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## Model #: SMART1000RM1U

**SmartPro 1kVA 800W Line Interactive Sine Wave UPS, SNMPWEBCARD option, 1U Rackmount, USB, RS232, EPO, 120V**

### Highlights

- 1kVA / 1000VA / 800W line interactive 1U rackmount UPS, Sine Wave
- 120V output, Corrects brownouts and overvoltages from 83V to 147V
- 0.8 Power Factor, Front panel status LEDs
- 2 and 4 post mounting accessories
- 99% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 120V NEMA 5-15P input, 6 NEMA 5-15R outlets



### Description

Tripp Lite SMART1000RM1U 1000VA / 1kVA / 800 watt line interactive, sine wave UPS system offers complete power protection for critical network applications in a highly efficient 1U total rack/tower configuration. Simultaneous-use network management interfaces include USB, RS-232 and optional SNMP/Web accessory card. Line interactive voltage regulation, network-grade surge suppression and long-lasting sine wave AC output during blackouts make this UPS ideal for advanced networking applications in datacenters, computer rooms and network closets.

#### Package Includes

- SMART 1000RM1U UPS System
- Mounting hardware
- Cabling for USB & DB9 monitoring and EPO switching
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual

### Features

- Tripp Lite SMART1000RM1U 1kVA / 1000VA / 800 watt line interactive UPS
- 1U rack/tower compatible form factor
- NEMA 5-15P input; 6 5-15R output receptacles
- Installed depth of only 16.75 in. / 42.5cm
- Sine wave output in both AC and battery backup modes
- Line Interactive UPS provides Automatic Voltage Regulation / AVR to maintain 120V nominal output during brownouts to 83V and overvoltages to 147V without using battery power
- Full load efficiency rating of 99% saves energy and ensures cool operating temperatures
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- PowerAlert monitoring software offers detailed site power and UPS updates with support for safe auto-shutdown of connected systems as UPS batteries become depleted
- Includes Free PowerAlert monitoring software packages; PowerAlert LOCAL for desktops and small business networks, PowerAlert NSA (Network Shutdown Agent) for larger networks and PowerAlert NMS (Network Management System) for monitoring up to 250 SNMP-enabled UPS, PDU and other networking devices
- Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via built-in RS-232 and USB interfaces
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Optional SNMPWEBCARD offers communications and control via secure remote web and network interfaces
- 3 stage metered LEDs offer current monitoring and battery charge level

- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Field replaceable, hot-swappable internal UPS batteries

## Specifications

<b>OUTPUT</b>	
Output Volt Amp Capacity (VA)	1000
Output kVA capacity (kVA)	1
Output Watt Capacity (watts)	800
Output power factor	0.8
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-21%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	6 5-15R outlet(s)
Built-in controllable switched load banks	Two switchable single-outlet 5-15R load banks
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
<b>INPUT</b>	
Rated input current (at maximum load)	9.2A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
Input circuit breaker	15A
Recommended Electrical Service	15A 120V
Input cord length (ft.)	10
Input cord length (m)	3
Phase	Single-Phase
<b>BATTERY</b>	
Full load runtime (minutes)	4 min. (800w)
Half load runtime (minutes)	14 min. (400w)
DC system voltage (VDC)	24

