TAA SmartPro® 120V 1kVA 800W Line-Interactive Sine Wave UPS, 2U Rack/Tower, Network Card Options, LCD, USB, 6 Outlets

MODEL NUMBER: **SM1000RM2UTAA**

Description

The SM1000RM2UTAA 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 servers and network storage devices, the SM1000RM2UTAA 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.

Four 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 15 minutes of support at half load(400W) and 5.3 minutes at full load(800W).

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 570-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's included PowerAlert® software, the SM1000RM2UTAA enables safe unattended system shutdown and file saves in case of a prolonged power failure. Adding an optional network management card, such as Tripp Lite's SNMPWEBCARD, permits remote management and status alerts.

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, low battery and fault conditions
- 6 NEMA 5-15R outlets
- 10 ft. power cord with 120V NEMA 5-15P input
- 570-joule surge suppression rating

Reliable Battery Backup

- Supports half load up to 15 min. and full load up to 5.3 min.
- Internal batteries designed for hot-swap field replacement

- 95% line-power efficiency rating saves money in energy costs

Switchable Outlets

- 2 load banks, each with 2 outlets 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

Interactive LCD Screen

- Front-panel LCD monitors operating mode, load level, power factor, voltage, battery charge and estimated runtimes
- Rotates for easy viewing in rack-mount or tower configurations

SNMP/Web Capability

- Network management card options, such as Tripp Lite's SNMPWEBCARD, permit remote management and status alerts

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 4-post mounting in 2U of EIA-standard 19 in. rack
- Mounts on wall or 2-post rack with optional 2POSTRMKITWM accessory
- Mounts in upright tower position with optional 2-9USTAND accessory

TAA Compliant

- Complies with Federal Trade Agreements Act(TAA) for GSA Schedule purchases

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 two-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	10A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase

BATTERY

Full Load Runtime (min.)	5.3 min. (800w)
Half Load Runtime (min.)	15 min. (400w)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	See Tripp Lite UPS Battery Selector
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

Front Panel LCD Display	Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options)
Switches	3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Installation Form Factors Supported with Optional Accessories	2 post rackmount(2POSTRMKITWM); Wallmount(2POSTRMKITWM); Tower(2-9USTAND)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.45 x 17.35 x 12.5
UPS Power Module Dimensions (hwd, cm)	8.8 x 44.1 x 31.8
Rack Height (U Spaces)	2
Minimum Required Rack Depth (inches)	15.5
Minimum Required Rack Depth (cm)	39.4
UPS Power Module Weight (lbs.)	35.4
UPS Power Module Weight (kg)	16.1
UPS Shipping Dimensions (hwd / in.)	7.9 x 22.9 x 19.3
UPS Shipping Dimensions (hwd / cm)	20.1 x 58.2 x 49
Shipping Weight (lbs.)	46.4
Shipping Weight (kg)	21.1
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)	134
AC Mode Efficiency Rating (100% Load)	95%

COMMUNICATIONS

Communications Interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Monitoring Port Description	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
Network UPS Tools Compatibility	NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite

LINE / BATTERY TRANSFER

Transfer Time	2-4 milliseconds
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	Individually controllable load banks

CERTIFICATIONS

UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI); ROHS (Restriction of Hazardous Substances); TAA Compliant

WARRANTY

Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance