

## 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.

### 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. (3.05 m) 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 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](http://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

### 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

## Specifications

### OVERVIEW



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

UPC Code	037332118820
UPS Type	Line-Interactive
<b>INPUT</b>	
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 Phase	Single-Phase
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
<b>OUTPUT</b>	
Output Volt Amp Capacity (VA)	1000
Output kVA Capacity (kVA)	1
Output Watt Capacity (Watts)	800
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
<b>BATTERY</b>	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	4 min. (800w)
Half Load Runtime (min.)	14 min. (400w)
Expandable Runtime	No



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DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	4.5 hours from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	&nbsp;<a class="productLink" href="//www.tripplite.com/1U-UPS-Replacement-Battery-Cartridge-select-Tripp-Lite-SmartPro-UPS~RBC69-1U">RBC69-1U</a>&nbsp;
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>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	450
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
<b>PHYSICAL</b>	
Cooling Method	Fan
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 Included Accessories	2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount; Tower
Installation Form Factors Supported with Optional Accessories	4 post rackmount full-depth (&nbsp;<a class="productLink" href="//www.tripplite.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit~4POSTRAILKIT1U">4POSTRAILKIT1U</a>&nbsp;); 4 post rackmount short-depth (&nbsp;<a class="productLink" href="//www.tripplite.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM</a>&nbsp;);
Minimum Required Rack Depth (cm)	50.16
Minimum Required Rack Depth (inches)	19.75
Optional Mounting Accessory Notes	Optional &nbsp;<a class="productLink" href="//www.tripplite.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit-for-Wall-Mount-Racks~4POSTRAILKITWM">4POSTRAILKITWM</a>&nbsp; enables installation in 4-port short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional &nbsp;<a class="productLink" href="//www.tripplite.com/4-Post-1U-Universal-Adjustable-Rack-Mount-Shelf-Kit~4POSTRAILKIT1U">4POSTRAILKIT1U</a>&nbsp; enables installation in 4-post full-depth racks from 20.5 to 36 inches (521 to 914mm)



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Primary Form Factor	Rackmount
Primary UPS Depth (mm)	425
Primary UPS Height (mm)	44
Primary UPS Width (mm)	445
Rack Height	1U
Shipping Dimensions (hwd / cm)	13.46 x 54.10 x 58.17
Shipping Dimensions (hwd / in.)	5.30 x 21.30 x 22.90
Shipping Weight (kg)	15.88
Shipping Weight (lbs.)	35.00
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)	14.51
UPS Power Module Weight (lbs.)	32
<b>ENVIRONMENTAL</b>	
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%
Audible Noise	45 dBA maximum, front side 1m
<b>COMMUNICATIONS</b>	
Network Management Cards	&nbsp;<a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD">SNMPWEBCARD</a>&nbsp;&nbsp;&nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a>&nbsp;&nbsp;&nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card~WEBCARDLX">WEBCARDLX</a>&nbsp;&nbsp;&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 communications ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a>
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB
<b>LINE / BATTERY TRANSFER</b>	
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
<b>SPECIAL FEATURES</b>	
Grounding Lug	Back panel grounding lug
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; Sine wave output; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
<b>STANDARDS &amp; COMPLIANCE</b>	
UPS Certifications	Meets FCC Part 15 Category A (EMI); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)
Certification Details	UL 1778: 2014 R8.15 (5TH Edition); CAN/CSA-C22.2 NO. 107.3-14
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: <a href="http://www.tripplite.com/support/product-warranty-registration">Registration is required</a> for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <a href="http://www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>

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