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

MODEL NUMBER: **SMART750RM1UN**







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

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

(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%

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)	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	
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	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	450

AC Suppression Response Time	Instantaneous
PHYSICAL	
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 (4POSTRAILKIT1U); 4 post rackmount short-depth (4POSTRAILKITWM); Vertical Mount Enclosures (SRWF5U36 , SRWF5U , SRWF10UMOD)
Minimum Required Rack Depth (cm)	50.80
Minimum Required Rack Depth (inches)	20
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 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 4POSTRAILKIT1U & 4POSTRAILKITWM
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
AC Mode Efficiency Rating (100% Load)	98%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	545
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	WEBCARDLXE
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 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
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 https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite
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
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 (included); 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: Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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