

SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS, Network Card Option, USB, DB9, 6 Outlets, 1U Rack/Vertical

MODEL NUMBER: **SMART1000RM1U**



Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise.

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 t. (3.1 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) 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

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
- Requires WEBCARDLX network interface running firmware update 15.5.2 or later to use Auto Probe

Package Includes

- SMART1000RM1U SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual



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
Compatible with vertical mount cabinets

Specifications

OVERVIEW	
UPC Code	037332118820
UPS Type	Line-Interactive
INPUT	
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
OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output 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



BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	4 min. (800w)
Half Load Runtime (min.)	14 min. (400w)
Expandable Runtime	No
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	 RBC69-1U
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%
USER INTERFACE, ALERTS & CONTROLS	
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
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	450
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount; Vertical
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



Installation Form Factors Supported with Optional Accessories	Vertical Mount Enclosures (SRWF5U36); SRWF5U ; SRWF10UMOD ;
Minimum Required Rack Depth (cm)	50.16
Minimum Required Rack Depth (inches)	19.75
Optional Mounting Accessory Notes	Optional 4POSTRAILKITWM ; enables installation in 4-port short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional 4POSTRAILKIT1U ; enables installation in 4-post full-depth racks from 20.5 to 36 inches (521 to 914mm)
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
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)	39
AC Mode Efficiency Rating (100% Load)	99%
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	SNMPWEBCARD; TLNETCARD ; WEBCARDLX ;
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 https://www.tripplite.com/poweralert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB
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
FEATURES & SPECIFICATIONS	
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
STANDARDS & COMPLIANCE	
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
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

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