Important Note

SMX3000XLRT2U is available in Mexico only. In countries outside of Mexico, this Model has been discontinued and replaced by SMX3000XLRT2UA.

SmartPro 230V 3kVA 2.25kW Line-Interactive Sine Wave UPS, 2U Rack/Tower, Extended Run, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SMX3000XLRT2U**





Highlights

- 3kVA / 3000VA / 2250W line interactive 2U rack/tower UPS; Sine wave output
- 230V nominal output during brownouts to 158V and overvoltages to 278V
- Add optional WEBCARDLX with latest version of PADM20 for IP-based Auto Probe feature
- Extended runtime options up to 1600W
- Detailed status LEDs; 3 switched output load banks
- C20 inlet; 8 C13 and 1 C19 outlets; Includes 3 C13 to C14 cables

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

Description

The 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 10 minutes half load runtime and 3.3 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/2250W power handling capability and full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic applications. Includes a total of nine outlets with three 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. Compatible with UPS management card options TLNETCARD, WEBCARDLX, SNMPWEBCARD and RELAYIOCARD. 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 five 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.

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 rack-mount installation in 4-post equipment racks, 2-post rack-mount installation requires 2POSTRMKITWM, upright tower installation requires 2-9USTAND accessory
- Large internal batteries support a half load of 1500VA for 10 minutes and a full load of 3000VA for 3.3

minutes

- Runtime is further expandable with the addition of external battery packs BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible)
- Some external battery configurations require the use of External Battery Configuration Software (see manual)
- Intelligent battery management system extends battery life
- 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 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
- Optional WEBCARDLX (sold separately) with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities
- PADM20 and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations
- IP-based Auto Probe detects lost connectivity and restores service autonomously
- 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
- Optional PDUBHV20 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- UPS battery set ships fully assembled, no time consuming connection of internal batteries by user is necessary

Specifications

OVERVIEW	
UPC Code	037332120502
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	15A

Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C20 inlet
UPS Input Connection Description	User supplies input cabling with C19 output connection
Input Circuit Breakers	20A
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2250
Output Capacity (kW)	2.25
Output Capacity Details	Output is reduced to 1600W maximum when used with external battery packs
Power Factor	0.75
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	230V (-15%, +6%)
Output Voltage Regulation (Battery Mode)	+/- 5%
Included Output Power Cables	Includes 3 C13 to C14 output power cables
Load Management Receptacles	Three switchable two-outlet C13 load banks
Output Circuit Breakers	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
Nominal Output Voltage(s) Supported	230V
Output Receptacles	(8) C13; (1) C19
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3.35 min. (2250W)
Runtime Half Load (min.)	10 min. (1125W)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (multi-pack compatible)
DC System Voltage (VDC)	48

Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	RBC94-2U
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	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; Rear dip-switch for charger rate adjustment
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	2U
Cooling Method	Fan
Included Mounting Accessory Description	Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); 2-4 post front rail rackmount (UPSHDEARKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)
Minimum Required Rack Depth (cm)	55.88

Minimum Required Rack Depth (inches)	22
Minimum Required Rack Depth with External Battery Pack (cm)	66
Minimum Required Rack Depth with External Battery Pack (in.)	26
Minimum Required Rack Depth without External Battery Pack (cm)	57
Minimum Required Rack Depth without External Battery Pack (in.)	22.5
Optional Mounting Accessory Notes	Optional 2-9USTAND enables upright tower UPS placement; 2POSTRMKITWM enables wall-mount and 2-post rackmount installation; 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); UPSHDEARKIT enables installation in 2 or 4-post racks using front vertical rails only, without rear support
Primary UPS Depth (mm)	483
Primary UPS Height (mm)	89
Primary UPS Width (mm)	445
Shipping Dimensions (hwd / in.)	9.00 x 23.75 x 20.25
Shipping Dimensions (hwd / cm)	22.86 x 60.32 x 51.44
Shipping Weight (lbs.)	72.60
Shipping Weight (kg)	32.93
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 48.26
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 19
UPS Power Module Weight (kg)	29.03
UPS Power Module Weight (lbs.)	64
Unit Dimensions (hwd / in.)	3.500 x 17.500 x 19.000
Unit Weight (lbs.)	60.2000
Unit Weight (kg)	27.31
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	236.6
AC Mode Efficiency Rating (100% Load)	97%
Audible Noise	45 dBA maximum, front side 1m

COMMUNICATIONS	
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
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	4 ms (AC to Battery); 2 ms (Battery to AC) typical
Low Voltage Transfer to Battery Power (Setpoint)	151
High Voltage Transfer to Battery Power (Setpoint)	282
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network
STANDARDS & COMPLIANCE	
Product Certifications	EN 62040-2
Product Compliance	RoHS; CE (Europe); FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
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

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