

## SmartPro 230V 1000VA 900W Line-Interactive Sine Wave UPS, SNMP, Webcard, 2U Rack/Tower, USB, DB9 Serial

MODEL NUMBER: **SMX1000RT2U**



### Description

Tripp Lite SmartPro Line Interactive UPS with enhanced LCD interface offers network-grade power protection for critical server, network and telecommunications equipment. Line Interactive Uninterruptible Power Supply (UPS) with built-in Auto-Voltage Regulation (AVR) actively corrects brownouts and overvoltages back to usable levels while maintaining a full battery charge in case of power failure. Interactive LCD interface reports UPS operating mode, detailed UPS and site-power data, plus enables a variety of UPS setup and configuration options. Super-fast switchover from line to battery power occurs within milliseconds to maintain operation of connected equipment without interruption or reboot. 97% line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and optional SNMPWEBCARD network interface. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Network communications ports enable detailed monitoring of equipment load levels, self-test data and utility power conditions. Includes PowerAlert monitoring software and complete cabling. Switched output load banks enable scheduled and real-time remote reboot and load shedding of select outlets. Emergency Power Off (EPO) interface. LCD display panel easily rotates for viewing in rackmount or tower configurations. Audible alarm with push-button momentary alarm-cancel and silent-mode configuration options. Programmable self-test. Field-replaceable, hot-swappable batteries.

### Features

- Tripp Lite SMX1000RT2U line-interactive 2U rack/tower UPS with 1000VA / 1kVA capacity
  - Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 182 to 278V
- C14 AC power inlet; 6 C13 output receptacles, Two independently switchable output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 97% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 11.9 minutes at 50% load (450W) and 3.6 minutes at 100% load (900W)
- Hot-swappable, user-replaceable internal batteries can be replaced with no disruption to connected equipment
- Front panel LCD monitoring screen with MODE and ENTER buttons reports operating mode with 5-bar battery charge graphic, plus 7 selectable screens of detailed UPS and site power information
- LCD interface also supports a number of advanced user setup and operating preferences

### Highlights

- 1kVA / 1000VA / 900W line-interactive 2U rack/tower UPS, Sine Wave
- 230V output, Corrects brownouts and overvoltages from 182V to 278V
- 0.9 Power Factor, Interactive LCD interface
- 4-post compatible mounting accessories
- 97% line-mode efficiency; 2 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 230V C14 inlet, 6 C13 outlets

### Package Includes

- SMX1000RT2U UPS System
- PowerAlert Software with USB, Serial & EPO cabling
- 4-post rackmount installation kit
- Set of 2 C13/C14 power cables
- Instruction manual



Ships with 4 post rackmount installation hardware; Optional 2POSTRMKITWM enables 2 post rackmount/wallmount installation; Optional 2-9USTAND enables tower placement

- Built-in USB, RS-232 and optional SNMPWEBCARD accessory monitoring options  
HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software; Built-in Emergency Power Off (EPO) interface with cable

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA Capacity (kVA)	1
Output Watt Capacity (Watts)	900
Output kW Capacity (kW)	0.9
Power Factor	0.9
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)	+6%, -11%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(6) C13
Included Output Power Cables	Includes 2 C13 to C14 output power cables
Load Management Receptacles	Two switchable two-outlet C13 load banks
Hot-Swap PDU options	PDUBHV10 (2U / 8 C13 outlets)
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	4.8A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C14 inlet
UPS Input Connection Description	IEC320-C14 input connection accepts a variety of user supplied detachable C13 output cordsets to match country or site-specific power sources
Input Circuit Breakers	10A
Input Phase	Single-Phase



<b>BATTERY</b>	
Full Load Runtime (min.)	3.6 min. (900w)
Half Load Runtime (min.)	11.9 min (450w)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	See Tripp Lite RBC selector guide
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 182 to 278
Overvoltage Correction	Input voltages between 244 and 278 are reduced by 12%
Undervoltage Correction	Input voltages between 182 and 206 are boosted by 12%
<b>LEDS ALARMS &amp; SWITCHES</b>	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Front Panel LCD Display	Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options)
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Switches	3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	350
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
<b>PHYSICAL</b>	
Included Mounting Accessory Description	4 post rackmount installation accessories included
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND); 2-4 post front rail rackmount (UPSHDEARKIT)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 13.5



UPS Power Module Dimensions (hwd, cm)	8.9 x 44.4 x 34.3
Rack Height (U Spaces)	2
UPS Power Module Weight (lbs.)	34
UPS Power Module Weight (kg)	15.4
UPS Shipping Dimensions (hwd / in.)	9 x 24 x 20.2
UPS Shipping Dimensions (hwd / cm)	22.9 x 61 x 51.4
Shipping Weight (lbs.)	36
Shipping Weight (kg)	16.3
Cooling Method	Fan
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)	100
AC Mode Efficiency Rating (100% Load)	97%
<b>COMMUNICATIONS</b>	
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
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)	182
High Voltage Transfer to Battery Power (Setpoint)	278
<b>SPECIAL FEATURES</b>	
Grounding Lug	Back panel grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported



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High Availability UPS Features	Hot swappable batteries
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
<b>CERTIFICATIONS</b>	
UPS Certifications	CE; ROHS (Restriction of Hazardous Substances); Tested to GOST (Russia)
UPS Certification Details	IEC 62040-1, IEC 62040-2 Class A EMI
<b>WARRANTY</b>	
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

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