Tripp Lite
1111 W. 35th Street
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SmartPro 120V 750VA 600W Line-Interactive Sine Wave UPS, 1U Rackmount, Network Management Card Options, USB, DB9 Serial

MODEL NUMBER: **SMART750RM1U**

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

Package Includes

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

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
- 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

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- Front panel switches support self-test and alarm cancel functions
- Field replaceable, hot-swappable internal UPS batteries

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	750
Output Watt Capacity (Watts)	600
Power Factor	0.8
Nominal Output Voltage(s) Supported	110V; 115V; 120V
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%
Output Receptacles	(6) 5-15R
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
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 Cord Length (ft.)	10
Input Cord Length (m)	3.05
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	4.9 min. (600w)
Half Load Runtime (min.)	13.2 min. (300w)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90% (typical, full load discharge)

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Internal UPS Replacement Battery Cartridge	RBC64-1U
Battery Access	Front panel battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	No
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	
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	
Included Mounting Accessory Description	Included mounting brackets support 2 and 4 post rackmount installation; Optional 4POSTRAILKIT1U is available for additional support in 4 post rackmount applications
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	1.75 x 17.5 x 16.75
UPS Power Module Dimensions (hwd, cm)	4.44 x 44.45 x 42.54
Rack Height (U Spaces)	1
Minimum Required Rack Depth (inches)	19.8
Minimum Required Rack Depth (cm)	50.29
UPS Power Module Weight (lbs.)	30
UPS Power Module Weight (kg)	13.61
UPS Shipping Dimensions (hwd / in.)	6.2 x 23.5 x 22.5

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UPS Shipping Dimensions (hwd / cm)	15.75 x 59.69 x 57.15
Shipping Weight (lbs.)	34
Shipping Weight (kg)	15.4
Cooling Method	Fan
UPS Housing Material	Steel
Minimum Required Rack Depth (mm)	503
Primary UPS Height (mm)	44
Primary UPS Width (mm)	444
Primary UPS Depth (mm)	425
Shipping Height (mm)	157
Shipping Width (mm)	597
Shipping Depth (mm)	572
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%
COMMUNICATIONS	
Communications Interface	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Management Cards	SNMPWEBCARD; TLNETCARD; 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 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
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

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SPECIAL FEATURES	
Grounding Lug	Back panel grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
CERTIFICATIONS	
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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