Model #: SMX3000XLRT2U

SmartPro 3kVA Line Interactive Sine Wave UPS, Extended-run & SNMPWEBCARD options, 2U Rack/Tower, USB, Serial, EPO, 230V

Highlights

- 3kVA / 3000VA line interactive 2U rack/tower UPS; Sine wave output
- 230V nominal output during brownouts to 151V and overvoltages to 282V
- USB, RS232, EPO & optional SNMP/Web card are available for simultaneous use
- Detailed status LEDs; 3 switched output load banks
- C20 inlet; 8 C13 & 1 C19 outlets; Includes 3 C13 to C14 cables

Description

Tripp Lite's SMX3000XLRT2U intelligent, line interactive rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 11 minutes half load runtime and 4 minutes at full load. Runtime is expandable with optional BP48V24-2U or BP48V60RT-3U external battery packs. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 158 to 278V. 3000VA/2250 watt power handling capability and full time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes a total of 9 outlets with 3 load banks that are individually switchable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency. Multi-function audible alarms and set of 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme.

Package Includes

- SMX3000XLRT2U UPS System
- PowerAlert software with USB and DB9 cables
- Mounting hardware for 4 post rackmount applications
- Cable for Emergency Power Off interface
- Instruction manual with warranty information

Features

- SMX3000XLRT2U line interactive UPS offers battery derived sine wave AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
- 3000VA/2250 watt power handling capability with full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic devices
- Supports 2U rackmount installation in 4 post equipment racks, 2 post rackmount installation requires 2POSTRMKITWM, upright tower installation requires 2-9USTAND accessory
- Large internal batteries support a half load of 1500VA for 11 minutes and a full load of 3000VA for 4 minutes
- Runtime is further expandable with the addition of external battery packs (BP48V21-2U - limit 1; or BP48V60RT-3U - multi-pack compatible)
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Maintains regulated 230V nominal output during brownouts and overvoltages from 158 to 278V
- Includes 9 UPS supported outlets arranged in 3 individually controllable load banks (2 outlets per bank) that can be powered off and back on again via software interface
- IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles

- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands.
- Offers simultaneous monitoring through included USB and DB9 interface ports, or the monitoring by any number of additional servers over IP with included PowerAlert monitoring software.
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity
- Emergency Power Off (EPO) interface with cable
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for delayed or immediate reboot of connected devices
- Supports Tripp Lite's WatchDog software application to restore operation to locked equipment through soft reboot of application, OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications (requires optional WATCHDOGSW)
- Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression
- Attractive all-black color scheme
- UPS battery set ships fully assembled, no time consuming connection of internal batteries by user is necessary

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA capacity (kVA)	3
Output Watt Capacity (watts)	2250
Output kW capacity	2.2
Output power factor	0.8
Nominal Output Voltage(s) Supported	230V
Nominal Voltage details	230v nominal inverter output voltage
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	230V (-15%, +6%)
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 C13 outlet(s); 1 C19 outlet(s)
Included output power cables	Includes 3 C13 to C14 output power cables
Built-in controllable switched load banks	Three switchable two-outlet C13 load banks
Output circuit breaker	10A (x2) - each breaker protects 4 C13 outlets, C19 outlet does not include a breaker
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	

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 detachable cordsets to match country or site-specific wall receptacles
Input circuit breaker	20A
BATTERY	
Full load runtime (minutes)	4 min. (2250w)
Half load runtime (minutes)	11 min. (1125w)
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 4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC94-2U
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	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure, overload and low-battery conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; Rear dip-switch for charger rate adjustment
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	480
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit 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 in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 19
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 48.3
Rack Height	2U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (lbs)	64
UPS / Power Module weight (kg)	29.1
UPS Shipping dimensions (height x width x depth / inches)	9 x 23.5 x 20
UPS Shipping dimensions (height x width x depth / cm)	22.9 x 59.7 x 50.8
Shipping weight (lbs)	72
Shipping weight (kg)	32.7
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)	236.6
Battery mode BTU / hr. (full load)	1245.3

COMMUNICATIONS

Communications interface	USB; DB9 Serial
Network monitoring port description	Supports detailed monitoring of UPS and site powe.r conditions; 1 USB port and 1 DB9 serial port.
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	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	151
High voltage transfer to battery power (setpoint)	282

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; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances)
UPS Certification details	CE / IEC 62040-1, EN62040-2 (EMC)

WARRANTY

Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	2-year limited warranty

Related Items

Optional Products

Related Model	Description	Qty.
BP48V24-2U	BP48V242U - External Battery Pack for UPS System	1
BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	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
PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1

UPSHDEARKIT	Heavy-Duty 2-post Front Mounting Ear Kit	1
U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1
PDUBHV10	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
MODBUSCARD	For remote monitoring and control via MODBUS protocol	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
P070-010	10-ft. IEC309 to C19 Power Cord	1
P052-008	8-ft. Power cord (IEC-320-C19 to BS1363 UK Plug)	1
P050-008	8-ft. Power cord (IEC-320-C19 to CEE 7/7 SCHUKO)	1
P036-002-20LA	2-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20 Left Angle)	1
P036-002-20RA	2-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20 Right Angle)	1
P036-006	6-ft. 12AWG Heavy Duty Power cord (IEC-320-C19 to IEC-320-C20)	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=2694.