Model #: SMX5000XLRT3U

SmartPro 5kVA Line Interactive Sine Wave UPS, Extended-run & SNMPWEBCARD options, 3U Rack/Tower, USB, Serial, EPO, 230V

Highlights

- 5000VA 230V Sine Wave Expandable Rack/Tower UPS - All-in-one chassis requires 3 rack spaces total
- AVR corrects brownouts to 170V and overvoltages to 282V
- Multiple interfaces - USB, DB9 (serial & contact closure), SNMPWEBCARD Slot
- 11 Outlets (3 C19, 8 C13)
- Hardwire input
- 2 Year Warranty

Description

5000VA line interactive UPS for server, network and telecommunications equipment/UPS with internal batteries requires 3 rack spaces installed/accepts 230V nominal input voltage/Corrects brownouts and overvoltages from 170 to 282V/Sine wave output/Uninterruptible Power Supply (UPS) maintains battery derived AC output during blackouts and severe voltage fluctuations/Expandable runtime with optional external battery packs/11 output receptacles/Hardwire input connection/Network-grade AC surge and noise suppression/Network management interfaces include USB, DB9 serial with contact closure and SNMPWEBCARD slot/Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all network interfaces at once/Includes PowerAlert monitoring software and complete cabling/Emergency Power Off (EPO) interface/3 stage metered current monitoring and battery charge LEDs/Mains power and voltage regulation LEDs/Audible alarm/Self-test/4 post rack mounting accessories/2-9USTAND and 2POSTRMKIT accessories available/Field replaceable, hot-swappable internal batteries and battery packs/Attractive all-black UPS design/Two year warranty

Package Includes

- SMX5000XLRT3U UPS system
- PowerAlert Software and Cabling
- Mounting hardware for 4 post rackmount installation
- Warranty information
- Instruction manual

Features

- 5000VA/3750 watt max. output power capacity compatible with International 230V 50/60Hz input voltage
- 3U rack/tower UPS installs in standard 19 inch rack enclosures with an installed depth of only 75 cm
- Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges
- Line Interactive Automatic Voltage Regulation (AVR) corrects 230V nominal input from 170 to 282VAC back to usable 230V levels without consuming battery power
- AVR circuits boost undervoltages from 170 to 199V by 12% and reduce overvoltages from 245 to 282V by 12%
- Network interfaces support simultaneous communications via USB, DB9 serial or contact closure and SNMPWEBCARD slot
- Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP
- Communications ports support on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge

current, battery capacity, internal UPS temperature, AC line frequency, timed inverter shutoff and activate self-test

- Built-in Emergency Power Off (EPO) interface with cable
- Sine wave output in AC and battery mode
- Expandable runtime with optional BP48V60RT3U external battery packs
- Half/full load runtime of 27/10 minutes with internal batteries
- Includes 11 output receptacles (3 C19/8 C13)
- Hardwire input AC connection
- 3 stage metered LEDs offer current monitoring and battery charge level
- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Included adjustable mounting rails support installation in 4 post 19 inch racks
- Supports 2 post rackmount installation with optional 2POSTRMKIT accessory
- Supports upright tower placement with optional 2-9USTAND accessory
- CE, GOST, SASO listed
- 2 year manufacturer's product warranty

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	5000
Output kVA capacity (kVA)	5
Output Watt Capacity (watts)	3750
Output kW capacity	3.8
Output power factor	0.8
Nominal Output Voltage(s) Supported	230V
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	-17%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 C13 outlet(s); 3 C19 outlet(s)
Included output power cables	Includes 3 C13 to C14 output power cables
Output circuit breaker	15A (x3) breaker supports 1 C19 outlet each, 10A (x2) breaker supports 4 C13 outlets each
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	
Rated input current (at maximum load)	27A
Nominal Input Voltage(s) Supported	230V AC
UPS input connection type	Hardwire
BATTERY	

Full load runtime (minutes)	8.5 min. (3750w)
Half load runtime (minutes)	20 min. (1875w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	BP48V60RT3U (multi-pack compatible)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC94-3U (quantity 3)
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 170 to 282
Overvoltage correction	Input voltages between 245 and 282 are reduced by 12%
Undervoltage correction	Input voltages between 170 and 199 are boosted by 12%

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

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); Tower (2-9USTAND)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	5.2 x 17.5 x 25

UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	13.3 x 44.4 x 63.5
Installed whole system total rack space height (rack spaces)	3U
Secondary form factor	Tower (requires 2-9USTAND)
Installed whole system dimensions in secondary form factor (height x width x depth / inches)	17.5 x 5.2 x 25
UPS dimensions in secondary form factor (height x width x depth / cm)	44.4 x 13.3 x 63.5
UPS / Power Module weight (lbs)	143
UPS / Power Module weight (kg)	64.9
UPS Shipping dimensions (height x width x depth / inches)	11.2 x 23 x 31.5
UPS Shipping dimensions (height x width x depth / cm)	28.6 x 58.4 x 80
Shipping weight (lbs)	182
Shipping weight (kg)	82.6
UPS housing material	Steel
Cooling method	Fans
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)	260.2
Battery mode BTU / hr. (full load)	1416.7
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	2-4 milliseconds

Low voltage transfer to battery power (setpoint)	170
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

CERTIFICATIONS

UPS Certifications	Tested to CE (EU); Tested to GOST (Russia); Tested to SASO (Saudi Arabia)

WARRANTY

Product Warranty Period (U.S., Canada & Puerto Rico)	2-year limited warranty

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Power Distribution	PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
USB Hubs/Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-
External Battery Packs	BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	-
Tower Stands	2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	-
UPS Accessories	MODBUSCARD	For remote monitoring and control via MODBUS protocol	-
Rackmount/Wallmount Kits	2POSTRMKITHD	Enables 2-Post Rackmount Installation of 3U and Larger UPS, Transformer and Battery Pack Components	-

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=3036.