



Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

Model Number: SMX5000XLRT3U

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

Highlights

- 5kVA / 5000VA line interactive 3U rack/tower UPS; Sine wave output
- 230V nominal output during brownouts to 170V and overvoltages to 282V
- USB, Serial, EPO & optional SNMP/Web card monitoring options
- 3U all-in-one chassis; 98% efficiency
- Hardwire input; 8 C13 & 3 C19 outlets



Description

5000VA line interactive UPS system for server, network and telecommunications equipment. 5kVA UPS with internal batteries installs in only 3 rack spaces with a depth of only 635mm / 25 inches. High 98% line-power efficiency rating reduces energy consumption and BTU heat output. Expandable battery runtime with optional BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs. Uninterruptible Power Supply (UPS) switches to battery-derived AC output during power failures and extreme voltage variations. Line interactive Automatic Voltage Regulation (AVR) offers voltage boost during brownouts and voltage reduction during overvoltage conditions to maintain regulated 230v output over an input range of 170-282V. Supports hardwire input. Includes C19 and C13 output receptacles. Network-grade AC surge and noise suppression. Network management interfaces support communications via USB, DB9 serial and SNMPWEBCARD slot. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces at once. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. 3-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 4-post rackmount installation accessories included; 2-9USTAND tower kit and 2POSTRMKITWM two post rack mounting accessories available. Field-replaceable, hot-swappable internal batteries and external battery packs.

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 input voltage
- 3U rack/tower UPS installs in standard 19 inch rack enclosures with an installed depth of only 635mm / 25in
- 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 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 BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) 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

Specifications

| OUTPUT | |
|--|---|
| Output Volt Amp Capacity (VA) | 5000 |
| Output kVA capacity (kVA) | 5 |
| Output Watt Capacity (watts) | 3750 |
| Output kW capacity | 3.75 |
| Output power factor | 0.75 |
| Nominal Output Voltage(s) Supported | 220V; 230V; 240V |
| Nominal Voltage details | 230v nominal inverter output voltage |
| 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 |
| Phase | Single-Phase |

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| 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 | 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 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 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 |

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| Rack Height | 3U |
| Secondary form factor | Tower (requires 2-9U STAND) |
| UPS / Power Module weight (lbs) | 143 |
| UPS / Power Module weight (kg) | 64.9 |
| UPS Shipping dimensions (height x width x depth / inches) | 11.3 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 |
| Cooling method | Fans |
| 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) | 271 |
| AC mode efficiency rating (100% load) | 98% |
| 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 |

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| High availability UPS features | Hot swappable batteries |
| Green & high efficiency features | Greater than 95% efficiency - GREEN UPS |
| CERTIFICATIONS | |
| UPS Certifications | CE |
| UPS Certification details | Class A (EMI) |
| 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. |
|------------------------------|---|------|
| 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 |
| SRSWITCH | Magnetic Door Switch Kit for front and rear doors; requires ENVIROSENSE | 1 |
| BP48V27-2US | BP48V27-2US - 2U External 48V Rack/Tower Battery pack for select Tripp Lite UPS Systems | 1 |
| BP48V24-2U | BP48V24-2U - 2U External 48V Rack/Tower Battery Pack for select Tripp Lite UPS Systems | 1 |
| BP48V60RT-3U | External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector | 1 |
| PDU12IEC | Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment | 1 |
| 2-9U STAND | Enables Tower Placement of Rackmount UPS Systems | 1 |
| MODBUSCARD | For remote monitoring and control via MODBUS protocol | 1 |
| 2POSTRMKITHD | Enables 2-Post Rackmount Installation of 3U and Larger UPS, Transformer and Battery Pack Components | 1 |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at <http://www.tripplite.com/sku/SMX5000XLRT3U>.

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