

## TAA SmartPro 120V 3kVA 2.88kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: **SM3000RMLX2UTAA**



### Description

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. This 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/LED 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. 96-percent line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and optional slot for network management card options. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and macOS. Network communications ports enable detailed monitoring of equipment load levels, self-test data and utility power conditions. PowerAlert® UPS monitoring and auto shutdown software is available via free download. Switched output load banks enable scheduled and real-time remote reboot and load shedding of select outlets. Emergency Power Off (EPO) interface. LED/LCD display panel easily rotates for viewing in rack-mount 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.

### Features

- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- SM3000RMLX2UTAA 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 83 to 145V
- NEMA L5-30P input plug; 8 NEMA 5-15/20R and 1 L5-30R output receptacles, Two independently switchable output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 96% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 10 minutes at 50% load (1440W) and 3 minutes at 100% load (2880W)
- Extended runtime is available with optional BP48V24-2U / BP48V242UTAA (limit 1) OR BP48V60RT3U / BP48V60RT3UTAA (no limit)

### Highlights

- 3kVA / 3000VA / 2880W line interactive 2U rack/tower UPS, Sine Wave
- Extended runtime options up to 2880W, 0.9 Power Factor, Interactive LCD interface
- USB, RS232, EPO and slot for network management card options
- NEMA L5-30P input; 8 NEMA 5-15/20R and 1 L5-30R outlets
- TAA Compliant for GSA Schedule purchases
- To use the Auto Probe feature, this product requires a WEBCARDLXE network interface (sold separately) running LX firmware update 20.2 or later

### Package Includes

- SM3000RMLX2UTAA UPS system
- PowerAlert Software with USB, Serial & EPO cabling
- 4 post rackmount installation kit
- Instruction manual



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- External battery configurations require the use of 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
- Following an extended power outage, the UPS will automatically restart into line-power mode, begin powering connected equipment and recharge the battery system, all without user interaction
- 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 rack-mount installation hardware; Optional 2POSTRMKITWM enables 2-post rack-mount/wallmount installation; Optional 2-9USTAND enables tower placement
- Built-in USB, RS-232 and optional slot for network management card options; Compatible with UPS management card options TLNETCARD and WEBCARDLXE
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and macOS
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from [tripplite.eaton.com/products/power-alert](http://tripplite.eaton.com/products/power-alert)
- Built-in Emergency Power Off (EPO) interface with cable

## Specifications

| OVERVIEW                           |                                     |
|------------------------------------|-------------------------------------|
| UPC Code                           | 037332153609                        |
| UPS Type                           | Line-Interactive                    |
| INPUT                              |                                     |
| Input Phase                        | Single-Phase                        |
| Rated input current (Maximum Load) | 24A                                 |
| Nominal Input Voltage(s) Supported | 120V AC                             |
| UPS Input Connection Type          | L5-30P                              |
| UPS Input Cord Length (ft.)        | 10                                  |
| UPS Input Cord Length (m)          | 3.1                                 |
| Recommended Electrical Service     | 30A 120V                            |
| Maximum Input Amps                 | 24                                  |
| OUTPUT                             |                                     |
| Output Capacity (VA)               | 3000                                |
| Output Capacity (kVA)              | 3                                   |
| Output Capacity (Watts)            | 2880                                |
| Output Capacity (kW)               | 2.88                                |
| Power Factor                       | .96                                 |
| Nominal Voltage Details            | 120v nominal output in battery mode |
| Frequency Compatibility            | 60 Hz                               |



