| <b>Half load runtime (minutes)</b>  | 17 min. (150w)  |
| <b>DC system voltage (VDC)</b>  | 12  |
| <b>Battery recharge rate (included batteries)</b>   | Less than 4 hours from 10% to 90%   |
| <b>Replacement battery cartridge (internal UPS battery replacement)</b>                       | <a href="#">RBC62-1U</a>  |
| <b>Battery Access</b>   | Battery access door   |
| <b>Battery replacement description</b>  | Hot-swappable, user replaceable batteries   |
| <b>VOLTAGE REGULATION</b>   |   |
| <b>Voltage regulation description</b>   | Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 187                            |
| <b>Undervoltage correction</b>  | Input voltages between 187 and 207 are boosted by 14%   |
| <b>LEDS ALARMS &amp; SWITCHES</b>   |   |
| <b>LED Indicators</b>   | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status                        |
| <b>Alarms</b>   | Audible alarm indicates power-failure, overload and low-battery conditions  |
| <b>Alarm cancel operation</b>   | Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status |
| <b>Switches</b>   | 2 Switches control off/on power status and alarm-cancel/self-test operation   |
| <b>SURGE / NOISE SUPPRESSION</b>  |   |
| <b>UPS AC suppression joule rating</b>  | 480 joules  |
| <b>EMI / RFI AC noise suppression</b>   | Yes   |
| <b>PHYSICAL</b>   |   |
| <b>Installation form factors supported with included accessories</b>                          | 4 post 19 inch rackmount (mounting kit included); 2 post 19 inch rackmount (mounting kit included)                            |
| <b>Primary form factor</b>  | Rackmount   |
| <b>UPS / Power Module dimensions in primary form factor (height x width x depth / inches)</b> | 1.7 x 17.5 x 11.8   |
| <b>UPS / Power Module dimensions in primary form factor (height x width x depth / cm)</b>     | 4.4 x 44.4 x 29.8   |
| <b>Installed whole system total rack space height (rack spaces)</b>                           | 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   |
| <b>ENVIRONMENTAL</b>  |   |
| 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   |
| <b>COMMUNICATIONS</b>                                       |   |
| 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 |
| <b>LINE / BATTERY TRANSFER</b>                              |   |
| Transfer time   | 2-4 milliseconds  |
| Low voltage transfer to battery power (setpoint)            | 187   |
| High voltage transfer to battery power (setpoint)           | 264   |
| <b>SPECIAL FEATURES</b>                                     |   |
| 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             |
| <b>CERTIFICATIONS</b>                                       |   |

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

## Related Items

### Optional Products

| Product Type         | Related Model               | Description   | Qty. |
|----------------------|-----------------------------|---|------|
| Power Distribution   | <a href="#">PDU12IEC</a>    | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | -    |
| SNMP Accessories     | <a href="#">SNMPWEBCARD</a> | For remote monitoring and control via SNMP, Web, or Telnet.   | -    |
| SNMP Accessories     | <a href="#">ENVIROSENSE</a> | Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)        | -    |
| USB Hubs/Accessories | <a href="#">U022-010</a>    | 10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)  | -    |
| Software             | <a href="#">WATCHDOGSW</a>  | WatchDog Service Monitoring / Reboot Software   | -    |
| Surge Protectors     | <a href="#">DNET1</a>       | Network Surge Suppressor - Essential protection for data and communication lines                          | -    |
| Surge Protectors     | <a href="#">DTEL2</a>       | Network Surge Suppressor - Essential protection for data and communication lines                          | -    |
| UPS Accessories      | <a href="#">MODBUSCARD</a>  | 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](http://www.tripplite.com/en/products/model.cfm?txtModelID=2691).

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