1500VA 1350W 230V Line-Interactive UPS - 8 C13 Outlets, C14 Input, Network Card Option, LCD, USB, DB9, 2U

MODEL NUMBER: **SMX1500XLRT2U**

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

Features

1.5kVA/1.35kW/230V Battery Backup for PC Networks, Security Systems or Digital Signage
This SmartPro® line-interactive UPS system with AVR protection 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 230V battery backup 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 13.6 minutes of support at half load (675W) and 4.9 minutes at full load (1350W), 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. For mission-critical applications demanding scalable extended runtime, the UPS supports external battery packs, such as Tripp Lite's BP36V15-2U (sold separately).

Optional LX Platform Network Management Card Allows 24/7 Remote Access
The optional WEBCARDLX (sold separately) with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities, including customizable dashboard graphs to fit user preferences. The PADM20 upgrade and Tripp Lite's PowerAlert Element Manager (PAEM) software form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations. Auto Probe allows a UPS with switched loads to automatically reboot devices if a network communication failure is detected.

8 Outlets Protect Your Connected Components
Eight 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.

C14 Power Input Accepts a Wide Range of Cordsets
The C14 input connection accepts a variety of detachable cordsets to match country- or site-specific wall outlets. Two C13-to-C14 and one C13-to-Australian power cables are included.

Highlights

- Protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps AC power running during outages to allow time for file saves and safe shutdown
- Maintains line power operation with input voltage as low as 158V and as high as 278V
- Add optional WEBCARDLX with latest version of PADM20 for IP-based Auto Probe feature
- Multifunction LCD screen provides valuable voltage, load, battery and fault statuses

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

- SMX1500XLRT2U 1.5kVA 1.35kW 230V Line-Interactive UPS with 8 Outlets
- USB cable
- DB9 cable
- EPO cable
- (2) C13-to-C14 AC power cords
- C13-to-Australian power cord
- Rack-mounting hardware
- Owner's manual

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 SMX1500XLRT2U can correct brownouts as low as 158V 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
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 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 SMX1500XLRT2U for 2-post (2POSTRMKITWM), front-rail (UPSHDEARKIT), 4-post short-depth (4POSTRAILKITWM), tower (2-9USTAND) or wall mounting (2POSTRMKITWM).

Specifications

OVERVIEW	
UPC Code	037332119216
UPS Type	Line-Interactive

INPUT	
Rated input current (Maximum Load)	6.9A
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 detachable cordsets to match country or site-specific wall receptacles; Includes Australian and set of two C13 to C14 power cables
Input Circuit Breakers	10A
Input Phase	Single-Phase

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output Capacity (kVA)	1.5

Output Watt Capacity (Watts)	1350
Output kW Capacity (kW)	1.35
Output Capacity Details	Output is reduced to 1200W maximum when used with external battery packs
Power Factor	0.9
Nominal Voltage Details	230V nominal output in battery mode
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 2 C13 to C14 power cables included
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	(8) C13
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	4.9 min. (1350w)
Half Load Runtime (min.)	13.6 min. (675w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
Expandable Runtime	Yes
External Battery Pack Compatibility	BP36V15-2U (limit 1); BP36V42-3U (multi-pack compatible); BP36V27-2US (multi-pack compatible)
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	RBC93-2U
Battery Replacement Description	Hot-swappable, user replaceable batteries

VOLTAGE REGULATION

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 182 and 206 are boosted by 12%
Severe Undervoltage Correction	Input voltages between 158 and 182 are boosted by 24%

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

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	350
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Primary Form Factor	Rackmount
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 (2POSTRMKITWM); 2-4 post front rail rackmount (UPSHDEARKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)
Minimum Required Rack Depth with External Battery Pack (cm)	51
Minimum Required Rack Depth with External Battery Pack (in.)	20
Minimum Required Rack Depth without External Battery Pack (cm)	40
Minimum Required Rack Depth without External Battery Pack (in.)	15.75

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 UPS Depth (mm)	343
Primary UPS Height (mm)	89
Primary UPS Width (mm)	442
Rack Height	2U
Shipping Dimensions (hwd / cm)	22.35 x 50.55 x 59.18
Shipping Dimensions (hwd / in.)	8.80 x 19.90 x 23.30
Shipping Weight (kg)	25.72
Shipping Weight (lbs.)	56.70
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.20 x 34.29
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.4 x 13.5
UPS Power Module Weight (kg)	19.55
UPS Power Module Weight (lbs.)	43.1
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)	139
Battery Mode BTU / Hr. (Full Load)	689
AC Mode Efficiency Rating (100% Load)	97%
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	WEBCARDLX ; RELAYIOCARD ; TLNETCARD
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 https://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
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)

LINE / BATTERY TRANSFER	
Transfer Time	6 ms. (AC to DC) / 1 ms. (DC to AC)
Low Voltage Transfer to Battery Power (Setpoint)	158
High Voltage Transfer to Battery Power (Setpoint)	278

FEATURES & SPECIFICATIONS	
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 (requires WEBCARDLX); Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks

STANDARDS & COMPLIANCE	
UPS Certifications	AS/NZS 4417; CE; Tested to EAC (Belarus, Kazakhstan, Russia); Tested to GOST (Russia)
Certification Details	Series Number (s) AG-0071; Safety Standards (International) IEC62040-1:2008 (1st Ed); IEC62040-1:2017 (2nd Ed); AS 62040.1:2019; EMI/EMC Standards Category C2; EN/IEC62040-2:2018

WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty