

SmartPro Expandable Rack/Tower UPS

Intelligent, line-interactive network power management system



Model #: SMX3000XLRT2U

- ▶ 3000VA line interactive 2U expandable rack / tower UPS with sine wave output
- ▶ 9 outlets arranged in 3 switchable load banks
- ▶ Simultaneous communications via SNMPWEBCARD slot, 2 USB ports and 2 DB9 serial ports
- ▶ Included PowerAlert UPS monitoring software manages an unlimited number of network UPS systems
- ▶ Corrects brownouts and overvoltages from 151-282V
- ▶ 2 year warranty

Enterprise Assistance

E-mail us your critical extended run application requirements for large kVA and extended run UPS Systems and we will research the ideal solution and provide a custom configuration.

[Contact a Tripp Lite Product Specialist](#)

DESCRIPTION

Tripp Lite's SMX3000XLRT2U 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. Large internal batteries offer 13 minutes half load runtime and 4 minutes at full load. Runtime is expandable with optional BP48V24-2U or BP48V60RT-3U external battery packs. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 151 to 282V. 3000VA / 2250 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 9 outlets arranged in 3 load banks that are individually switchable via software interface to reboot select equipment on demand or automatically shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous 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. 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. Two year warranty.

KEY BUYING POINTS

- SMX3000XLRT2U 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
- 3000VA / 2250 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 equipment racks, 2 post rackmount installation requires 2POSTRMKIT, upright tower installation requires 2-9USTAND accessory
- Large internal batteries support a half load of 1500VA for 13 minutes and a full load of 3000VA for 4 minutes
- Runtime is further expandable with the addition of external battery packs (BP48V21-2U - limit 1; or BP48V60RT-3U - multi-pack compatible)
- Maintains regulated 230V nominal output during brownouts and overvoltages from 151 to 282V
- Includes 9 UPS supported outlets arranged in 3 individually controllable load banks (2 outlets per bank) that can be powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, pager & email notification, event logging and running user-defined script commands. PowerAlert is compatible with all major competitive UPS brands
- Offers simultaneous monitoring by up to 4 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. Free PowerAlert Enterprise Management

software is also available upon request for NMS style management of UPS systems network-wide from Tripp Lite and major competitors

- 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
- Emergency Power Off (EPO) interface with cable
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for scheduled 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
- Two year warranty

TYPICAL APPLICATIONS

- Ideal for protection of sensitive electronics in any application calling for upright tower or 19 inch rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

OPTIONS & ACCESSORIES

- External battery pack: [BP48V60RT3U](#) or [BP48V242U](#)
- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- USB Hubs-accessories: [U202-004-R](#), [U205-004-R](#), [U022-010](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Power distribution: [PDU12IEC](#)
- Tower Stands: [2-9USTAND](#)
- Two Post Rackmount Kit: [2POSTRMKIT](#)
- Watchdog software: [WATCHDOGSW](#)

PACKAGE INCLUDES

- SMX3000XLRT2U UPS System
- PowerAlert software with USB and DB9 cables
- Mounting hardware for 4 post rackmount applications
- Cable for Emergency Power Off interface
- Instruction manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Line interactive 2U rack / tower UPS protects equipment from blackouts, brownouts, overvoltages, surges and line noise. Maintains sine wave AC output during blackouts and continuously corrects brownouts and overvoltages from 151 to 282 volts back to normal 220-240V levels. Supports enhanced monitoring of UPS and line power conditions via built-in USB and DB9 serial ports, included PowerAlert monitoring software and complete cabling. Supports 2U rackmount installation in 4 post rack enclosures, 2 post rack installation requires 2POSTRMKIT, tower installation requires 2-9USTAND accessory. Includes slot for SNMPWEBCARD accessory and 3 pairs of individually controllable load management outlets. Runtime is expandable with BP48V24-2U and BP48V60RT-3U battery packs.

