888.792.7463
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Model #: SMART1000RM1U

SmartPro 1kVA Line Interactive Sine Wave UPS, SNMPWEBCARD option, 1U Rackmount, USB, Serial, EPO, 120V

Highlights

- 1kVA / 1000VA / 800W line interactive 1U rackmount UPS, Sine wave output
- 120V output, Corrects brownouts and overvoltages from 83V to 147V
- USB, RS232, EPO and slot for optional SNMP/WEB card
- Front panel status LEDs with load level and battery capacity display
- 99% line-mode UPS efficiency, 2 switchable output load banks
- 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

OUTPUT	
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
INPUT	
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
BATTERY	
Full load runtime (minutes)	4 min. (800w)
Half load runtime (minutes)	14 min. (400w)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%

Replacement battery cartridge (internal UPS battery replacement)	RBC69-1U
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, user replaceable batteries

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%

LEDS ALARMS & SWITCHES

LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure, overload and low-battery conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation

SURGE / NOISE SUPPRESSION

UPS AC suppression joule rating	450 joules
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous

PHYSICAL

Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	1.7 x 17.5 x 16.8
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	4.4 x 44.4 x 42.5
Installed whole system total rack space height (rack spaces)	1U
UPS / Power Module weight (lbs)	32
UPS / Power Module weight (kg)	14.5
UPS Shipping dimensions (height x width x depth / inches)	6.2 x 23.5 x 22.5
UPS Shipping dimensions (height x width x depth / cm)	15.9 x 59.7 x 57.2
Shipping weight (lbs)	36

Shipping weight (kg)	16.3
UPS housing material	Steel
Cooling method	Fan

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

COMMUNICATIONS

Communications interface	USB; 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

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 & high efficiency features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks

CERTIFICATIONS

UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)

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

Related Items

Optional Products

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