Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

888.792.7463
WWW.TARGETD.COM

Model #: SMART1000RM2U

SmartPro 1kVA Line Interactive Sine Wave UPS, SNMPWEBCARD option, 2U Rack/Tower, USB, Serial, EPO, 120V

Highlights

- 1kVA / 1000VA line interactive 2U rack/tower 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
- 2 independently switchable output load banks, 13.5 in / 34.3 cm depth
- NEMA 5-15P input, 6 NEMA 5-15R outlets

Description

Tripp Lite's SMART 1000RM2U intelligent, line-interactive sine wave rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 17 minutes half load runtime and 7 minutes at full load. Maintains regulated 120V nominal output without using battery power during brownouts and overvoltages from 83 to 147V. 1000VA/700 watt power handling capability and full time sine wave output supports networking, telecom and other sensitive electronic applications. Includes a total of 6 outlets arranged in 2 load banks that are individually controllable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous remote monitoring of UPS and site power conditions via built-in network accessory card slot, USB and DB9 serial monitoring ports. Optional SNMPWEBCARD accessory enables remote monitoring of UPS as a managed device via network management console applications. Communications ports support messaging of detailed UPS operating parameters and line power status. Includes PowerAlert UPS monitoring and unattended shutdown software with management support for an unlimited number of network UPS systems. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency. Multi-function audible alarms and set of 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive all-black color scheme.

Package Includes

- SMART 1000RM2U UPS System
- Mounting hardware for 4 post rackmount installation
- Cabling for USB & DB9 monitoring and EPO switching
- PowerAlert unattended shutdown and UPS/Power monitoring software

Features

- SMART 1000RM2U line interactive UPS offers battery derived sine wave AC output during power outages, voltage regulation during brownouts and overvoltages, plus network grade AC surge suppression
- 1000VA/700 watt power handling capability with full-time sine wave output offers guaranteed compatibility with networking, telecom and other sensitive electronic devices
- Supports 2U rackmount installation in 4 post rack enclosures with included mounting accessories, 2 post rackmount mountable with optional 2POSTRMKITWM accessory, upright tower installation supported with optional 2-9USTAND accessory
- Large internal batteries offer runtimes of 17 minutes at half load (500VA/350 watts) and 7 minutes at full load (1000VA/700 watts)
- Maintains regulated 120V nominal output during brownouts and overvoltages from 83 to 147V
- Includes 6 UPS-supported outlets arranged in 2 individually controllable load banks (2 outlets per bank) that can be powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user-defined script commands

- Offers simultaneous monitoring by up to 3 directly-connected devices through included USB, DB9 and SNMP* interfaces (*requires optional SNMPWEBCARD), or the monitoring of any number of additional UPS systems over IP with included PowerAlert monitoring software.
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for delayed or immediate reboot of connected devices
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by systematically restarting applications, operating systems and ultimately rebooting completely locked computers by momentarily switching UPS power off and back on again (requires optional WATCHDOGSW)
- Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression
- Attractive all-black color scheme
- UPS battery set ships fully assembled and ready for installation, no time consuming connection of internal batteries by user is necessary

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA capacity (kVA)	1
Output Watt Capacity (watts)	700
Output power factor	0.7
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 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 (at maximum load)	6.8A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
Input circuit breaker	15A
UPS Input cord length (ft.)	10

UPS Input cord length (m)	3
Recommended Electrical Service	15A 120V

BATTERY

Full load runtime (minutes)	7 min. (700w)
Half load runtime (minutes)	17 min. (350w)
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)	RBC92-2U
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	570
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

Installation form factors supported with included accessories	4 post 19 inch rackmount (mounting rail kit included)
Installation form factors supported with optional accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND)
Primary form factor	Rackmount
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	3.5 x 17.5 x 13.5

UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 34.3
Installed whole system total rack space height (rack spaces)	2U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (lbs)	35
UPS / Power Module weight (kg)	15.9
UPS Shipping dimensions (height x width x depth / inches)	9 x 24 x 20.2
UPS Shipping dimensions (height x width x depth / cm)	22.9 x 61 x 51.4
Shipping weight (lbs)	41.5
Shipping weight (kg)	18.8
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)	151.9
Battery mode BTU / hr. (full load)	207

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	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 & high efficiency 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)

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.
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1
RBC92-2U	2U UPS Replacement Battery Cartridge for select Tripp Lite SmartPro UPS	1
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
PDUNV	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
PDUMH15	Metered PDU / Power Distribution Unit - Safe, reliable power distribution with digital current meter	1
PDUMH15AT	Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching	1
PDUMNH15	Monitored PDU / Power Distribution Unit supports real-time remote monitoring of load level, voltage and frequency with options for remote environmental and security monitoring	1
PDUMNV15	Monitored PDU / Power Distribution Unit supports real-time remote monitoring of load level, voltage and frequency with options for remote environmental and security monitoring	1
PDUMH15ATNET	Switched, Metered PDU with ATS - Power Distribution Unit with dual-input Auto Transfer Switching, individual outlet control and remote network interface	1
PDUMV15NET	Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control	1

P007-002	2-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	1
P007-006	6-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	1
P007-010	10-ft. Heavy-Duty 14AWG Power cord (IEC-320-C13 to NEMA 5-15P)	1
P010-012	12-ft. 18AWG Power cord (NEMA 5-15P to IEC-320-C13)	1
P022-001	1-ft. 18AWG Power Extension cord (NEMA 5-15R to NEMA 5-15P)	1
P023-001	1-ft. 14AWG Power Adapter cord (NEMA L5-15R to NEMA 5-15P)	1
P034-010	10-ft. 14AWG Heavy Duty Power cord (IEC-320-C19 to NEMA 5-15P)	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=2657.