

SmartPro 120V 1kVA 800W Line-Interactive Sine Wave UPS, 1U Rack/Vertical, 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 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

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

Automatic Voltage Regulation (AVR)

- Maintains 120V nominal output over input range of 83V-147V without using battery power

EM/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
- Compatible with vertical mount cabinets

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 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) | 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 | |
| Primary Form Factor | Rackmount; Vertical |
| Rack Height | 1U |
| 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) | 50.80 |
| 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.) | 35.00 |
| Shipping Weight (kg) | 15.88 |
| 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 Weight (lbs.) | 32.0000 |
| Unit Weight (kg) | 14.51 |
| 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 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 Management Cards | WEBCARDLX |
| 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 |
| Network Management Card Description | Network management card included |
| 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 |
| 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 (included); 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 Lug | Back panel grounding lug |
| STANDARDS & COMPLIANCE | |
| Product Certifications | CSA (Canada); NOM (Mexico); UL 1778 |
| Product Compliance | RoHS; FCC Part 15 Class A (USA) |
| 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 |