

SmartPro 750VA 600W 120V Line-Interactive Sine Wave UPS - Extended Run, WEBCARDLXE, LCD, USB, DB9, 2U

MODEL NUMBER: **SMART750RML2UN**



Line-interactive UPS offers complete power protection for small network applications, including telecom, security and digital signage.

Features

750VA/750W/120V Battery Backup for Distributed IT, Telecom or Enterprise Deployments

The Tripp Lite series SmartPro rack-mount line-interactive UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage your valuable IT equipment or destroy data. The SMART750RML2U is ideal power management for high-end in-rack networking equipment, including servers, VoIP phones, data storage and PoE switches. Unity power factor ensures the most watts possible at each power rating, so you can connect more equipment.

Reliable, Expandable Battery Backup Keeps You Operational Through Power Outages

The field-replaceable, hot-swappable VRLA battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. Switchover from line to battery power happens within milliseconds to maintain continuous operation of connected equipment without interruption or rebooting. Extra runtime is available by connecting up to four optional extended battery modules (BP48VRM2U, sold separately).

Pre-Installed LX Platform Network Management Card Allows Remote Access 24/7

The WEBCARDLXE network interface enables full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. The IP-based Auto Probe feature ensures continuous network uptime by communicating with other network devices, detecting lost connectivity and automatically rebooting IT equipment. Optional EnviroSense2 modules (E2MT, E2MTDO and E2MTHDI, all sold separately) provide a variety of environmental monitoring and control options.

NEMA 5-15R Outlets Protect Your Connected Components

Eight managed 5-15R outlets provide connected equipment with pure sine wave AC output and allow you to monitor power consumption down to the outlet group level. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise. Four outlets are grouped into two programmable load banks that let you shed non-critical loads to extend runtime for critical loads. Front and rear cooling fans help protect equipment from overheating.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions

AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts. The SMART750RML2UN maintains regulated 120V nominal output during

Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- Maintains continuous 120V nominal output during brownouts and overvoltages
- Pre-installed WEBCARDLX network interface supports Auto Probe feature
- Easy-to-read LCD allows real-time monitoring of voltage, battery status and other data

Applications

- Protect your small network server and other network components against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs and other equipment without data loss during long-term power outages
- Connect high-end security systems, casino gaming machines or digital signage in a small network

Package Includes

- Tripp Lite series SmartPro SMART750RML2UN 120V 750VA 750W Line-Interactive UPS with 8 Outlets
- WEBCARDLXE network management card
- USB cable
- DB9 cable
- Rack-mounting kit
- Tower stand support kit
- Safety Card
- Advanced Owner's Manual

brownouts and overvoltages from 80V to 151V while keeping the battery fully charged and ready to take over in case of power failure.

Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better

This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

ENERGY STAR-Certified to Help You Save Money and Protect the Environment

By meeting strict U.S. Department of Energy and U.S. Environmental Protection Agency requirements, this ENERGY STAR 2.0 UPS system provides high operational efficiency to signal a reduction in BTU emissions, save on utility and cooling costs and help protect the environment.

Intuitive Front-Panel Interface for Convenient UPS Operation and Monitoring

The two-line front-panel LCD monitoring screen features 10 selectable screens that allow quick access to a wide range of detailed UPS and site power information. LEDs show UPS status: a green light means utility power is on, an orange light means the UPS is in battery mode and a red light indicates an active alarm or fault. The control panel rotates to accommodate both rack-mount and tower configurations.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and USB ports connect to a device for a variety of communication options (cables are included). A dry-contact relay port can be programmed through the LCD to provide reliable communications to automation and industrial components. The RPO/ROO port permits emergency shutdown or remote restart of all connected equipment.

Versatile Installation Options

You can mount the SMART750RML2UN in just 2U of space in an EIA-standard 19-inch rack using the included hardware. You can also adapt it for tower installation using the included support stands. The 6-foot power cord with NEMA 5-15P plug connects to a compatible AC outlet.

