

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

MODEL NUMBER: SM1000RM2UTAA



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for servers, storage devices and telecom hardware.

### 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. (3.05 m) 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

### Highlights

- Corrects under- and overvoltages from 83V to 147V
- 6 NEMA 5-15R outlets—4 switchable via network interface
- Network power management and control capability
- Interactive LCD monitoring screen
- 15 min. runtime at half load; 5.3 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

- SM1000RM2UTAA SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual

- Rotates for easy viewing in rack-mount or tower configurations

#### Optional Network Management Cards

- Compatible with UPS management cards, including WEBCARDLX and SNMPWEBCARD

#### 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

OVERVIEW	
UPC Code	037332152718
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
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)	3.1
Recommended Electrical Service	15A 120V
OUTPUT	
Output Capacity (VA)	1000
Output Capacity (kVA)	1
Output Capacity (Watts)	800
Output Capacity (kW)	0.8
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 two-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
<b>BATTERY</b>	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	5.3 min. (800W)
Runtime Half Load (min.)	15 min. (400W)
Expandable Runtime	No
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90%
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	IMPORTANT BATTERY REPLACEMENT INFORMATION > If your SM1000RM2UTAA UPS is equipped with a LCD front-panel screen, order Tripp Lite <a href="http://tripplite.eaton.com/2U-UPS-Replacement-Battery-Cartridge-for-Select-Tripp-Lite-UPS~RBC24V-LCD">RBC24V-LCD</a> (quantity 1) replacement battery; If your SM1000RM2UTAA UPS is equipped with LED front-panel indicators, order Tripp Lite <a href="http://tripplite.eaton.com/2U-UPS-Replacement-24VDC-Battery-Cartridge-1-set-2-select-Tripp-Lite-SmartPro-UPS~RBC92-2U">RBC92-2U</a> (quantity 1) replacement battery
Battery Replacement Description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
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%
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
<b>PHYSICAL</b>	
Primary Form Factor	Rackmount
Rack Height	2U
Cooling Method	Fan
Included Mounting Accessory Description	Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount ( <a href="#">2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM</a> ); 2-4 post front rail rackmount ( <a href="#">Heavy-Duty-2-post-Front-Mounting-Ear-Kit-UPSHDEARKIT</a> ); 4 post rackmount short-depth ( <a href="#">4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM</a> ); Tower ( <a href="#">2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND</a> ); Wallmount ( <a href="#">2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM</a> )
Minimum Required Rack Depth (cm)	40.64
Minimum Required Rack Depth (inches)	16
Optional Mounting Accessory Notes	Optional <a href="#">2U-9U-Tower-Stand-Kit-select-Rack-Mount-UPS-Systems~2-9USTAND</a> ; enables upright tower UPS placement; <a href="#">2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM</a> ; enables wall-mount and 2-post rackmount installation; <a href="#">4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM</a> ; enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); <a href="#">Heavy-Duty-2-post-Front-Mounting-Ear-Kit-UPSHDEARKIT</a> ; enables installation in 2 or 4-post racks using front vertical rails only, without rear support
Primary UPS Depth (mm)	318
Primary UPS Height (mm)	88
Primary UPS Width (mm)	441
Shipping Dimensions (hwd / in.)	8.80 x 18.50 x 23.00
Shipping Dimensions (hwd / cm)	22.35 x 46.99 x 58.42
Shipping Weight (lbs.)	44.90
Shipping Weight (kg)	20.37
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.76 x 44.07 x 31.75

UPS Power Module Dimensions (hwd, in.)	3.45 x 17.35 x 12.5
UPS Power Module Weight (kg)	16.06
UPS Power Module Weight (lbs.)	35.4
Unit Weight (lbs.)	35.4000
Unit Weight (kg)	16.06
<b>ENVIRONMENTAL</b>	
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)	134
AC Mode Efficiency Rating (100% Load)	95%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	600
Audible Noise	45 dBA maximum, front side 1m
<b>COMMUNICATIONS</b>	
Network Management Cards	&nbsp;<a class="productLink" href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems-WEBCARDLXE">WEBCARDLXE</a>&nbsp;
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 software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network UPS Tools (NUT) Compatibility	NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at <a href="https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite">https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite</a>
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	147
<b>FEATURES &amp; SPECIFICATIONS</b>	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported

High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
Grounding Details	Back panel grounding lug
<b>APPLICATIONS</b>	
UPS Applications	Large Network; High-End Desktop/Small Network
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; FCC Part 15 Class B (USA); Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>