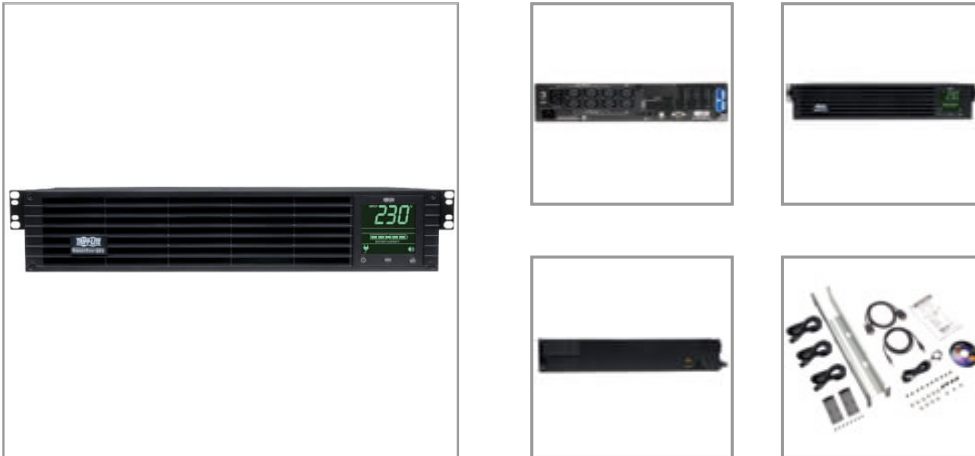


# TRIPP-LITE

by **EAT•N**

## SmartPro 230V 3kVA 2.7kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: **SMX3000XLRT2UA**



### 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. Tripp Lite's unique configuration excels in exceptionally poor-power environments with two separate levels of voltage boost to correct both slight undervoltages and severe brownout conditions. 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. 98% line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and slot for network management card option. 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. PowerAlert monitoring software is available for free download. 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 battery modules.

### Features

- Tripp Lite SMX3000XLRT2UA line interactive 2U rack/tower UPS with 3000VA / 3kVA capacity and extended runtime options
- Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 158 to 278V
- C20 AC power inlet; 8 C13 and 1 C19 output receptacles, Two independently switchable output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 98% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 11.1 minutes at 50% load (1350W) and 3.9 minutes at 100% load (2700W)
- Extended runtime is available with optional external battery packs BP48V24-2U (limit 1), BP48V60RT-

### Highlights

- 3kVA / 3000VA / 2700W line interactive 2U rack/tower UPS, Sine Wave
- Extended runtime options up to 2700W, 0.9 Power Factor, Interactive LCD interface
- 98% line-mode efficiency, 2 switched load banks, 4 post mounting kit
- USB, RS232, EPO and slot for network management card options
- 230V C20 inlet, 8 C13 & 1 C19 outlets
- Add optional WEBCARDLX with latest version of PADM20 for IP-based Auto Probe feature

### Package Includes

- SMX3000XLRT2UA UPS system
- USB, Serial & EPO cabling
- 4 post rackmount installation kit
- Set of 3 C13/C14 power cables
- Instruction manual

3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible)

- External battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Hot-swappable, user-replaceable internal batteries and external battery packs can be replaced with no disruption to connected equipment
- Intelligent battery management system extends battery life
- 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
- 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 slot for optional network management card options
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
- 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
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)
- Built-in Emergency Power Off (EPO) interface with cable

## Specifications

OVERVIEW	
UPC Code	037332181381
UPS Type	Line-Interactive
INPUT	
Rated input current (Maximum Load)	14.1A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C20 inlet
UPS Input Connection Description	IEC320-C20 input connection accepts a variety of user supplied detachable C19 output cordsets to match country or site specific power sources
Input Circuit Breakers	20A
Input Phase	Single-Phase
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3