Voltage compatibility:	Compatible with 220-240V nominal applications
Frequency compatibility:	50/60 Hz auto-sensing
OUTPUT	
Output volt amp capacity (VA):	3000
Output watt capacity (watts):	2250
Output nominal voltage:	230v
Output voltage regulation:	"LINE MODE: Sine wave line voltage 230V (-19% +8%), BATTERY MODE: Sine wave output within 5% of 230V
Output frequency regulation:	LINE MODE: Passes line frequency of 50/60Hz +/-10% BATTERY MODE: Inverter output regulated to 50/60Hz +/-1Hz
Outlet quantity / type:	"8 IEC320-C13, 1 IEC320-C19
Customized load management receptacles:	Includes 3 load banks, each with 2 outlets that support automated load shedding and remote reboot on demand of locked network devices. Configurable via PowerAlert software to automatically switch off optional loads, like monitors, to increase available runtime for servers and other critical devices
Overload protection:	Via 20A input breaker and 2 10A output breakers
INPUT	
Input connection type:	IEC320-C20 inlet accepts a variety of replacement cordsets to accommodate country or site specific input cords. USER SUPPLIES APPROPRIATE INPUT CABLE TERMINATING TO AN IEC320-C19 CONNECTION THAT MATES WITH THE UPS C20 INLET CONNECTIONNONNECTION.
Input cord length:	Includes two 1.8m IEC320-C13 to C14 interconnection cables (additional C13 to C14 interconnection cables available, part# P004-006)
BATTERY	
Full load runtime:	4 minutes (3000VA), 45 minutes with 1 BP48V60RT-3U
Half load runtime:	13 minutes (1500VA), 98 minutes with 1 BP48V60RT-3U
Expandable battery runtime:	Supports extended runtime with optional external battery packs BP48V24-2U (limit 1) and BP48V60RT-3U (multi pack compatible)
DC system voltage:	48 VDC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description:	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 220-240V nominal output, without using battery power, during brownouts to 151V and overvoltages to 282V
Overvoltage correction:	Input voltages between 245 and 282VAC are reduced by 12%
Direct pass through:	Input voltages between 200 and 245VAC are passed on to connected equipment unchanged
Brownout correction:	Input voltages between 181 and 199VAC are boosted by 12%
Severe brownout correction:	Input voltages between 151 and 180VAC are boosted by 24%
LEDS ALARMS & SWITCHES	
Front panel LEDs:	5 front panel LEDs - Green POWER LED, Green VOLTAGE CORRECTION LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LED, red BATTERY WARNING LED
Alarms:	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches:	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
SURGE / NOISE SUPPRESSION	

AC surge suppression:	1800 joules
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	72
Shipping weight (kg):	32.66
Unit weight (lbs):	64
Unit weight (kg):	29.03
Unit Dimensions (HWD/in):	3.5 x 17.5 x 19
Unit Dimensions (HWD/cm):	8.9 x 44.5 x 48.3
Shipping Dimensions (HWD/in):	9 x 23.5 x 20
Shipping Dimensions (HWD/cm):	22.9 x 59.7 x 50.8
Material of construction:	Steel
Form factors supported:	Supports 2U rackmount installation in 4 post equipment racks. 2 post rackmount installable with optional 2POSTRMKIT accessory. Upright tower compatible with optional 2-9USTAND accessory
Cooling method:	Built-in cooling fan
Battery Access:	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Operating Temperature:	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature:	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity:	0 to 95%, non-condensing
COMMUNICATIONS	
Network monitoring port:	Includes 4 built-in monitoring ports, 2-USB & 2-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status
Software and cabling included:	Includes PowerAlert UPS monitoring software for network and standalone operating systems. Ships with complete USB and DB9 cabling.
SNMP compatibility:	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
WatchDog compatibility:	Yes, compatible with Tripp Lite's Watchdog system service 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
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode:	2-4 milliseconds
Low voltage transfer to battery power:	151V (resets to line power as line voltage increases to 159 or higher)
High voltage transfer to battery power:	282V (resets to line power as line voltage decreases to 274 or lower)
CERTIFICATIONS	
Certifications:	UL1778, CE EN62040, SASO, GOST, IRAM
WARRANTY	
Optional coverage:	2 years
SPECIAL FEATURES	
EPO port:	Includes RJ11 EPO (emergency power off) port and cable

TVSS grounding:	Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a safe grounding point
Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	Attractive all-black color scheme
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional):	BP48V24-2U (limit 1), BP48V60RT-3U (multi pack compatible)

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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