SmartPro 120V 750VA 600W Line-Interactive Sine Wave UPS, 1U Rack/Vertical, 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/vertical 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/vertical 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 <u>tripplite.eaton.com/products/power-alert</u>
- $\bullet\,$ 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

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 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



- 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		
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	
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%	
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)	
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)	Less than 4 hours from 10% to 90% (typical, full load discharge)	
Battery Access	Front panel battery access door	
Internal UPS Replacement Battery Cartridge	<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	
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 & CON	TROLS	
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	
SURGE / NOISE SUPPRESSION		
UPS AC Suppression Joule Rating	450	
UPS AC Suppression Response Time	Instantaneous	
EMI / RFI AC Noise Suppression	Yes	
PHYSICAL		
Primary Form Factor	Rackmount; Vertical	
Rack Height	1U	
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
Installation Form Factors Supported with Optional Accessories	4 post rackmount full-depth (<a class="productLink" href="//tripplite.eaton.com/4-Post-1U-Universal-
Adjustable-Rack-Mount-Shelf-Kit-4POSTRAILKIT1U">4POSTRAILKIT1U &htepth (<a class="productLink" href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-
Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM &htepth (<a class="productLink" href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-
Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM &htepts); Vertical Mount Enclosures (<a class="productLink" href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Server-Depth-
Wall-Mount-Rack-Enclosure-Cabinet~SRWF5U36">SRWF5U36 &htepts//sa class="productLink" href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Server-Depth- Wall-Mount-Rack-Enclosure-Cabinet~SRWF5U36">SRWF5U36&htepts//sa class="productLink" href="//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Server-Depth- Wall-Mount-Rack-Enclosure-Cabinet~SRWF5U36">SRWF5U36&htepts//tripplite.eaton.com/SmartRack-5U-Low-Profile-Vertical-Mount-Server-Depth- Wall-Mount-Rack-Enclosure-Cabinet~SRWF5U36">SRWF5U36
Minimum Required Rack Depth (cm)	50.80
Minimum Required Rack Depth (inches)	20
Optional Mounting Accessory Notes	Optional <a class="productLink" href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-
Shelf-Kit-for-Wall-Mount-Racks-4POSTRAILKITWM">4POSTRAILKITWM enables installation in 4-port short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional <a <br="" class="productLink">href="//tripplite.eaton.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf- Kit~4POSTRAILKIT1U">4POSTRAILKIT1U 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.)	5.20 x 23.10 x 20.70
Shipping Dimensions (hwd / cm)	13.21 x 58.67 x 52.58
Shipping Weight (lbs.)	34.10
Shipping Weight (kg)	15.47
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
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)	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 Management Cards	SNMPWEBCARD; <a class="productLink" href="//tripplite.eaton.com/Web-Management-Accessory-Card-
SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD ; <a <br="" class="productLink">href="//tripplite.eaton.com/Web-Management-Accessory-Card~WEBCARDLX">WEBCARDLX
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 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 Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); 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
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
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality
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 <br="" class="insuranceLink">href="//tripplite.eaton.com/support/product-warranty-registration">Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance



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