Output Capacity (Watts)	2700
Output Capacity (kW)	2.7
Power Factor	0,9
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	+6%, -15%
Output Voltage Regulation (Battery Mode)	+/-5%
Included Output Power Cables	Set of 3 C13 to C14 power cables included
Load Management Receptacles	Two switchable single outlet C13 load banks
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(8) C13; (1) C19
Individually Controllable Load Banks	Yes
<b>BATTERY</b>	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3.9 min. (2700W)
Runtime Half Load (min.)	11.1 min. (1350W)
Expandable Runtime	Yes
External Battery Pack Compatibility	&nbsp;<a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a>&nbsp; (limit 1); &nbsp; <a class="productLink" href="//tripplite.eaton.com/External-48V-3U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems~BP48V60RT-3U">BP48V60RT-3U</a>&nbsp; (multi-pack compatible); &nbsp; <a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US">BP48V27-2US</a>&nbsp; (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 5 hours from 10 to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	&nbsp;<a class="productLink" href="//tripplite.eaton.com/2U-UPS-Replacement-48VDC-Battery-Cartridge-for-Tripp-Lite-UPS-systems~RBC58-2U">RBC58-2U</a>&nbsp;
Battery Replacement Description	Hot-swappable, replaceable batteries
<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 158 to 278
Overvoltage Correction	Input voltages between 244 and 278 are reduced by 12%

Undervoltage Correction	Input voltages between 206 and 183 are boosted by 12%
Severe Undervoltage Correction	Input voltages between 158 and 183 are boosted by 24%
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	350
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
<b>PHYSICAL</b>	
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 ( <a href="//tripplite.eaton.com/2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2POSTRMKITWM</a> ); 2-4 post front rail rackmount ( <a href="//tripplite.eaton.com/Heavy-Duty-2-post-Front-Mounting-Ear-Kit~UPSHDEARKIT">UPSHDEARKIT</a> ); 4 post rackmount short-depth ( <a href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM</a> ); Tower ( <a href="//tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2-9USTAND</a> ); Wallmount ( <a href="//tripplite.eaton.com/2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2POSTRMKITWM</a> );
Minimum Required Rack Depth (cm)	57.15
Minimum Required Rack Depth (inches)	22.5
Minimum Required Rack Depth with External Battery Pack (cm)	67
Minimum Required Rack Depth with External Battery Pack (in.)	26.5
Minimum Required Rack Depth without External Battery Pack (cm)	58
Minimum Required Rack Depth without External Battery Pack (in.)	23

Optional Mounting Accessory Notes	Optional <a href="//tripplite.eaton.com/2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND">2-9USTAND</a> ; enables upright tower UPS placement; <a href="//tripplite.eaton.com/2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM">2POSTRMKITWM</a> ; enables wall-mount and 2-post rackmount installation; <a href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM</a> ; enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); <a href="//tripplite.eaton.com/Heavy-Duty-2-post-Front-Mounting-Ear-Kit-UPSHDEARKIT">UPSHDEARKIT</a> ; enables installation in 2 or 4-post racks using front vertical rails only, without rear support
Primary UPS Depth (mm)	495
Primary UPS Height (mm)	89
Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)	9.00 x 23.75 x 20.50
Shipping Dimensions (hwd / cm)	22.86 x 60.32 x 52.07
Shipping Weight (lbs.)	89.00
Shipping Weight (kg)	40.37
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 49.53
UPS Power Module Dimensions (hwd, in.)	3.50 x 17.50 x 19.50
UPS Power Module Weight (kg)	28.49
UPS Power Module Weight (lbs.)	62.8
<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)	158
Battery Mode BTU / Hr. (Full Load)	1501
AC Mode Efficiency Rating (100% Load)	98%
Audible Noise	45 dBA maximum, front side 1m
<b>COMMUNICATIONS</b>	
Network Management Cards	<a href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a> ; <a href="//tripplite.eaton.com/Web-Management-Accessory-Card~WEBCARDLX">WEBCARDLX</a> ; <a href="//tripplite.eaton.com/Programmable-Relay-I-O-Card~RELAYIOCARD">RELAYIOCARD</a>
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 <a href="https://www.tripplite.com/poweralert">https://www.tripplite.com/poweralert</a>
Communications Cable	USB, DB9 and EPO cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

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Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	6 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)
Low Voltage Transfer to Battery Power (Setpoint)	158
High Voltage Transfer to Battery Power (Setpoint)	278
<b>FEATURES &amp; SPECIFICATIONS</b>	
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); Expandable battery backup; Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks; Schedulable daily hours of economy mode operation
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	GOST (Russia); IEC/EN 62040
Product Compliance	RoHS; CE (Europe)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty

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