

SmartPro 120V 750VA 600W Line-Interactive Sine Wave UPS, 1U Rackmount, Pre-installed WEBCARDLX Network Interface, USB, DB9 Serial

MODEL NUMBER: **SMART750RM1UN**



Description

Tripp Lite SMART750RM1U 750VA / .75kVA / 600 watt line interactive, sine wave UPS system offers complete power protection for critical network applications in a highly efficient 1U total rack/tower configuration. Network management interfaces support communications via USB port, DB9 serial port and pre-installed WEBCARDLX network management interface card. The Java-free HTML5-based WEBCARDLX interface enables full remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network. Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities. Protocols supported include HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP. Line interactive voltage regulation, network-grade surge suppression and long-lasting sine wave AC output during blackouts make this UPS ideal for advanced networking applications in datacenters, computer rooms and network closets.

Features

- Tripp Lite SMART750RM1U .75kVA / 750VA / 600 watt line interactive UPS
- 1U rack/tower compatible form factor
- Included mounting brackets support 2 and 4 post rackmount installation; Optional 4POSTRAILKIT1U is available for additional support
- NEMA 5-15P input; 6 5-15R output receptacles
- Installed depth of only 16.75 in. / 42.5cm
- Sine wave output in both AC and battery backup modes
- Line Interactive UPS provides Automatic Voltage Regulation / AVR to maintain 120V nominal output during brownouts to 83V and overvoltages to 147V without using battery power

Highlights

- .75kVA / 750VA / 600W line interactive 1U rackmount UPS, Sine wave output
- 120V output, Corrects brownouts and overvoltages from 83V to 147V
- 0.8 Power Factor, Front panel status LEDs
- Mounting brackets support 2 and 4 post installation
- 98% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and Pre-installed WEBCARDLX Network Interface
- 120V NEMA 5-15P input, 6 NEMA 5-15R outlets
- To enable the Auto Probe feature, this product requires LX firmware update 15.5.2 or later to be installed

Package Includes

- SMART750RM1U with Pre-installed WEBCARDLX network interface
- Mounting hardware
- USB, DB9 and EPO Cabling
- Instruction manual



- Full load efficiency rating of 98% saves energy and ensures cool operating temperatures
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- Network interfaces support communications via built-in USB, DB9 serial / contact-closure and pre-installed WEBCARDLX network management card
- WEBCARDLX interface allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, Telnet, SSH or Command Line
- Reduce Service Calls with Auto Probe Autonomous Device Management. The Auto Probe feature (Firmware 15.5.2 and greater) checks the connectivity status of any networked device and automatically takes one or more user-configured actions if the device fails to respond; actions include outlet reboot, set SNMP traps, SNMP OID sets, and even script execution when used in conjunction with the Tripp Lite PowerAlert Network Shutdown Agent (PANSAs)
- Optional E2 sensors enable site monitoring of temperature, humidity and contact-closure status
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Intelligent battery management system extends battery life
- 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
- Field replaceable, hot-swappable internal UPS batteries

Specifications

| OVERVIEW | |
|------------------------------------|------------------|
| UPC Code | 037332190734 |
| UPS Type | Line-Interactive |
| INPUT | |
| Rated input current (Maximum Load) | 7A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 15A |
| Recommended Electrical Service | 15A 120V |
| Input Phase | Single-Phase |
| Input Cord Length (ft.) | 10 |
| Input Cord Length (m) | 3.05 |



