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

MODEL NUMBER: **SMART1000RM1U**



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

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

Features

Protects Mission-Critical Rack-Mounted Equipment Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardwareAudible alarm signals loss of utility power, overload and low battery6 NEMA 5-15R outlets10 t. (3.1 m) power cord with 120V NEMA 5-15P input450-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 Outlets2 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 Operation99% 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 UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD

Communications PortsUSB and DB9 ports combine with PowerAlert software (available via free download from tripplite.eaton.com/products/power-alert) to monitor operating conditions, monitor AC power, and enable safe unattended system shutdown and file saves in case of a prolonged power failureEPO 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 rackOptional 4POSTRAILKIT1U accessory available for extra support in 4-post installationsCompatible

with vertical mount cabinets

Specifications

OVERVIEW	
UPC Code	037332118820
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
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
Maximum Input Amps	9
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
OUTPUT	
Output Capacity (VA)	1000
Output Capacity (kVA)	1
Output Capacity (Watts)	800
Output Capacity (kW)	0.8
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)
Runtime Full Load (min.)	4 min. (800W)
Runtime Half Load (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	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	450
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount; Vertical
Rack Height	1U
Cooling Method	Fan
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)	50.80
Minimum Required Rack Depth (inches)	20
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
Shipping Dimensions (hwd / in.)	5.30 x 21.30 x 22.90
Shipping Dimensions (hwd / cm)	13.46 x 54.10 x 58.17
Shipping Weight (lbs.)	36.00
Shipping Weight (kg)	16.33
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
Unit Dimensions (hwd / in.)	1.750 x 17.500 x 16.750
Unit Weight (lbs.)	32.0000
Unit Weight (kg)	14.51
Mounting Details	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
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0-95% 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	TLNETCARD; WEBCARDLXE
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 software at https://tripplite.eaton.com/products/power-alert
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	
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; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
Grounding Details	Back panel grounding lug
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
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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