SmartPro 230V 500VA 300W Line-Interactive UPS, 1U Rack/Tower, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SMX500RT1U**



Provides complete battery backup and power protection for connected equipment in a network closet or small business network.

Features

- SMX500RT1U .5 kVA / 500VA / 300 watt line interactive UPS
- 1U rack / tower compatible form factor
- IEC C14 input; 6 IEC C13 output receptacles
- Installed depth of only 11.8 in / 29.8 cm
- Large internal batteries offer runtimes of 14.6 minutes at half load (250VA/150 watts) and 3.2 minutes at full load (500VA/300 watts)
- Intelligent battery management system extends battery life
- Maintains regulated 230V nominal output during brownouts as low as 187V
- Includes 6 UPS-supported outlets, with one single-outlet load bank for remote load shedding or rebooting of an individual device
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- 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
- Supports 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)
- 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

Highlights

- 500VA line interactive 1U rack/tower UPS
- 230V 50 / 60Hz nominal output
- Optional WEBCARDLX with latest version of PADM20 supports Auto Probe feature
- Front panel status LEDs; 1 switched output load bank
- C14 input; 6 C13 outlets; 2 C13 to C14 cables

Applications

- Deliver battery-derived AC output to connected equipment in a network closet or small business network
- Protect point-of-sale and VoIP networks against power surges, line noise and spikes
- 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

Package Includes

- SMX500RT1U 500VA 300W 230V Line-Interactive UPS with 6 Outlets
- USB cable
- DB9 cable
- EPO cable
- (2) C13-to-C14 AC power cords, 1.8 m
- Rack-mounting hardware
- Owner’s manual

- Field-replaceable, hot-swappable internal UPS batteries
- Optional PDUBHV10 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment

Specifications

OVERVIEW	
UPC Code	037332119254
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	7A (Maximum input with 300W UPS and 1310W surge-only loads)
Nominal Input Voltage(s) Supported	230V AC
Nominal Input Voltage Description	Accepts inputs between 187 and 265V for AC mode operation
UPS Input Connection Type	C14 inlet
UPS Input Connection Description	C14 inlet accepts user-supplied AC power cord with country-specific plug; Includes 2 1.8m C13 to C14 power cables
Input Circuit Breakers	7A thermal breaker
Maximum Input Amps	7
OUTPUT	
Output Capacity (VA)	500
Output Capacity (kVA)	0.5
Output Capacity (Watts)	300
Output Capacity (kW)	0.3
Power Factor	0.6
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection; 50Hz (46-54Hz) / 60Hz (56-64Hz)
Output Voltage Regulation (Line Mode)	-8%, +15%
Output Voltage Regulation (Battery Mode)	+/- 5%
Included Output Power Cables	Two 1.8m IEC320-C13 to C14 load jumper cables
UPS Output Receptacles (Surge Suppression Only)	5 UPS outlets, 1 surge-only outlet
Load Management Receptacles	One switchable single-outlet C13 load bank
Hot-Swap PDU options	PDUBHV10 (2U / 8 C13 outlets)
Output AC Waveform (AC Mode)	Sine wave

Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(6) C13
Output Amp Capacity	2.17A maximum (UPS outlets) / 7A maximum (UPS + Surge-only Outlets)
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3 min. (300W)
Runtime Half Load (min.)	14 min. (150W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 12 hours to 90%
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	IMPORTANT BATTERY REPLACEMENT INFORMATION > Use Tripp Lite RBC12V-1U replacement battery for SMX500RT1U models with the Series Number AG-03AD listed on the UPS nameplate (Sold since 2021); For all prior versions of SMX500RT1U, use Tripp Lite RBC62-1U replacement battery; Contact Tripp Lite customer service for additonal information
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 187
Undervoltage Correction	Input voltages between 187 and 215 are boosted by 14%
USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	480
PHYSICAL	
Primary Form Factor	Rackmount; Tower
Rack Height	1U

Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount; Tower
Minimum Required Rack Depth (cm)	38.10
Minimum Required Rack Depth (inches)	15
Primary UPS Depth (mm)	286
Primary UPS Height (mm)	44
Primary UPS Width (mm)	440
Shipping Dimensions (hwd / in.)	4.20 x 15.80 x 21.00
Shipping Dimensions (hwd / cm)	10.67 x 40.13 x 53.34
Shipping Weight (lbs.)	17.70
Shipping Weight (kg)	8.03
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	4.39 x 43.99 x 28.60
UPS Power Module Dimensions (hwd, in.)	1.73 x 17.32 x 11.26
UPS Power Module Weight (kg)	8.03
UPS Power Module Weight (lbs.)	17.7
Unit Dimensions (hwd / in.)	1.730 x 17.320 x 11.260
Unit Weight (lbs.)	16.310
Unit Weight (kg)	7.40
Mounting Details	Included mounting brackets provide front-rail installation in 2 or 4 post racks, plus upright tower configurations
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	0-95% non-condensing
AC Mode BTU / Hr. (Full Load)	35
AC Mode Efficiency Rating (100% Load)	97%
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	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	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	187
High Voltage Transfer to Battery Power (Setpoint)	264
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	CSA (Canada); IEC/EN 62040; UL 1778
Product Compliance	RoHS; CE (Europe); EAC (Belarus, Kazakhstan, Russia)
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

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

© 2025 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.