

SMART750RM1U is not for sale in Colorado, Vermont and Washington state. Customers in these states should purchase the recommended ENERGY STAR® 2.0 model instead: SMART500RT1U. Learn more about [ENERGY STAR 2.0](#) and [sales restrictions](#) in these states.

## SmartPro 120V 750VA 600W Line-Interactive Sine Wave UPS, 1U Rackmount, Network Management Card Options, USB, DB9 Serial

MODEL NUMBER: **SMART750RM1U**



### 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. Simultaneous-use network management interfaces include USB, RS-232 and slot for optional Network Management Card options. 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
- 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
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)

### 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 slot for Network Management Card options
- 120V NEMA 5-15P input, 6 NEMA 5-15R outlets
- 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

- SMART750RM1U UPS System
- Mounting hardware
- USB, DB9 and EPO Cabling
- Instruction manual



- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- 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                                 | 037332118813                                  |
| 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   |
| <b>BATTERY</b>                               |   |
| 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)   | Less than 4 hours 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="//www.tripplite.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   |
| 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  |
| <b>SURGE / NOISE SUPPRESSION</b>             |   |
| UPS AC Suppression Joule Rating              | 450   |
| UPS AC Suppression Response Time             | Instantaneous   |
| EMI / RFI AC Noise Suppression               | Yes   |
| <b>PHYSICAL</b>                              |   |
| Primary Form Factor                          | Rackmount   |
| 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 ( <a href="http://www.tripplite.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-4POSTRAILKIT1U">4POSTRAILKIT1U</a> ); 4 post rackmount short-depth ( <a href="http://www.tripplite.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks-4POSTRAILKITWM">4POSTRAILKITWM</a> )   |
| Minimum Required Rack Depth (cm)                              | 50.16  |
| Minimum Required Rack Depth (inches)                          | 19.75  |
| Optional Mounting Accessory Notes                             | Optional <a href="http://www.tripplite.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="http://www.tripplite.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  |
| Rack Height   | 1U   |
| Shipping Dimensions (hwd / cm)                                | 13.21 x 58.67 x 52.58  |
| Shipping Dimensions (hwd / in.)                               | 5.20 x 23.10 x 20.70   |
| Shipping Weight (kg)  | 15.47  |
| Shipping Weight (lbs.)  | 34.10  |
| 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   |
| <b>ENVIRONMENTAL</b>  |  |
| 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  |



| <b>COMMUNICATIONS</b>                                       |   |
|---|---|
| Network Management Cards                                    | <a href="http://www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD">SNMPWEBCARD</a> & <a href="http://www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a> & <a href="http://www.tripplite.com/Web-Management-Accessory-Card~WEBCARDLX">WEBCARDLX</a> |
| 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 Local software at <a href="https://www.tripplite.com/poweralert">https://www.tripplite.com/poweralert</a>  |
| Communications Cable  | USB and DB9 cabling included  |
| WatchDog Compatibility                                      | Supports Watchdog application, OS and hard-reboot restart options for remote applications   |
| Network Management Card Description                         | Network management card optional  |
| Communications Interface                                    | DB9 Serial; EPO (emergency power off); 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>                        |   |
| Grounding Lug   | Back panel grounding lug  |
| 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; Sine wave output; Surge/noise protection   |
| <b>STANDARDS &amp; COMPLIANCE</b>                           |   |
| UPS Certifications  | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)  |
| <b>WARRANTY</b>   |   |
| Product Warranty Period (Worldwide)                         | 2-year warranty, 3 year with registration. Note: <a href="http://www.tripplite.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="http://www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>   |

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