SmartPro 230V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: **SMX1500XLRT2U**

Highlights
- Corrects under- and overvoltages from 158V to 278V
- 8 C13 outlets—4 switchable via network interface
- Network power management and control capability
- Expandable runtime with optional external battery packs
- 13.6 min. runtime at half load; 4.9 min. at full load

Package Includes
- SMX1500XLRT2U SmartPro 230V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- (2) IEC-320 C13-to-C14 power cables
- Mounting hardware
- Owner's manual

Description

The SMX1500XLRT2U SmartPro 230V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage electronics or destroy data. Ideal for backing up point-of-sale applications and small business networks, the SMX1500XLRT2U switches to battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.

Featuring eight C13 outlets (four switchable) and a C14 inlet that accepts a user-supplied AC power cord, the SMX1500XLRT2U has an internal battery that provides 13.6 minutes of support at half load and 4.9 minutes at full load. A front-panel LCD screen lets you monitor data, such as load level, voltage, battery charge and estimated runtimes. Adding external battery packs, such as BP36V15-2U (sold separately), provides extended runtime.

Automatic voltage regulation (AVR) maintains 230V nominal output over an input range of 158V to 278V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 350-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's free downloadable PowerAlert® software, SMX1500XLRT2U enables safe unattended system shutdown and file saves in case of a prolonged power failure. Adding an optional network management card permits remote management of the UPS, including reboots and activity logs.

Features

Protects Mission-Critical Rack-Mounted Equipment
- Provides fully regulated sine wave AC output for point-of-sale applications, VoIP systems and small business networks
- Audible alarm signals loss of utility power, overload, low battery and fault conditions
- 8 C13 outlets
- C14 inlet accepts user-supplied AC power cord with country-specific plug
- 350-joule surge suppression rating

Reliable Battery Backup with Expandable Runtime

- Supports half load up to 13.6 min. and full load up to 4.9 min.
- Internal batteries designed for hot-swap field replacement
- 97% line-power efficiency rating saves money in energy costs
- Expandable runtime with optional external battery packs, such as Tripp Lite's BP36V15-2U

2 Load Banks with Switchable Outlets
- Can control 4 outlets remotely to reboot equipment or shed nonessential loads

Automatic Voltage Regulation (AVR)
- Maintains 230V nominal output over input range of 158V–278V without using battery power

EMI/RFI Line Noise Filtering
- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

Interactive LCD Screen
- Front-panel LCD signals operating mode, load level, voltage, battery charge and estimated runtimes
- Supports multiple advanced user setup and operating preferences
- Rotates for easy viewing in rack-mount or tower configurations

Network Management Cards
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD and RELAYIOCARD

Communications Ports
- 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
- EPO port supports emergency shutdown in large facilities

Versatile Installation Options
- Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rack
- Mounts on wall or 2-post rack with optional 2POSTRMKITWM accessory
- Mounts in upright tower position with optional 2-9USTAND accessory

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA Capacity (kVA)	1.5
Output Watt Capacity (Watts)	1350
Output kW Capacity (kW)	1.35
Output Capacity Details	Output derates to 1200 watts in all external battery configurations
Power Factor	0.9

Nominal Output Voltage(s) Supported	220V; 230V; 240V
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%
Output Receptacles	(8) C13
Included Output Power Cables	Set of 2 C13 to C14 power cables included
Load Management Receptacles	Two switchable two-outlet C13 load banks
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave

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
Input Circuit Breakers	10A
Input Phase	Single-Phase

BATTERY

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
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)
Internal UPS Replacement Battery Cartridge	RBC93-2U
Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	Yes

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	
Included Mounting Accessory Description	4 post rackmount installation accessories included
Installation Form Factors Supported with Optional Accessories	2 post rackmount(2POSTRMKITWM); Wallmount(2POSTRMKITWM); Tower(2-9USTAND); 2-4 post front rail rackmount(UPSHDEARKIT)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.4 x 13.5
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.20 x 34.29
Rack Height (U Spaces)	2
Minimum Required Rack Depth (inches)	20
Minimum Required Rack Depth (cm)	50.80
UPS Power Module Weight (lbs.)	43.1
UPS Power Module Weight (kg)	19.55
UPS Shipping Dimensions (hwd / in.)	9 x 24 x 20.5
UPS Shipping Dimensions (hwd / cm)	22.86 x 60.96 x 52.07
Shipping Weight (lbs.)	66.5
Shipping Weight (kg)	30.2

Cooling Method	Fan
UPS Housing Material	Steel
Minimum Required Rack Depth (mm)	508
Primary UPS Height (mm)	89
Primary UPS Width (mm)	442
Primary UPS Depth (mm)	343
Shipping Height (mm)	229
Shipping Width (mm)	610
Shipping Depth (mm)	521

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%

COMMUNICATIONS	
Communications Interface	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
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 and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

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

SPECIAL FEATURES	
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
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
CERTIFICATIONS	
UPS Certifications	CE; Tested to GOST (Russia)
UPS Certification Details	EN62040-1, 62040-2 (Class A)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty