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## Model #: SMX1000RT2U

**SmartPro 1kVA Line Interactive Sine Wave UPS, SNMPWEBCARD option, 2U Rack/Tower, USB, Serial, EPO, 230V**

### Highlights

- 1kVA / 1000VA line interactive 2U rack/tower UPS; Sine wave output
- 230V nominal output during brownouts to 159 and overvoltages to 282V
- USB, RS232, EPO and optional SNMP/Web card interface
- Detailed status LEDs; 2 switched output load banks
- C14 inlet; 6 C13 outlets; Includes 2 C13 to C14 cables



### 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.

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

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA capacity (kVA)	1
Output Watt Capacity (watts)	700
Output power factor	0.7
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)	-17%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	6 C13 outlet(s)
Included output power cables	Includes 2 C13 to C14 output power cables
Built-in controllable switched load banks	Two switchable two-outlet C13 load banks
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	

Rated input current (at maximum load)	3.4A
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	10A
Phase	Single-Phase
<b>BATTERY</b>	
Full load runtime (minutes)	9 min. (700w)
Half load runtime (minutes)	21 min. (350w)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	See Tripp Lite UPS replacement battery selector
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 159 to 282
Overvoltage correction	Input voltages between 245 and 282 are reduced by 12%
Undervoltage correction	Input voltages between 159 and 199 are boosted by 14%
<b>LEDS ALARMS &amp; SWITCHES</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC suppression joule rating	480
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
<b>PHYSICAL</b>	

<b>Installation form factors supported with included accessories</b>	4 post 19 inch rackmount (mounting rail kit included)
<b>Installation form factors supported with optional accessories</b>	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
<b>Primary form factor</b>	Rackmount
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / inches)</b>	3.5 x 17.5 x 13.5
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / cm)</b>	8.9 x 44.4 x 34.3
<b>Rack Height</b>	2U
<b>Secondary form factor</b>	Tower (requires <a href="#">2-9USTAND</a> )
<b>UPS / Power Module weight (lbs)</b>	34
<b>UPS / Power Module weight (kg)</b>	15.4
<b>UPS Shipping dimensions (height x width x depth / inches)</b>	9 x 24 x 20.2
<b>UPS Shipping dimensions (height x width x depth / cm)</b>	22.9 x 61 x 51.4
<b>Shipping weight (lbs)</b>	36
<b>Shipping weight (kg)</b>	16.3
<b>Cooling method</b>	Fan
<b>UPS housing material</b>	Steel
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature Range</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature Range</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>AC mode BTU / hr. (full load)</b>	73.6
<b>Battery mode BTU / hr. (full load)</b>	522.4
<b>COMMUNICATIONS</b>	
<b>Communications interface</b>	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
<b>Network monitoring port description</b>	Supports detailed monitoring of UPS and site power conditions
<b>PowerAlert software</b>	Included

<b>Communications cable</b>	USB and DB9 cabling included
<b>WatchDog compatibility</b>	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time</b>	2-4 milliseconds
<b>Low voltage transfer to battery power (setpoint)</b>	159
<b>High voltage transfer to battery power (setpoint)</b>	282
<b>SPECIAL FEATURES</b>	
<b>Grounding lug</b>	Back panel grounding lug
<b>Cold Start (startup in battery mode during a power failure)</b>	Cold-start operation supported
<b>High availability UPS features</b>	Hot swappable batteries
<b>Green &amp; high efficiency features</b>	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
<b>CERTIFICATIONS</b>	
<b>UPS Certifications</b>	Tested to UL1778 (USA); CE; Tested to GOST (Russia); Tested to SASO (Saudi Arabia); Tested to IRAM (Argentina); Meets FCC Part 15 Category B (EMI)
<b>WARRANTY</b>	
<b>Product Warranty Period (International)</b>	2-year limited warranty
<b>Product Warranty Period (Mexico)</b>	2-year limited warranty
<b>Product Warranty Period (Puerto Rico)</b>	2-year limited warranty

## Related Items

### Optional Products

Related Model	Description	Qty.
<a href="#">SNMPWEBCARD</a>	For remote monitoring and control via SNMP, Web, or Telnet.	1
<a href="#">ENVIROSENSE</a>	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
<a href="#">2-9USTAND</a>	Enables Tower Placement of Rackmount UPS Systems	1
<a href="#">2POSTRMKITWM</a>	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1
<a href="#">UPSHDEARKIT</a>	Heavy-Duty 2-post Front Mounting Ear Kit	1
<a href="#">WATCHDOGSW</a>	WatchDog Service Monitoring / Reboot Software	1
<a href="#">PDUBHV10</a>	Single-Phase Hot-Swap PDU, 10A 200-240V, 2U Horizontal Rackmount, 8 C13 outlets, set of 2 C14 inputs	1
<a href="#">PDUNV</a>	Single-Phase Basic PDU, 16A 100-240V, 1U Rackmount, C13 C19 outlets, C20 input and C14, L6-20P, L5-20P, 5-20P and 5-15P adapters	1
<a href="#">PDUMH15HVNET</a>	Single-Phase Switched PDU, 10/12A 200-240V, 1U Horizontal Rackmount, 8 C13 outlets, C14 inlet with C14 power cable	1
<a href="#">P004-002-13LA</a>	AC Power Extension Cable - C13 Left Angle to C14 - 2'	1

P004-002-13RA	AC Power Extension Cable - C13 Right Angle to C14 - 2 ft.	1
P005-002-14LA	2-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Left-Angle IEC-320-C14)	1
P005-002-14RA	2-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Right-Angle IEC-320-C14)	1
P005-006-14LA	6-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Left-Angle IEC-320-C14)	1
P005-006-14RA	6-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Right-Angle IEC-320-C14)	1
P005-010-14LA	10-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Left-Angle IEC-320-C14)	1
P005-010-14RA	10-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Right-Angle IEC-320-C14)	1
P005-006-BL	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Blue Connectors	1
P005-006-GN	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Green Connectors	1
P005-006-RD	6-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to IEC-320-C14) with Red Connectors	1
P005-006-YW	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Yellow Connectors	1
P004-003-13A	3-ft. 16AWG Power Cord (IEC-320-C14 to IEC-320-C13)	1
P004-006-13A	6-ft. 16AWG Power Cord (IEC-320-C14 to IEC-320-C13)	1
P004-002-5	5-Pack of 2-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
P018-003	3-ft. Heavy Duty 14AWG Power Cord, C14-to-C15	1
P018-006	6-ft. Heavy Duty 14AWG Power Cord, C14-to-C15	1
SRSWITCH	Magnetic Door Switch Kit for front and rear doors; requires ENVIROSENSE	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?txtModelID=2798](http://www.tripplite.com/en/products/model.cfm?txtModelID=2798).

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