Model #: SMX3000XLRT2UA

SmartPro 3kVA 2700W Line Interactive Sine Wave UPS, Extended-Run & SNMPWEBCARD options, 2U Rack/Tower, LCD, USB, RS232, EPO, 230V

Highlights

- 3kVA / 3000VA / 2700W 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 2700W
- 4 post compatible mounting accessories
- 98% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 230V C20 inlet, 8 C13 & 1 C19 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. 98% 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.

Applications

Ideal for server, networking and telecommunications equipment

Package Includes

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

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
- 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 emisssions
- Internal batteries offer 11.1 minutes at 50% load (1350W) and 3.9 minutes at 100% load (2700W)
- Extended runtime is available with optional BP48V24-2U (limit 1) OR BP48V60RT3U (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)	3000
Output kVA capacity (kVA)	3
Output Watt Capacity (watts)	2700
Output kW capacity	2.7
Output power factor	.9
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); 1 C19 outlet(s)
Included output power cables	Set of 3 C13 to C14 power cables included
Built-in controllable switched load banks	Two switchable single outlet C13 load banks
Output AC waveform (AC mode)	Pure Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	
Rated input current (at maximum load)	14.1A
Nominal Input Voltage(s) Supported	230V AC
UPS input connection type	C20 inlet
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 breaker	20A

BATTERY

Full load runtime (minutes)	3.9 min. (2700w)
Half load runtime (minutes)	11.1 min. (1350w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 5 hours from 10 to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC58-2U
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, 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 206 and 183 are boosted by 12%
Severe undervoltage correction	Input voltages between 158 and 183 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
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous

PHYSICAL

Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 19.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 49.5
Rack Height	2U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (lbs)	62.8
UPS / Power Module weight (kg)	28.5
UPS Shipping dimensions (height x width x depth / inches)	9 x 23.75 x 20.5
UPS Shipping dimensions (height x width x depth / cm)	22.9 x 60.3 x 52.1
Shipping weight (lbs)	72.6
Shipping weight (kg)	33
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)	158

COMMUNICATIONS

Communications interface	USB (HID enabled); 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, DB9 and EPO cabling included

WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications	

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
Green & high efficiency features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks; Schedulable daily hours of economy mode operation

CERTIFICATIONS

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

Related Items

Optional Products

Related Model	Description	Qty.
BP48V24-2U	External Battery Pack for UPS System	1
BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web or Telnet	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires UPS with SNMPWEBCARD, monitored PDU or switched PDU.)	1
SRSWITCH	Magnetic Door Switch Kit for front and rear doors; requires ENVIROSENSE	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
MODBUSCARD	For remote monitoring and control via MODBUS protocol	1
2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1
RBC58-2U	2U UPS Replacement Battery Cartridge for select Tripp Lite UPS systems	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
PDU12IEC	Single-Phase Basic PDU, 16A 100-240V, 1U Horizontal Rackmount, 12 C13 and 2 C19 outlets, C20 inlet	1
PDUMH20HV	Single-Phase Metered PDU, 16/20A 200-240V, 1U Horizontal Rackmount, 2 C19 and 8 C13 outlets, C20 input with NEMA L6-20P adapter	1

PDUMH20HVAT	Single-Phase Auto Transfer Switch / Metered PDU, 16/20A 200-240V, 1U Horizontal Rackmount, 8 C13 and 2 C19 outlets, 2 C20 inputs	1
PDUMV20HV	Single-Phase Metered PDU, 16/20A 200-240V, 0U Vertical Rackmount, 6 C19 and 32 C13 outlets, C20 inlet with NEMA L6-20P input cable	1
PDUMNH20HV	Single-Phase Monitored PDU, 20A 200-240V, 1U Horizontal Rackmount, 8 C13 outlets, C20 input with L6-20P adapter	1
PDUMNV20HV	Single-Phase Monitored PDU, 20A 200-240V, 0U 70 in. Vertical Rackmount, 20 C13 and 4 C19 outlets, C20 inlet and NEMA L6-20P cable	1
PDUMNV20HV2	Single-Phase Monitored PDU, 20A 200-240V, 0U 35.5 in. Vertical Rackmount, 18 C13 and 2 C19 outlets, C20 inlet and L6-20P cable	1
PDUMH20HVATNET	Single-Phase ATS / Switched PDU, 16/20A 200-240V, 1U Horizontal Rackmount, 8 C13 and 2 C19 outlets, 2 C20 inputs	1
PDUMH20HVNET	Single-Phase Switched PDU, 16/20A 200-240V, 1U Horizontal Rackmount, 8 C13 outlets, C20 inlet with L6-20P and C20 cables	1
PDUMV20HVNET	Single-Phase Switched PDU, 16/20A 200-240V, 70 in / 178cm 0U vertical mount, 20 C13 and 4 C19 outlets, C20 inlet and L6-20P cable	1
PDUMV20HVNET2	Single-Phase Switched PDU, 20A 200-240V, 39 in. / 1m 0U Vertical Rackmount, 7 C13 & 1 C19 outlets, C20 inlet and NEMA L6-20P cable	1
P004-001	1-ft. 18AWG Power Cord (IEC-320-C14 to IEC-320-C13)	1
P004-002	2-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
P004-002-13A	2-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
P004-003	3-ft. 18AWG Power Cord (IEC-320-C14 to IEC-320-C13)	1
P004-003-13A	3-ft. 16AWG Power Cord (IEC-320-C14 to IEC-320-C13)	1
P004-004	4-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
P036-002	2-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20)	1
P036-006	6-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20)	1
P036-006-2C19	6-ft. AC Power Splitter Cable (C20 to 2 x C19)	1
P036-010	10-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20)	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=5658.