SmartPro 230V 1kVA 900W Line-Interactive Sine Wave UPS, 2U Rack/Tower, Network Card Options, LCD, USB, DB9, 6 Outlets

MODEL NUMBER: **SMX1000RT2U**







Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, surges and line noise. Ideal solution for point-of-sale applications, VoIP systems and small business networks.

Description

The SMX1000RT2U SmartPro® 230V 1kVA 900W Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up point-of-sale applications, VoIP systems and small business networks, the SMX1000RT2U switches to battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.
Featuring six C13 outlets (four switchable) and a C14 inlet that accepts a user-supplied AC power cord, the SMX1000RT2U has an internal battery that provides 11.9 minutes of support at half load and 3.6 minutes at full load. A front-panel LCD screen lets you configure settings and monitor important data, such as load level, voltage, battery charge and estimated runtimes.
Automatic voltage regulation (AVR) maintains 230V nominal output over an input range of 182V to 278V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 350-joule surge suppression rating protects your equipment from harmful power surges. With free downloadable PowerAlert® software, the SMX1000RT2U enables safe unattended system shutdown in case of a prolonged power failure. Adding an optional Network Management Card permits remote management of the UPS.

Features

Protects Mission-Critical Rack-Mounted Equipment

- Provides fully regulated sine wave AC output for point-of-sale applications, VoIP systems and small business networks
- Audible alarm signals loss of utility power, overload, low battery and fault conditions
- 6 C13 outlets
- C14 inlet accepts user-supplied AC power cord with country-specific plug
- 350-joule surge suppression rating

Reliable Battery Backup

- Supports half load up to 11.9 min. and full load up to 3.6 min.
- Internal batteries designed for hot-swap field replacement

Highlights

- Corrects under- and overvoltages from 182V to 278V
- 6 C13 outlets—4 switchable via network interface
- Network power management and control capability
- Interactive LCD monitoring screen
- 11.9 min. runtime at half load; 3.6 min. at full load
- Add optional WEBCARDLX with latest version of PADM20 for IP-based Auto Probe feature

Package Includes

- SMX1000RT2U SmartPro 230V 1kVA 900W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- (2) IEC-320 C13-to-C14 power cables
- Mounting hardware
- Owner's manual

- 97% line-power efficiency rating saves money in energy costs

2 Load Banks with Switchable Outlets
- Can control 4 outlets remotely to reboot equipment or shed nonessential loads

Automatic Voltage Regulation (AVR)
- Maintains 230V nominal output over input range of 182V–278V without using battery power

EMI/RFI Line Noise Filtering
- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

Interactive LCD Screen
- Front-panel LCD signals voltage, battery and load statuses
- Supports multiple advanced user setup and operating preferences
- Rotates for easy viewing in rack-mount or tower configurations

Optional Network Management Cards
- Compatible with UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- Optional WEBCARDLX (sold separately) with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities
- PADM20 and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations
- IP-based Auto Probe detects lost connectivity and restores service autonomously

Communications Ports
- USB and DB9 ports enable data-saving unattended shutdown when used with PowerAlert software (available via free download at tripplite.eaton.com/products/power-alert)
- EPO port supports emergency shutdown in large facilities

Versatile Installation Options
- Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rack
- Mounts on wall or 2-post rack with optional 2POSTRMKITWM accessory
- Mounts in upright tower position with optional 2-9USTAND accessory

Specifications

OVERVIEW	
UPC Code	037332119223
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
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 detachable cordsets to match country or site-specific wall receptacles
Input Circuit Breakers	10A
OUTPUT	
Output Capacity (VA)	1000
Output Capacity (kVA)	1
Output Capacity (Watts)	900
Output Capacity (kW)	0.9
Power Factor	0.9
Nominal Voltage Details	230V nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	+6%, -11%
Output Voltage Regulation (Battery Mode)	+/- 5%
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
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(6) C13
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3.6 min. (900W)
Runtime Half Load (min.)	11.9 min. (450W)
Expandable Runtime	No
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door

Internal UPS Replacement Battery Cartridge	IMPORTANT BATTERY REPLACEMENT INFORMATION > If your SMX1000RT2U UPS is equipped with a LCD front-panel screen, order Tripp Lite RBC24V-LCD (quantity 1) replacement battery; If your SMX1000RT2U UPS is equipped with LED front-panel indicators, order Tripp Lite RBC92-2U (quantity 1) replacement battery
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
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%
USER INTERFACE, ALERTS & CONTROLS	
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)
Switches	3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	350
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	2U
Cooling Method	Fan
Included Mounting Accessory Description	Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); 2-4 post front rail rackmount (UPSHDEARKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)
Minimum Required Rack Depth (cm)	40.64
Minimum Required Rack Depth (inches)	16

Optional Mounting Accessory Notes	Optional 2-9USTAND enables upright tower UPS placement; 2POSTRMKITWM enables wall-mount and 2-post rackmount installation; 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); UPSHDEARKIT enables installation in 2 or 4-post racks using front vertical rails only, without rear support
Primary UPS Depth (mm)	343
Primary UPS Height (mm)	89
Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)	8.50 x 23.10 x 18.20
Shipping Dimensions (hwd / cm)	21.59 x 58.67 x 46.23
Shipping Weight (lbs.)	45.90
Shipping Weight (kg)	20.82
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 34.29
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 13.5
UPS Power Module Weight (kg)	15.42
UPS Power Module Weight (lbs.)	34
Unit Weight (lbs.)	34.0000
Unit Weight (kg)	15.42
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	100
AC Mode Efficiency Rating (100% Load)	97%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	918
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	TLNETCARD ; WEBCARDLXE
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert

Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	182
High Voltage Transfer to Battery Power (Setpoint)	278
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network
STANDARDS & COMPLIANCE	
Product Certifications	GOST (Russia); IEC/EN 62040
Product Compliance	RoHS; CE (Europe)
WARRANTY & SUPPORT	
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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