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| Output Voltage Regulation (Line Mode)      | +6%, -14%  |
| Output Voltage Regulation (Battery Mode)   | +/-5%  |
| Load Management Receptacles                | Two switchable single outlet 5-15/20R load banks   |
| Output Circuit Breakers                    | Two 20A output breakers protect 4 5-15/20R outlets each  |
| Output AC Waveform (AC Mode)               | Pure Sine wave   |
| Output AC Waveform (Battery Mode)          | Pure Sine wave   |
| Nominal Output Voltage(s) Supported        | 110V; 115V; 120V   |
| Output Receptacles                         | (8) 5-15/20R; (1) L5-30R   |
| Individually Controllable Load Banks       | Yes  |
| BATTERY                                    |  |
| Battery Type                               | Valve Regulated Lead Acid (VRLA)   |
| Runtime Full Load (min.)                   | 3 min. (2880W)   |
| Runtime Half Load (min.)                   | 10 min. (1440W)  |
| Expandable Runtime                         | Yes  |
| External Battery Pack Compatibility        | &nbsp;  <a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-Enclosure-DC-Cabling-select-UPS-Systems~BP48V24-2U">BP48V24-2U</a>&nbsp;  (limit 1); BP48V60RT-3U (multi-pack compatible); &nbsp;  <a class="productLink" href="//tripplite.eaton.com/External-48V-2U-Rack-Tower-Battery-Pack-for-UPS-Systems~BP48V27-2US">BP48V27-2US</a>&nbsp;  (multi-pack compatible) |
| DC System Voltage (VDC)                    | 48   |
| Battery Recharge Rate (Included Batteries) | Less than 5 hours from 10 to 90%   |
| Battery Access                             | Front panel battery access door  |
| Internal UPS Replacement Battery Cartridge | &nbsp;  <a class="productLink" href="//tripplite.eaton.com/2U-UPS-Replacement-48VDC-Battery-Cartridge-for-Tripp-Lite-UPS-systems~RBC58-2U">RBC58-2U</a>&nbsp;  |
| 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 83 to 145   |
| Overvoltage Correction                     | Input voltages between 127 and 145 are reduced by 12%  |
| Undervoltage Correction                    | Input voltages between 108 and 96 are boosted by 12%   |
| Severe Undervoltage Correction             | Input voltages between 83 and 95 are boosted by 24%  |
| USER INTERFACE, ALERTS & CONTROLS          |  |
| 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)  |
| Switches                                   | 3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions   |
| Alarm Cancel Operation                     | Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available   |





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| Shipping Weight (kg)                               | 40.82  |
| UPS Housing Material                               | Steel  |
| UPS Power Module Dimensions (hwd, cm)              | 8.89 x 44.45 x 48.26   |
| UPS Power Module Dimensions (hwd, in.)             | 3.50 x 17.50 x 19.00   |
| 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.)                                 | 64.000   |
| Unit Weight (kg)                                   | 29.03  |
| Mounting Details                                   | Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)  |
| <b>ENVIRONMENTAL</b>                               |  |
| 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)                      | 409  |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 1736   |
| Audible Noise                                      | 45 dBA maximum, front side 1m  |
| <b>COMMUNICATIONS</b>                              |  |
| Network Management Cards                           | &nbsp;<a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a>&nbsp;; &nbsp;<a class="productLink" href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems~WEBCARDLXE">WEBCARDLXE</a>&nbsp; |
| Network Monitoring Port Description                | Supports detailed monitoring of UPS and site power conditions  |
| PowerAlert Software                                | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>   |
| Communications Cable                               | USB, DB9 and EPO cabling included  |
| Network Management Card Description                | Network management card optional   |
| Communications Interface                           | DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)  |
| <b>LINE / BATTERY TRANSFER</b>                     |  |
| Transfer Time                                      | 5 milliseconds (AC to battery mode), 1 millisecond (Battery to AC mode)  |
| Low Voltage Transfer to Battery Power (Setpoint)   | 83   |
| High Voltage Transfer to Battery Power (Setpoint)  | 145  |
| <b>FEATURES &amp; SPECIFICATIONS</b>               |  |



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| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported   |
| High Availability UPS Features                              | Automatic Voltage Regulation (AVR); Hot swappable batteries; Pure sine wave output; Remote management; Surge/noise protection; Auto Probe Monitoring (requires WEBCARDLXE) |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks  |
| <b>APPLICATIONS</b>   |  |
| UPS Applications  | Large Network  |
| <b>STANDARDS &amp; COMPLIANCE</b>                           |  |
| Product Certifications                                      | CSA (Canada); UL 1778  |
| Product Compliance  | RoHS; FCC Part 15 Class A (USA); Trade Agreements Act (TAA)  |
| <b>WARRANTY &amp; SUPPORT</b>                               |  |
| Product Warranty Period (Worldwide)                         | 2-year limited warranty  |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico)  | \$250,000&nbsp;<a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp;  |

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