| OUTPUT | |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Volt Amp Capacity (VA) | 750 |
| Output Watt Capacity (Watts) | 600 |
| Power Factor | 0.8 |
| Nominal Voltage Details | 120v nominal output in battery mode |
| Frequency Compatibility | 60 Hz |
| Output Voltage Regulation (Line Mode) | -21%, +8% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Load Management Receptacles | Two switchable single-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 | (6) 5-15R |
| Individually Controllable Load Banks | Yes |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Full Load Runtime (min.) | 4.9 min. (600w) |
| Half Load Runtime (min.) | 13.2 min. (300w) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batteries) | 3.6 hours maximum from 10% to 90% (typical, full load discharge) |
| Battery Access | Front panel battery access door |
| Internal UPS Replacement Battery Cartridge | RBC64-1U |
| 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 147 |
| Overvoltage Correction | Input voltages between 128 and 147 are reduced by 12% |
| Undervoltage Correction | Input voltages between 83 and 107 are boosted by 14% |
| USER INTERFACE, ALERTS & CONTROLS | |



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| Switches | 2 Switches control off/on power status and alarm-cancel/self-test operation. LX Platform Interface: Recessed reset switch for interface reboot and factory reset |
| Alarm Cancel Operation | Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status |
| Audible Alarm | Audible alarm indicates power-failure, overload and low-battery conditions |
| LED Indicators | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status. 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 | |
| UPS AC Suppression Joule Rating | 450 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Cooling Method | Fan |
| Included Mounting Accessory Description | Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKIT1U & 4POSTRAILKITWM |
| Installation Form Factors Supported with Included Accessories | 2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount; Tower |
| Installation Form Factors Supported with Optional Accessories | 4 post rackmount full-depth (4POSTRAILKIT1U); 4 post rackmount short-depth (4POSTRAILKITWM); 4 post rackmount adjustable (4POSTRAILKIT1U); 4 post wall-mount (4POSTRAILKITWM) |
| Minimum Required Rack Depth (cm) | 50.16 |
| Minimum Required Rack Depth (inches) | 19.75 |
| Optional Mounting Accessory Notes | Optional 4POSTRAILKITWM enables installation in 4-port short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional 4POSTRAILKIT1U enables installation in 4-post full-depth racks from 20.5 to 36 inches (521 to 914mm) |
| Primary Form Factor | Rackmount |
| Primary UPS Depth (mm) | 425 |
| Primary UPS Height (mm) | 44 |
| Primary UPS Width (mm) | 445 |
| Rack Height | 1U |
| Shipping Dimensions (hwd / cm) | 13.46 x 53.85 x 56.90 |
| Shipping Dimensions (hwd / in.) | 5.30 x 21.20 x 22.40 |
| Shipping Weight (kg) | 15.56 |
| Shipping Weight (lbs.) | 34.30 |
| UPS Housing Material | Steel |



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| UPS Power Module Dimensions (hwd, cm) | 4.44 x 44.45 x 42.54 |
| UPS Power Module Dimensions (hwd, in.) | 1.75 x 17.5 x 16.75 |
| UPS Power Module Weight (kg) | 13.61 |
| UPS Power Module Weight (lbs.) | 30 |
| 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) | 38 |
| Battery Mode BTU / Hr. (Full Load) | 545 |
| AC Mode Efficiency Rating (100% Load) | 98% |
| Audible Noise | 45 dBA maximum, front side 1m |
| COMMUNICATIONS | |
| Network Monitoring Port Description | Includes pre-installed WEBCARDLX Network Management Card |
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://www.tripplite.com/poweralert |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| EPO Port | RJ11 interface jack with 4-meter cable included. Supports normally open and normally closed EPO systems |
| SNMP Compatibility | SNMP V1, V2c, V3 |
| Network UPS Tools Compatibility | NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite |
| Network Speed | 10/100 Mbps |
| Communications Interface | DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 5 milliseconds AC to DC; 1 millisecond DC to AC |
| Low Voltage Transfer to Battery Power (Setpoint) | 83 |
| High Voltage Transfer to Battery Power (Setpoint) | 147 |
| 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 | Auto Probe Monitoring and Reboot (included); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection |
| STANDARDS & COMPLIANCE | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI) |
| WARRANTY | |
| 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 |

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<https://www.tripplite.com/products/product-certification-agencies>