

## SmartPro 230V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS, Extended Run, SNMP, Webcard, 2U Rack/Tower, USB, DB9 Serial

MODEL NUMBER: **SMX1500XLRT2U**



### 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. 97% line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and optional SNMPWEBCARD network interface. 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. Includes PowerAlert monitoring software and complete cabling. 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 SMX1500XLRT2U line interactive 2U rack/tower UPS with 1500VA / 1.5kVA capacity and extended runtime options
- Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 158 to 278V
- C14 AC power inlet; 8 C13 output receptacles, Two independently switchable output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 97% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 13.6 minutes at 50% load (675W) and 4.9 minutes at 100% load (1350W)
- Extended runtime is available with optional BP36V15-2U (limit 1), BP36V42-3U (multi-pack compatible) and BP36V27-2US (multi-pack compatible) external battery packs

### Highlights

- 1.5kVA / 1500VA / 1350W line interactive 2U rack/tower UPS, Sine Wave
- 230V output, Corrects brownouts and overvoltages from 158V to 278V
- 0.9 Power Factor, Interactive LCD interface
- Extended runtime options up to 1200W
- 4 post compatible mounting accessories
- 97% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 230V C14 inlet, 8 C13 outlets

### Package Includes

- SMX1500XLRT2U UPS System
- PowerAlert Software with USB, Serial & EPO cabling
- 4 post rackmount installation kit
- Set of 2 C13/C14 power cables
- Instruction manual



- 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
- 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 optional SNMPWEBCARD accessory monitoring options
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software; Built-in Emergency Power Off (EPO) interface with cable
- Optional PDUBHV10 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment

## Specifications

| General Info                             |   |
|--|---|
| RoHS                                     | Y   |
| OUTPUT                                   |   |
| Output Capacity Details                  | Output derates to 1200 watts in all external battery configurations |
| Output Volt Amp Capacity (VA)            | 1500  |
| Output kVA Capacity (kVA)                | 1.5   |
| Output Watt Capacity (Watts)             | 1350  |
| Output kW Capacity (kW)                  | 1.35  |
| Power Factor                             | 0.9   |
| Nominal Output Voltage(s) Supported      | 220V; 230V; 240V  |
| Nominal Voltage Details                  | 230v nominal inverter output voltage                                |
| Frequency Compatibility                  | 50 / 60 Hz  |
| 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                            |
| Hot-Swap PDU options                     | PDUBHV10 (2U / 8 C13 outlets)                                       |
| 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        | <a href="#">BP36V15-2U</a> (limit 1); <a href="#">BP36V42-3U</a> (multi-pack compatible); <a href="#">BP36V27-2US</a> (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 | <a href="#">RBC93-2U</a>  |
| Battery Access                             | Front panel battery access door   |
| 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   |
| <b>PHYSICAL</b>   |   |
| 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 17.5 x 13.5   |
| UPS Power Module Dimensions (hwd, cm)                         | 8.9 x 44.4 x 34.3   |
| Rack Height (U Spaces)  | 2   |
| UPS Power Module Weight (lbs.)                                | 43.1  |
| UPS Power Module Weight (kg)                                  | 19.6  |
| UPS Shipping Dimensions (hwd / in.)                           | 9 x 24 x 20.5   |
| UPS Shipping Dimensions (hwd / cm)                            | 22.9 x 61 x 52.1  |
| Shipping Weight (lbs.)  | 66.5  |
| Shipping Weight (kg)  | 30.2  |
| Cooling Method  | Fan   |
| UPS Housing Material  | Steel   |
| <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)                                 | 139   |
| AC Mode Efficiency Rating (100% Load)                         | 97%   |
| <b>COMMUNICATIONS</b>   |   |
| Communications Interface                                      | USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface   |
| Network Monitoring Port Description                           | Supports detailed monitoring of UPS and site power conditions   |
| PowerAlert Software   | Included  |
| Communications Cable  | USB and DB9 cabling included  |



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609, USA  
Telephone: 773.868.1234  
www.triplite.com

|   |   |
|---|---|
| WatchDog Compatibility                                      | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| <b>LINE / BATTERY TRANSFER</b>                              |   |
| 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   |
| <b>SPECIAL FEATURES</b>                                     |   |
| 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             |
| <b>CERTIFICATIONS</b>                                       |   |
| UPS Certifications  | CE; Tested to GOST (Russia)   |
| UPS Certification Details                                   | EN62040-1, 62040-2 (Class A)  |
| <b>WARRANTY</b>   |   |
| Product Warranty Period (Worldwide)                         | 2-year limited warranty   |

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