

SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS, 1U Rack, Network Card Options, USB, DB9, 6 Outlets

MODEL NUMBER: **SMART1000RM1U**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for data centers, VoIP systems and network closets.

Description

The SMART1000RM1U SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up data centers, VoIP systems and network closets, the SMART1000RM1U switches to 1kVA/800W battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.

Two of the six NEMA 5-15R outlets may be switched off remotely to reboot equipment or shed nonessential loads to maximize battery backup time for mission-critical equipment. The internal battery provides 14 minutes of support at half load (400W) and four minutes at full load (800W). Operating with a high 99% line mode efficiency, SMART1000RM1U saves you money and operating costs.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 83V to 147V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 450-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's PowerAlert® software (available via free download), SMART1000RM1U enables safe unattended system shutdown and file saves in case of a prolonged power failure.

Features

Protects Mission-Critical Rack-Mounted Equipment Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardware Audible alarm signals loss of utility power, overload and low battery 6 NEMA 5-15R outlets 10 ft. power cord with 120V NEMA 5-15P input 450-joule surge suppression rating

Reliable Battery Backup Supports half load up to 14 min. and full load up to 4 min. Internal batteries designed for hot-swap field replacement

Switchable Outlets 2 load banks, each with one outlet individually controllable via software interface to reboot equipment or shed nonessential loads

Automatic Voltage Regulation (AVR) Maintains 120V nominal output over input range of 83V–147V without using battery power

EMI/RFI Line Noise Filtering Removes electromagnetic and radio frequency interference that can disrupt

Highlights

- Corrects under- and overvoltages from 83V to 147V
- 6 NEMA 5-15R outlets—2 switchable via network interface
- Network power management and control capability
- High 99% efficiency rating saves energy
- 14 min. runtime at half load; 4 min. at full load
- 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

- SMART1000RM1U SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual



or damage equipment's performance

High Efficiency Operation 99% line mode efficiency saves money, energy and protects the environment

LED Indicators Front-panel LEDs signal power, voltage correction, load level and battery charge state

Network Management Cards Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD

Communications Ports USB and DB9 ports combine with PowerAlert software (available via free download from www.tripplite.com/poweralert) to monitor operating conditions, monitor AC power, and enable safe unattended system shutdown and file saves in case of a prolonged power failure EPO port supports emergency shutdown in large facilities

Versatile Installation Options Hardware included for mounting in 1U of EIA-standard 19 in. 2- or 4-post rack Optional 4POSTRAILKIT1U accessory available for extra support in 4-post installations

Specifications

OVERVIEW	
UPC Code	037332118820
OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA Capacity (kVA)	1
Output Watt Capacity (Watts)	800
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
Individually Controllable Load Banks	Yes
INPUT	
Rated input current (Maximum Load)	9A
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 min. (800w)
Half Load Runtime (min.)	14 min. (400w)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	4.5 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	 RBC69-1U </td>
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
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 4 post 19 inch rackmount
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 Optional Accessories	4 post rackmount full-depth (4POSTRAILKIT1U); 4 post rackmount short-depth (4POSTRAILKITWM)



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 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	1U
Minimum Required Rack Depth (inches)	19.75
Minimum Required Rack Depth (cm)	50.16
UPS Power Module Weight (lbs.)	32
UPS Power Module Weight (kg)	14.51
Shipping Dimensions (hwd / in.)	5.30 x 21.30 x 22.90
Shipping Dimensions (hwd / cm)	13.46 x 54.10 x 58.17
Shipping Weight (lbs.)	35.00
Shipping Weight (kg)	15.88
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	44
Primary UPS Width (mm)	445
Primary UPS Depth (mm)	425
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)	39
AC Mode Efficiency Rating (100% Load)	99%
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 communications 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
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
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
CERTIFICATIONS	
UPS Certifications	Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)
UPS Certification Details	UL 1778: 2014 R8.15 (5TH Edition); CAN/CSA-C22.2 NO. 107.3-14
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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