<b>Battery recharge rate (included batteries)</b>	Less than 4 hours from 10% to 90%
<b>Replacement battery cartridge (internal UPS battery replacement)</b>	<a href="#">RBC69-1U</a>
<b>Battery Access</b>	Front panel battery access door
<b>Battery replacement description</b>	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
<b>Voltage regulation description</b>	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 147
<b>Overvoltage correction</b>	Input voltages between 128 and 147 are reduced by 12%
<b>Undervoltage correction</b>	Input voltages between 83 and 107 are boosted by 14%
<b>LEDS ALARMS &amp; SWITCHES</b>	
<b>LED Indicators</b>	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
<b>Alarms</b>	Audible alarm indicates power-failure, overload and low-battery conditions
<b>Alarm cancel operation</b>	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
<b>Switches</b>	2 Switches control off/on power status and alarm-cancel/self-test operation
<b>SURGE / NOISE SUPPRESSION</b>	
<b>UPS AC suppression joule rating</b>	450 joules
<b>EMI / RFI AC noise suppression</b>	Yes
<b>AC suppression response time</b>	Instantaneous
<b>PHYSICAL</b>	
<b>Installation form factors supported with included accessories</b>	4 post 19 inch rackmount; 2 post 19 inch rackmount
<b>Primary form factor</b>	Rackmount
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / inches)</b>	1.7 x 17.5 x 16.8
<b>UPS / Power Module dimensions in primary form factor (height x width x depth / cm)</b>	4.4 x 44.4 x 42.5
<b>Rack Height</b>	1U
<b>UPS / Power Module weight (lbs)</b>	32
<b>UPS / Power Module weight (kg)</b>	14.5
<b>UPS Shipping dimensions (height x width x depth / inches)</b>	6.2 x 23.5 x 22.5

<b>UPS Shipping dimensions (height x width x depth / cm)</b>	15.9 x 59.7 x 57.2
<b>Shipping weight (lbs)</b>	36
<b>Shipping weight (kg)</b>	16.3
<b>Cooling method</b>	Fan
<b>UPS housing material</b>	Steel
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature Range</b>	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
<b>Storage Temperature Range</b>	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
<b>Relative Humidity</b>	0 to 95%, non-condensing
<b>AC mode BTU / hr. (full load)</b>	138.9
<b>Battery mode BTU / hr. (full load)</b>	477.7
<b>COMMUNICATIONS</b>	
<b>Communications interface</b>	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
<b>Network monitoring port description</b>	Supports detailed monitoring of UPS and site power conditions
<b>PowerAlert software</b>	Included
<b>Communications cable</b>	USB and DB9 cabling included
<b>WatchDog compatibility</b>	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time</b>	5 milliseconds AC to DC; 1 millisecond DC to AC
<b>Low voltage transfer to battery power (setpoint)</b>	83
<b>High voltage transfer to battery power (setpoint)</b>	147
<b>SPECIAL FEATURES</b>	
<b>Grounding lug</b>	Back panel grounding lug
<b>Cold Start (startup in battery mode during a power failure)</b>	Cold-start operation supported
<b>High availability UPS features</b>	Hot swappable batteries
<b>Green &amp; high efficiency features</b>	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
<b>CERTIFICATIONS</b>	
<b>UPS Certifications</b>	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)
<b>WARRANTY</b>	
<b>Product Warranty Period (Worldwide)</b>	2-year warranty, 3 year with <a href="#">registration</a> . Note: <a href="#">registration</a> is required for 3-year warranty.

Connected Equipment  
Insurance (U.S., Canada &  
Puerto Rico)

\$250,000 [Ultimate Lifetime Insurance](#)

## Related Items

### Optional Products

Related Model	Description	Qty.
<a href="#">DCATV</a>	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
<a href="#">DNET1</a>	Network Surge Suppressor - Essential protection for data and communication lines	1
<a href="#">DTEL2</a>	Network Surge Suppressor - Essential protection for data and communication lines	1
<a href="#">ENVIROSENSE</a>	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
<a href="#">PDU1215</a>	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
<a href="#">PS7224</a>	Tripp Lite Power Strip - Multiple outlets wherever you need them	1
<a href="#">SNMPWEBCARD</a>	For remote monitoring and control via SNMP, Web, or Telnet.	1
<a href="#">U022-010</a>	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1
<a href="#">WEXT5-500-1500</a>	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at [www.tripplite.com/en/products/model.cfm?txtModelID=3054](http://www.tripplite.com/en/products/model.cfm?txtModelID=3054).

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