Specifications

| OVERVIEW | |
|------------------------------------|------------------|
| UPC Code | 037332256409 |
| 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 |
| UPS Input Cord Length (ft.) | 6 |
| UPS Input Cord Length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |
| OUTPUT | |
| Output Capacity (VA) | 750 |
| Output Capacity (kVA) | 0.75 |

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| Output Capacity (Watts) | 750 |
| Output Capacity (kW) | 0.75 |
| Power Factor | 1 |
| Nominal Voltage Details | 120v nominal output in battery mode |
| Frequency Compatibility | 50 / 60 Hz |
| Output Voltage Regulation (Line Mode) | -10% ,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 | 100V; 110V; 120V; 125V |
| Output Receptacles | (8) 5-15R |
| Individually Controllable Load Banks | Yes |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 9 min. (750W) |
| Runtime Half Load (min.) | 23 min. (375W) |
| Expandable Runtime | Yes |
| External Battery Pack Compatibility | BP48VRM2U (limit 4) |
| 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 | 744-A3296 |
| 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 80 to 151 |
| USER INTERFACE, ALERTS & CONTROLS | |
| Front Panel LCD Display | Front panel rotatable LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, frequency, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options) |
| Switches | 5 pushbutton switches control OFF / ON power status, ENTER, UP, and DOWN selection and ESC control functions. LX Platform Interface: Recessed reset switch for interface reboot and factory reset |

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| Alarm Cancel Operation | Press the ESC (Escape) button on the front panel display to silence the alarm. Check the alarm condition and perform the applicable action to resolve the condition. If the alarm status changes, the alarm beeps again, overriding the previous alarm silencing. |
| Audible Alarm | Press the ESC (Escape) button on the front panel display to silence the alarm. Check the alarm condition and perform the applicable action to resolve the condition. If the alarm status changes, the alarm beeps again, overriding the previous alarm silencing. |
| LED Indicators | UPS Mode On (Solid Green); Battery Mode (Solid Orange)/ Battery Below Warning Level (Flashing Orange); Fault/Alarm (Solid Red). Network Link/Activity (Green): Flashes for network activity. Network Speed (Yellow): 10 Mbps (Flashing), 100 Mbps (On steady). LX Platform Interface Status: Normal Operation (Solid Green); Software Update (Alternating Green/Orange ~1/sec); Factory Reset (Alternating Green/Orange ~2/sec). |
| SURGE / NOISE SUPPRESSION | |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Primary Form Factor | Rackmount; Tower |
| Rack Height | 2U |
| Cooling Method | Fan |
| Included Mounting Accessory Description | Included mounting bracket enables installation in 4 post racks. Two ABS mounting stands enables the UPS to be configured in an upright tower orientation. |
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount; Tower |
| 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) | 50.80 |
| Minimum Required Rack Depth (inches) | 20 |
| Optional Mounting Accessory Notes | Optional 2POSTRMKITWM ; enables wall-mount installation; 4POSTRAILKITWM ; enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm) |
| Primary UPS Depth (mm) | 447 |
| Primary UPS Height (mm) | 86 |
| Primary UPS Width (mm) | 437 |
| Shipping Dimensions (hwd / in.) | 9.45 x 19.61 x 23.03 |
| Shipping Weight (kg) | 25.20 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, in.) | 3.4 x 17.2 x 17.6 |
| UPS Power Module Weight (kg) | 20.18 |

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| UPS Power Module Weight (lbs.) | 44.5 |
| Unit Dimensions (hwd / in.) | 3.400 x 17.200 x 17.600 |
| Unit Weight (lbs.) | 44.500 |
| Unit Weight (kg) | 20.18 |
| 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 | 20 to 95%, non-condensing |
| AC Mode Efficiency Rating (100% Load) | 96% |
| Audible Noise | 40 dBA maximum, front side 1m |
| COMMUNICATIONS | |
| Network Management Cards | WEBCARDLXE </td> |
| Network Monitoring Port Description | Pre-installed WEBCARDLXE network management card; Supports detailed monitoring of UPS and site power conditions |
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert Office software at https://triplite.eaton.com/products/power-alert |
| Communications Cable | USB, Micro-USB, and DB9 cabling included |
| Network Management Card Description | Network management card included |
| Communications Interface | Contact closure; DB9 Serial; EPO (emergency power off); Micro-USB; Pre-installed network card; USB (HID enabled); USB-A |
| Emergency Power Off (EPO)/Remote On-Off (ROO) | Yes |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 1-4ms for normal mode, >5ms for sensitive mode |
| Low Voltage Transfer to Battery Power (Setpoint) | 80 |
| High Voltage Transfer to Battery Power (Setpoint) | 151 |
| 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 (included); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection |
| Grounding Details | Back panel grounding lug |
| APPLICATIONS | |

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| UPS Applications | Large Network; High-End Desktop/Small Network |
| STANDARDS & COMPLIANCE | |
| Product Certifications | CSA (Canada); CAN/CSA-C22.2 No. 107.3 (Canada); NOM (Mexico); UL 1778 |
| Product Compliance | CE (Europe); ENERGY STAR Qualified; FCC Part 15 Class A (USA); RoHS |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |