

SmartPro 230V 1000VA 900W Line-Interactive Sine Wave UPS, 2U, WEBCARDLX, LCD, USB, DB9, 6 Outlets

MODEL NUMBER: **SMX1000RT2UN**



Line-interactive UPS offers complete power protection for professional applications, including retail, casino and hotel management.

Features

1kVA/900W/230V Battery Backup for PC Networks, Security Systems or Digital Signage

The SmartPro® line-interactive SMX1000RT2UN UPS system with AVR provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise that can damage valuable electronics or destroy data. The six-outlet 230V battery backup with 0.9 power factor is ideal protection for small networks, wiring closets, security systems, telecom, high-end PC gaming, digital signage equipment and other professional applications, including retail, casino and hotel/motel management.

Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages

The field-replaceable, hot-swappable internal battery provides 11.9 minutes of support at half load (450W) and 3.6 minutes at full load (900W), allowing you to work through short power failures and giving you enough time to safely save files and shut down your system in case of a prolonged blackout.

WEBCARDLX Network Interface Offers 24/7 Remote Access for Monitoring and Control

The Java-free HTML5-based WEBCARDLX enables full remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network. Automated alerts help prevent accidental overloads, power loss and downtime. WEBCARDLX allows you to use the Auto Probe feature, which can prevent costly service calls by automatically rebooting non-responsive network devices.

6 Outlets Protect Your Connected Components

Six C13 outlets provide battery backup, 350 joules of surge protection and voltage regulation for your crucial components. Two independently switched two-outlet load banks enable both scheduled and real-time remote rebooting and load shedding.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions

AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The SMX1000RT2UN can correct brownouts as low as 182V and overvoltages as high as 278V back to nominal 230V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better

Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- Maintains continuous 230V nominal output during brownouts and overvoltages
- Pre-installed WEBCARDLX network interface supports Auto Probe feature
- Easy-to-read LCD allows real-time monitoring of voltage, battery status and other data

Applications

- Protect your small network server and other network components against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs and other equipment without data loss during long-term power outages
- Connect high-end security systems, casino gaming machines or digital signage in a small network

Package Includes

- SMX1000RT2UN 230V 1000VA 900W Line-Interactive UPS with



This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

Designed for High Efficiency to Help You Save Money and Protect the Environment

A 97% efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

Silenceable Alarm and Easy-to-Read LCD Keep You Informed Around the Clock

The front-panel LCD lets you monitor important data, such as load level, power factor, voltage, battery charge and estimated runtimes. It rotates for comfortable viewing in both rack and tower configurations. The audible alarm sounds for power failure, low battery and overloads. You may silence it using the built-in switch or disable it.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and HID-compliant USB ports connect to a computer running Tripp Lite's free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. The EPO port supports emergency shutdown in large facilities. Cables are included.

Versatile Installation Options

Hardware is included for mounting the Tripp Lite SmartPro UPS system in 2U of space in an EIA-standard 19-inch 4-post rack. Using optional mounting accessories (sold separately), you can adapt the SMX1000RT2UN for 2-post (2POSTRMKITWM), front-rail (UPSHDEARKIT), 4-post short-depth (4POSTRAILKITWM), tower (2-9USTAND) or wall mounting (2POSTRMKITWM).

6 Outlets

- WEBCARDLX network management card
- USB cable
- DB9 cable
- EPO cable
- (2) C13-to-C14 AC power cords
- Rack-mounting hardware
- Owner's manual

Specifications

| OVERVIEW | |
|------------------------------------|---|
| UPC Code | 037332256416 |
| UPS Type | Line-Interactive |
| 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 |
| OUTPUT | |
| Output Volt Amp Capacity (VA) | 1000 |
| Output kVA Capacity (kVA) | 1 |
| Output Watt Capacity (Watts) | 900 |
| Power Factor | 0.9 |
| Nominal Voltage Details | 230V nominal output in battery mode |
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Automatic frequency selection |



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| 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 | |
| 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 | RBC24V-LCD <\/td> |
| Battery Access | Front panel battery access door |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | No |
| 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 |



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| SURGE / NOISE SUPPRESSION | |
|---|---|
| UPS AC Suppression Joule Rating | 350 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| 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 (2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM); 2-4 post front rail rackmount (Heavy-Duty-2-post-Front-Mounting-Ear-Kit-UPSHDEARKIT); 4 post rackmount short-depth (4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM); Tower (2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND); Wallmount (2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM); |
| Minimum Required Rack Depth (cm) | 40.00 |
| Minimum Required Rack Depth (inches) | 15.75 |
| Optional Mounting Accessory Notes | Optional 2-9USTAND ; enables upright tower UPS placement; 2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM ; enables wall-mount and 2-post rackmount installation; 4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM ; enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Heavy-Duty-2-post-Front-Mounting-Ear-Kit-UPSHDEARKIT ; enables installation in 2 or 4-post racks using front vertical rails only, without rear support |
| Primary Form Factor | Rackmount |
| Primary UPS Depth (mm) | 343 |
| Primary UPS Height (mm) | 89 |
| Primary UPS Width (mm) | 445 |
| Rack Height | 2U |
| Shipping Dimensions (hwd / in.) | 8.50 x 23.10 x 18.20 |
| Shipping Weight (kg) | 20.82 |
| UPS Housing Material | Steel |
| 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 |
| ENVIRONMENTAL | |



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| 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% |
| Audible Noise | 45 dBA maximum, front side 1m |
| COMMUNICATIONS | |
| Network Management Cards | WEBCARDLX |
| 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 Local software at http://www.tripplite.com/poweralert |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Communications Interface | DB9 Serial; EPO (emergency power off); Pre-installed network card; 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 |
| 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; Auto Probe Monitoring and Reboot (included) |
| Green Energy-Saving Features | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks |
| STANDARDS & COMPLIANCE | |
| UPS Certifications | CE; ROHS (Restriction of Hazardous Substances); Tested to GOST (Russia) |
| UPS Certification Details | IEC 62040-1, IEC 62040-2 Class A EMI |
| WARRANTY | |
| Product Warranty Period (International) | 2-year limited warranty |
| Product Warranty Period (Mexico) | 2-year limited warranty |



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|---------------------------------------|-------------------------|
| Product Warranty Period (Puerto Rico) | 2-year limited warranty |
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