SmartPro® 120V 1kVA 800W Line-Interactive Sine Wave UPS, 1U Rack, Pre-Installed SNMP Card, USB, DB9, 6 Outlets

MODEL NUMBER: **SMART1000RM1UN**

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
- SNMPWEBCARD comes pre-installed
- 14 min. runtime at half load; 4 min. at full load

Package Includes

- SMART1000RM1UN SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS
- SNMPWEBCARD web management card
- USB cable
- DB9 cable
- EPO cable
- PowerAlert software
- Mounting hardware
- Owner's manual

Description

The SMART1000RM1UN 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 SMART1000RM1UN 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). The Tripp Lite SNMPWEBCARD accessory card comes pre-installed to permit remote management of the UPS, including reboots, configuration, updates and activity logs.

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 included PowerAlert® software, the SMART1000RM1UN enables safe unattended system shutdown and file saves in case of a prolonged power failure. Front-panel LEDs monitor power, voltage correction, load level and battery charge state.

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

Included SNMP/Web Capability
- Pre-installed Tripp Lite SNMPWEBCARD permits remote management of UPS, including reboots, configuration, updates and activity logs

Switchable Outlets
- 2 load banks, each with one outlet controllable remotely 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 or damage equipment's performance

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

Communications Ports
- USB and DB9 ports combine with included PowerAlert software 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

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

INPUT	
Rated input current (Maximum Load)	9.2A
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
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)	Less than 4 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	RBC69-1U
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 joules
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous

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)	4.4 x 44.4 x 42.5
Rack Height (U Spaces)	1
Minimum Required Rack Depth (inches)	19.8
Minimum Required Rack Depth (cm)	50.2
UPS Power Module Weight (lbs.)	32
UPS Power Module Weight (kg)	14.5
UPS Shipping Dimensions (hwd / in.)	6.2 x 23.5 x 22.5
UPS Shipping Dimensions (hwd / cm)	15.9 x 59.7 x 57.2
Shipping Weight (lbs.)	36
Shipping Weight (kg)	16.3
Cooling Method	Fan
UPS Housing Material	Steel

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)	138.9
Battery Mode BTU / Hr. (Full Load)	477.7
AC Mode Efficiency Rating (100% Load)	99%

COMMUNICATIONS	
Communications Interface	DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB

Network Monitoring Port Description	Includes PRE-INSTALLED SNMPWEBCARD. Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Included
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)

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