

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

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
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Package Includes

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



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1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

- 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-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
- 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
- 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



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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 Volt Amp Capacity (VA)	3000
Output kVA Capacity (kVA)	3.00
Output Watt Capacity (Watts)	2700
Output kW Capacity (kW)	2.70
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
BATTERY	
Full Load Runtime (min.)	3.9 min. (2700w)
Half Load Runtime (min.)	11.1 min. (1350w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
External Battery Pack Compatibility	BP48V24-2U~BP48V24-2U (limit 1); BP48V60RT-3U~BP48V60RT-3U (multi-pack compatible); BP48V27-2US~BP48V27-2US (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)



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Internal UPS Replacement Battery Cartridge	 RBC58-2U </td></tr><tr><td>Battery Access</td><td>Front panel battery access door</td></tr><tr><td>Battery Replacement Description</td><td>Hot-swappable, replaceable batteries</td></tr><tr><td>Expandable Runtime</td><td>Yes</td></tr><tr><td data-cs="2" data-kind="parent">VOLTAGE REGULATION</td><td data-kind="ghost"></td></tr><tr><td>Voltage Regulation Description</td><td>Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 158 to 278</td></tr><tr><td>Overvoltage Correction</td><td>Input voltages between 244 and 278 are reduced by 12%</td></tr><tr><td>Undervoltage Correction</td><td>Input voltages between 206 and 183 are boosted by 12%</td></tr><tr><td>Severe Undervoltage Correction</td><td>Input voltages between 158 and 183 are boosted by 24%</td></tr><tr><td data-cs="2" data-kind="parent">USER INTERFACE, ALERTS & CONTROLS</td><td data-kind="ghost"></td></tr><tr><td>Front Panel LCD Display</td><td>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)</td></tr><tr><td>Switches</td><td>3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions</td></tr><tr><td>Alarm Cancel Operation</td><td>Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available</td></tr><tr><td>Audible Alarm</td><td>Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions</td></tr><tr><td data-cs="2" data-kind="parent">SURGE / NOISE SUPPRESSION</td><td data-kind="ghost"></td></tr><tr><td>UPS AC Suppression Joule Rating</td><td>350</td></tr><tr><td>EMI / RFI AC Noise Suppression</td><td>Yes</td></tr><tr><td>AC Suppression Response Time</td><td>Instantaneous</td></tr><tr><td data-cs="2" data-kind="parent">PHYSICAL</td><td data-kind="ghost"></td></tr><tr><td>Cooling Method</td><td>Fan</td></tr><tr><td>Included Mounting Accessory Description</td><td>Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)</td></tr><tr><td>Installation Form Factors Supported with Included Accessories</td><td>4 post 19 inch rackmount</td></tr><tr><td>Installation Form Factors Supported with Optional Accessories</td><td>2 post rackmount (2POSTRMKITWM); 2-4 post front rail rackmount (UPSHDEARKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)</td></tr><tr><td>Minimum Required Rack Depth with External Battery Pack (cm)</td><td>67</td></tr><tr><td>Minimum Required Rack Depth with External Battery Pack (in.)</td><td>26.5</td></tr></table></div><div data-bbox="484 974 510 985" data-label="Page-Footer">4 / 6</div>
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Chicago, IL 60609 USA
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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 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 Form Factor	Rackmount
Primary UPS Depth (mm)	495
Primary UPS Height (mm)	89
Primary UPS Width (mm)	445
Rack Height	2U
Shipping Dimensions (hwd / cm)	22.86 x 60.32 x 52.07
Shipping Dimensions (hwd / in.)	9.00 x 23.75 x 20.50
Shipping Weight (kg)	40.37
Shipping Weight (lbs.)	89.00
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
ENVIRONMENTAL	
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
COMMUNICATIONS	



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Network Management Cards	SNMPWEBCARD & TLNETCARD & WEBCARDLX & RELAYIOCARD
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, DB9 and EPO cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
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
SPECIAL FEATURES	
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 (requires WEBCARDLX)
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks; Schedulable daily hours of economy mode operation
STANDARDS & COMPLIANCE	
UPS Certifications	CE; ROHS (Restriction of Hazardous Substances)
UPS Certification Details	IEC 62040-1, IEC 62040-2 Class A EMI, GOST
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

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