

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

MODEL NUMBER: **SMART750RM1UN**



### Description

SMART750RM1U 750VA/.75kVA/600W line-interactive sine wave UPS system offers complete power protection for critical network applications in a highly efficient 1U total rack/vertical 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 data centers, computer rooms and network closets.

### Features

- SMART750RM1U .75kVA / 750VA / 600 watt line interactive UPS
- 1U rack/vertical compatible form factor
- Included mounting brackets support 2 and 4-post rack-mount 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
- 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

### Highlights

- .75kVA / 750VA / 600W line interactive 1U rack/vertical 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



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(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 PowerAlert Network Shutdown Agent (PANSA)

- 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 macOS
- 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                                 |                                     |
| Input Phase                           | Single-Phase                        |
| 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                            |
| Maximum Input Amps                    | 7                                   |
| Input Cord Length (ft.)               | 10                                  |
| Input Cord Length (m)                 | 3.05                                |
| OUTPUT                                |                                     |
| Output Capacity (VA)                  | 750                                 |
| Output Capacity (kVA)                 | 0.75                                |
| Output Capacity (Watts)               | 600                                 |
| Output Capacity (kW)                  | 0.6                                 |
| Power Factor                          | 0.8                                 |
| Nominal Voltage Details               | 120v nominal output in battery mode |
| Frequency Compatibility               | 60 Hz                               |
| Output Voltage Regulation (Line Mode) | -21%, +8%                           |



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|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>BATTERY</b>                               |                                                                                                                                                                                                                                                                                                                                                                                                          |
| Battery Type                                 | Valve Regulated Lead Acid (VRLA)                                                                                                                                                                                                                                                                                                                                                                         |
| Runtime Full Load (min.)                     | 4.9 min. (600W)                                                                                                                                                                                                                                                                                                                                                                                          |
| Runtime Half Load (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   | &nbsp;<a class="productLink" href="//tripplite.eaton.com/1U-UPS-Replacement-24VDC-Battery-Cartridge-1-Set-4-for-Select-Tripp-Lite-SmartPro-UPS~RBC64-1U">RBC64-1U</a>&nbsp;                                                                                                                                                                                                                              |
| Battery Replacement Description              | Hot-swappable, user replaceable batteries                                                                                                                                                                                                                                                                                                                                                                |
| <b>VOLTAGE REGULATION</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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%                                                                                                                                                                                                                                                                                                                                                     |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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). |
| <b>SURGE / NOISE SUPPRESSION</b>             |                                                                                                                                                                                                                                                                                                                                                                                                          |
| EMI / RFI AC Noise Suppression               | Yes                                                                                                                                                                                                                                                                                                                                                                                                      |
| AC Suppression Joule Rating                  | 450                                                                                                                                                                                                                                                                                                                                                                                                      |



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|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AC Suppression Response Time                                  | Instantaneous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>PHYSICAL</b>                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Primary Form Factor                                           | Rackmount; Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Rack Height                                                   | 1U                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cooling Method                                                | Fan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Installation Form Factors Supported with Included Accessories | 2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Installation Form Factors Supported with Optional Accessories | 4 post rackmount full-depth ( <a href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-4POSTRAILKIT1U">4POSTRAILKIT1U</a> ); 4 post rackmount short-depth ( <a href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks-4POSTRAILKITWM">4POSTRAILKITWM</a> ); Vertical Mount Enclosures ( <a href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Server-Depth-Wall-Mount-Rack-Enclosure-Cabinet-SRWF5U36">SRWF5U36</a> ); <a href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Switch-Depth-Wall-Mount-Rack-Enclosure-Cabinet-SRWF5U">SRWF5U</a> ; <a href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Switch-Depth-Wall-Mount-Structured-Wiring-Enclosure-Adjustable-Equipment-Brackets-SRWF10UMOD">SRWF10UMOD</a> ; |
| Minimum Required Rack Depth (cm)                              | 50.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Minimum Required Rack Depth (inches)                          | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Optional Mounting Accessory Notes                             | Optional <a href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks-4POSTRAILKITWM">4POSTRAILKITWM</a> ; enables installation in 4-port short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional <a href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-4POSTRAILKIT1U">4POSTRAILKIT1U</a> ; enables installation in 4-post full-depth racks from 20.5 to 36 inches (521 to 914mm)                                                                                                                                                                                                                                                                                                                                                                           |
| Primary UPS Depth (mm)                                        | 425                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Primary UPS Height (mm)                                       | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Primary UPS Width (mm)                                        | 445                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Shipping Dimensions (hwd / in.)                               | 5.30 x 21.20 x 22.40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shipping Dimensions (hwd / cm)                                | 13.46 x 53.85 x 56.90                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Shipping Weight (lbs.)                                        | 34.30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Shipping Weight (kg)                                          | 15.56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| UPS Housing Material                                          | Steel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Unit Weight (lbs.)                                            | 30.0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Unit Weight (kg)                                              | 13.61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Mounting Details                                              | 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 <a href="#">4POSTRAILKIT1U</a> & <a href="#">4POSTRAILKITWM</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ENVIRONMENTAL</b>                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



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|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature Range                                 | 32° to 104°F (0° to 40°C)                                                                                                                                                                                                             |
| Storage Temperature Range                                   | 5° to 122°F (-15° to 50°C)                                                                                                                                                                                                            |
| Relative Humidity                                           | 0-95% non-condensing                                                                                                                                                                                                                  |
| AC Mode BTU / Hr. (Full Load)                               | 38                                                                                                                                                                                                                                    |
| AC Mode Efficiency Rating (100% Load)                       | 98%                                                                                                                                                                                                                                   |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load          | 545                                                                                                                                                                                                                                   |
| Audible Noise                                               | 45 dBA maximum, front side 1m                                                                                                                                                                                                         |
| <b>COMMUNICATIONS</b>                                       |                                                                                                                                                                                                                                       |
| Network Management Cards                                    | &nbsp;<a class="productLink" href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems~WEBCARDLXE">WEBCARDLXE</a>&nbsp;                                                                                            |
| 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 software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>                      |
| 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 (NUT) Compatibility                       | NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at <a href="https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite">https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite</a> |
| Network Compatibility                                       | 100 Mbps (Fast Ethernet)                                                                                                                                                                                                              |
| Network Management Card Description                         | Network management card included                                                                                                                                                                                                      |
| Communications Interface                                    | DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB                                                                                                                                   |
| <b>LINE / BATTERY TRANSFER</b>                              |                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                   |
| <b>FEATURES &amp; SPECIFICATIONS</b>                        |                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                              |
| <b>APPLICATIONS</b>                                         |                                                                                                                                                                                                                                       |
| UPS Applications                                            | Large Network; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality                                                                                                                                                      |



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| STANDARDS & COMPLIANCE                                     |                                                                                                                                                                          |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Certifications                                     | CSA (Canada); NOM (Mexico); UL 1778                                                                                                                                      |
| Product Compliance                                         | RoHS; FCC Part 15 Class A (USA)                                                                                                                                          |
| WARRANTY & SUPPORT                                         |                                                                                                                                                                          |
| Product Warranty Period (Worldwide)                        | 2-year warranty, 3 year with registration. Note: <a href="//tripplite.eaton.com/support/product-warranty-registration">Registration is required</a> for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 <a href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>                                                                       |

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