Tripp Lite
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SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS, 1U Rack, WEBCARDLX Network Interface, USB, DB9, 6 Outlets

MODEL NUMBER: **SMART1000RM1UN**







Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Pre-installed WEBCARDLX network interface permits remote UPS management.

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-ft. (3.05 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

Pre-Installed WEBCARDLX Network Interface

- Allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, Telnet, SSH, and CLI.
- Optional E2 sensors (sold separately) enable site monitoring of temperature, humidity and contact-closure status

Reduce Service Calls with Auto Probe Autonomous Device Management

- Auto Probe feature (Firmware 15.5.2 and greater) of the LX Platform Interface checks the connectivity

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
- Pre-installed WEBCARDLX network interface
- 14 min. runtime at half load; 4 min. at full load
- To enable the Auto Probe feature, this product requires LX firmware update 15.5.2 or later to be installed

Package Includes

- SMART1000RM1UN SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS
- Pre-installed WEBCARDLX network interface
- USB cables
- DB9 cable
- EPO cable
- Mounting hardware
- Owner’s manual

status of any networked device and automatically takes one or more user-configured actions if the device fails to respond; actions include outlet reboot, set SNMP traps, SNMP OID sets, and even script execution when used in conjunction with the Tripp Lite PowerAlert Network Shutdown Agent (PANSA)

Switchable Outlets

- 2 load banks, each with one outlet controllable remotely 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

LED Indicators

- Front-panel LEDs signal power, voltage correction, load level and battery charge state

Communications Ports

- USB and DB9 ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software (available via free download at www.tripplite.com/poweralert)
- EPO 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 rack
- Optional 4POSTRAILKIT1U accessory available for extra support in 4-post installations

Specifications

OVERVIEW	
UPC Code	037332190741
UPS Type	Line-Interactive
INPUT	
Rated input current (Maximum Load)	9.2A
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 kVA 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)	Less than 4 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. LX Platform Interface: Recessed reset switch for interface reboot and factory reset
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. Network Link/Activity (Green): Flashes for network activity. Network Speed (Yellow): 10 Mbps (Flashing), 100 Mbps (On steady). LX Platform Interface Status: Normal Operation (Solid Green); Software Update (Alternating Green/Orange ~1/sec); Factory Reset (Alternating Green/Orange ~2/sec).
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	450
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
PHYSICAL	
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; Tower
Installation Form Factors Supported with Optional Accessories	4 post rackmount full-depth (4POSTRAILKIT1U); 4 post rackmount short-depth (4POSTRAILKITWM)
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 Form Factor	Rackmount
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
Battery Mode BTU / Hr. (Full Load)	816
AC Mode Efficiency Rating (100% Load)	99%
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Monitoring Port Description	Includes pre-installed WEBCARDLX Network Management Card
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert
Communications Cable	Micro-USB, USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
EPO Port	RJ11 interface jack with 4-meter cable included. Supports normally open and normally closed EPO systems
SNMP Compatibility	SNMP V1, V2c, V3
Communications Interface	DB9 Serial; EPO (emergency power off); Pre-installed network card; 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
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	Auto Probe Monitoring and Reboot (included); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection

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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)
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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