

TAA SmartPro 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, LCD, USB, DB9

MODEL NUMBER: **SM1500RMLX2UTAA**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for servers, storage devices and telecom hardware.

Features

Protects Mission-Critical Rack-Mounted Equipment

- Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardware
- Audible alarm signals loss of utility power, overload, low battery and more
- 8 NEMA 5-15R outlets
- 10-ft. (3.05 m) power cord with 120V NEMA 5-15P input
- 570-joule surge suppression rating

Reliable Battery Backup with Expandable Runtime

- Supports half load up to 14 min. and full load up to 4.9 min.
- Internal batteries designed for hot-swap field replacement
- Expandable runtime with optional external battery packs, such as BP36V15-2U
- 95% line-power efficiency rating saves money in energy costs

Switchable Outlets

- 2 load banks, each with 2 outlets controllable remotely to reboot equipment or shed nonessential loads

Automatic Voltage Regulation (AVR)

- Maintains 120V nominal output over input range of 83V-145V without using battery power

EMI/RFI Line Noise Filtering

- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's

Highlights

- Corrects under- and overvoltages from 83V to 145V
- 8 NEMA 5-15R outlets—4 switchable via network interface
- Network power management and control capability
- Expandable runtime with optional external battery packs
- 14 min. runtime at half load; 4.9 min. at full load
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Package Includes

- SM1500RMLX2UTAA SmartPro 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual

performance

Interactive LCD Screen

- Front-panel LCD monitors power status, operating data, voltage, alarm and other options
- Rotates for easy viewing in rack-mount or tower configurations

Optional Network Management Cards

- Compatible with UPS management cards, including TLNETCARD, WEBCARDLX and SNMPWEBCARD

Communications Ports

- USB and DB9 ports enables data-saving unattended shutdown when used with PowerAlert software, available via FREE download from triplite.eaton.com/products/power-alert
- EPO port supports emergency shutdown in large facilities

Versatile Installation Options

- Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rack
- Mounts on wall or 2-post rack with optional 2POSTRMKITWM accessory
- Mounts in upright tower position with optional 2-9USTAND accessory
- Mounts to front rails of 2- or 4-post rack with optional UPSHDEARKIT accessory

TAA Compliant

- Complies with Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

| OVERVIEW | |
|------------------------------------|------------------|
| UPC Code | 037332152831 |
| UPS Type | Line-Interactive |
| INPUT | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 12A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 15A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3.1 |
| Recommended Electrical Service | 15A 120V |
| OUTPUT | |

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| Output Capacity (VA) | 1500 |
| Output Capacity (kVA) | 1.5 |
| Output Capacity (Watts) | 1350 |
| Output Capacity (kW) | 1.35 |
| Output Capacity Details | Output is reduced to 1200 watts maximum when used with external battery packs |
| Power Factor | 0.9 |
| Nominal Voltage Details | 120v nominal output in battery mode |
| Frequency Compatibility | 60 Hz |
| Output Voltage Regulation (Line Mode) | -14%, +6% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Load Management Receptacles | Two switchable two-outlet 5-15R load banks |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |
| Output Receptacles | (8) 5-15R |
| Individually Controllable Load Banks | Yes |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 4.9 min. (1350W) |
| Runtime Half Load (min.) | 14 min. (675W) |
| Expandable Runtime | Yes |
| External Battery Pack Compatibility | BP36V15-2U (limit 1); BP36V42-3U (multi-pack compatible); BP36V27-2US (multi-pack compatible) |
| DC System Voltage (VDC) | 36 |
| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% |
| Battery Access | Front panel battery access door |
| Internal UPS Replacement Battery Cartridge | RBC93-2U |
| 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 83 to 145 |

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| Overvoltage Correction | Input voltages between 127 and 145 are reduced by 12% |
| Undervoltage Correction | Input voltages between 95 and 108 are boosted by 12% |
| Severe Undervoltage Correction | Input voltages between 83 and 94 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 |
| Audible Alarm | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 570 |
| 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) | 43.18 |
| Minimum Required Rack Depth (inches) | 17 |
| Minimum Required Rack Depth with External Battery Pack (cm) | 51 |
| Minimum Required Rack Depth with External Battery Pack (in.) | 20 |
| Minimum Required Rack Depth without External Battery Pack (cm) | 42 |

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| Minimum Required Rack Depth without External Battery Pack (in.) | 16.5 |
| 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) | 342 |
| Primary UPS Height (mm) | 88 |
| Primary UPS Width (mm) | 439 |
| Shipping Dimensions (hwd / in.) | 8.80 x 23.00 x 19.30 |
| Shipping Dimensions (hwd / cm) | 22.35 x 58.42 x 49.02 |
| Shipping Weight (lbs.) | 57.40 |
| Shipping Weight (kg) | 26.04 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 8.76 x 43.94 x 34.16 |
| UPS Power Module Dimensions (hwd, in.) | 3.45 x 17.3 x 13.45 |
| UPS Power Module Weight (kg) | 21.09 |
| UPS Power Module Weight (lbs.) | 46.5 |
| Unit Weight (lbs.) | 46.5000 |
| Unit Weight (kg) | 21.09 |
| 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) | 237 |
| AC Mode Efficiency Rating (100% Load) | 95% |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 751 |
| Audible Noise | 45 dBA maximum, front side 1m |
| COMMUNICATIONS | |
| Network Management Cards | SNMPWEBCARD; TLNETCARD ; WEBCARDLX; WEBCARDLXE |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions |

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|---|---|
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Network UPS Tools (NUT) Compatibility | NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite |
| 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 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 |
| 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 | CSA (Canada); NOM (Mexico); UL 1778 |
| Product Compliance | RoHS; FCC Part 15 Class B (USA); Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 & Ultimate Lifetime Insurance |



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