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Model #: SMX1500XLRT2U

SmartPro 1.5kVA 1350W Line Interactive Sine Wave UPS, Extended-run & SNMPWEBCARD options, 2U Rack/Tower, LCD, USB, RS232, EPO, 230V

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



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.

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

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) or BP36V42-3U (no limit) external battery packs
- 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

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA capacity (kVA)	1.5
Output Watt Capacity (watts)	1350
Output kW capacity	1.35
Output power factor	0.9
Output Capacity Details	Output derates to 1200 watts in all external battery configurations
Nominal Output Voltage(s) Supported	230V
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	+6% / -15%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 C13 outlet(s)
Included output power cables	Set of 2 C13 to C14 power cables included
Built-in controllable switched load banks	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 (at 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 breaker	10A

BATTERY

Full load runtime (minutes)	4.9 min. (1350w)
Half load runtime (minutes)	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%
Replacement battery cartridge (internal UPS battery replacement)	RBC93-2U
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%

LEDS ALARMS & SWITCHES

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)
Alarms	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
Alarm cancel operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Switches	3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions

SURGE / NOISE SUPPRESSION

UPS AC suppression joule rating	350
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

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 in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 13.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 34.3
Rack Height	2U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (lbs)	43.1
UPS / Power Module weight (kg)	19.6
UPS Shipping dimensions (height x width x depth / inches)	9 x 24 x 20.5
UPS Shipping dimensions (height x width x depth / 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
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
COMMUNICATIONS	
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

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 & high efficiency 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

Related Items

Optional Products

Related Model	Description	Qty.
BP36V15-2U	BP36V15-2U - External Battery Pack for UPS System	1
BP36V42-3U	BP36V42-3U - External Battery Pack for UPS System	1
PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1
MODBUSCARD	For remote monitoring and control via MODBUS protocol	1
UPSHDEARKIT	Heavy-Duty 2-post Front Mounting Ear Kit	1
SR SWITCH	Magnetic Door Switch Kit for front and rear doors; requires ENVIROSENSE	1
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1
PDU BHV10	Single-Phase Hot-Swap PDU, 10A 200-240V, 2U Horizontal Rackmount, 8 C13 outlets, set of 2 C14 inputs	1

PDUNV	Single-Phase Basic PDU, 16A 100-240V, 1U Rackmount, C13 C19 outlets, C20 input and C14, L6-20P, L5-20P, 5-20P and 5-15P adapters	1
PDUMH15HVNET	Single-Phase Switched PDU, 10/12A 200-240V, 1U Horizontal Rackmount, 8 C13 outlets, C14 inlet with C14 power cable	1
P004-002-13LA	AC Power Extension Cable - C13 Left Angle to C14 - 2'	1
P004-002-13RA	AC Power Extension Cable - C13 Right Angle to C14 - 2 ft.	1
P005-002-14LA	2-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Left-Angle IEC-320-C14)	1
P005-002-14RA	2-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Right-Angle IEC-320-C14)	1
P005-006-14LA	6-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Left-Angle IEC-320-C14)	1
P005-006-14RA	6-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Right-Angle IEC-320-C14)	1
P005-010-14LA	10-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Left-Angle IEC-320-C14)	1
P005-010-14RA	10-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to Right-Angle IEC-320-C14)	1
P005-006-BL	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Blue Connectors	1
P005-006-GN	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Green Connectors	1
P005-006-RD	6-ft. Heavy-Duty 14AWG Power Cord (IEC-320-C13 to IEC-320-C14) with Red Connectors	1
P005-006-YW	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to IEC-320-C14) Yellow Connectors	1
P004-003-13A	3-ft. 16AWG Power Cord (IEC-320-C14 to IEC-320-C13)	1
P004-006-13A	6-ft. 16AWG Power Cord (IEC-320-C14 to IEC-320-C13)	1
P004-002-5	5-Pack of 2-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
P018-003	3-ft. Heavy Duty 14AWG Power Cord, C14-to-C15	1
P018-006	6-ft. Heavy Duty 14AWG Power Cord, C14-to-C15	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=2687.

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