

SmartPro 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS, 2U Rack/Tower, WEBCARDLX Network Interface, LCD, USB, 8 Outlets

MODEL NUMBER: **SMART1500RM2UN**



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 24/7.

Description

The SMART1500RM2UN SmartPro® 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up servers and network storage devices, the SMART1500RM2UN switches to battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.

Featuring eight NEMA 5-15R outlets (four switchable) and a 10-foot power cord with 120V NEMA 5-15P input, the SMART1500RM2UN has an internal battery that provides 13 minutes of support at half load and 4.5 minutes at full load.

The Java-free HTML5-based WEBCARDLX interface enables full remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network.

Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities. Protocols supported include IPv4, IPv6, HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 83V to 147V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage.

Highlights

- Corrects under- and overvoltages from 83V to 147V
- 8 NEMA 5-15R outlets—4 switchable via network interface
- Pre-installed WEBCARDLX network interface for remote management
- Interactive LCD monitoring screen
- 13 min. runtime at half load; 4.5 min. at full load

Package Includes

- SMART1500RM2UN SmartPro 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS
- Pre-installed WEBCARDLX network interface
- 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 hardware
- Audible alarm signals loss of utility power, overload, low battery and fault conditions
- 8 NEMA 5-15R outlets (4 are switchable)
- 10 ft. power cord with 120V NEMA 5-15P input
- 0.9 power factor rating
- 570-joule surge suppression rating

Reliable Battery Backup

- Supports half load up to 13 min. and full load up to 4.5 min.
- Internal batteries designed for hot-swap field replacement
- 95% line-power efficiency rating saves money in energy costs

Pre-Installed WEBCARDLX Network Interface

- Network interface supports simultaneous communications via built-in USB, DB9 serial/contact-closure and pre-installed WEBCARDLX network management card
- Allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH
- Supports 10/100 Mbps auto-sensing for communication with an Ethernet network
- Optional EnviroSense2 sensors (sold separately) enable site monitoring of temperature, humidity and contact-closure status

2 Load Banks with Switchable Outlets

- Can control 4 outlets 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

Interactive LCD Screen

- Front-panel LCD signals operating mode, load level, voltage, battery charge and estimated runtimes
- Rotates for easy viewing in rack-mount or tower configurations

Communications Ports

- USB and DB9 ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software (available via free download from www.tripplite.com/poweralert)



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- EPO port supports emergency shutdown in large facilities

Versatile Installation Options

- Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rack
- Mounts on wall or 2-post rack with optional 2POSTRMKITWM accessory
- Mounts in upright tower position with optional 2-9USTAND accessory

Specifications

| OVERVIEW | |
|--|--|
| UPC Code | 037332178237 |
| OUTPUT | |
| Output Volt Amp Capacity (VA) | 1500 |
| Output kVA Capacity (kVA) | 1.5 |
| Output Watt Capacity (Watts) | 1350 |
| Output kW Capacity (kW) | 1.35 |
| Power Factor | 0.9 |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |
| 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% |
| Output Receptacles | (8) 5-15R |
| Load Management Receptacles | 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 (Maximum Load) | 12A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 15A |
| UPS Input Cord Length (ft.) | 10 |



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| UPS Input Cord Length (m) | 3.0 |
| Recommended Electrical Service | 15A 120V |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 4.5 min. (1350w) |
| Half Load Runtime (min.) | 13 min. (675w) |
| DC System Voltage (VDC) | 36 |
| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% (typical, full load discharge) |
| Internal UPS Replacement Battery Cartridge | RBC93-2U |
| Battery Access | Front panel battery access door |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | No |
| 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 | |
| Front Panel LCD Display | Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options) |
| Switches | 3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions |
| Alarm Cancel Operation | Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available |
| Audible Alarm | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 570 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Included Mounting Accessory Description | 4 post rackmount installation accessories included |
| Installation Form Factors Supported with Optional Accessories | 2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND) |



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| Primary Form Factor | Rackmount |
| UPS Power Module Dimensions (hwd, in.) | 3.45 x 17.3 x 13.45 |
| UPS Power Module Dimensions (hwd, cm) | 8.76 x 43.94 x 34.16 |
| Rack Height (U Spaces) | 2 |
| Minimum Required Rack Depth (inches) | 16.5 |
| Minimum Required Rack Depth (cm) | 41.91 |
| UPS Power Module Weight (lbs.) | 46.5 |
| UPS Power Module Weight (kg) | 21.09 |
| Shipping Dimensions (hwd / in.) | 8.500 x 23.300 x 19.600 |
| Shipping Dimensions (hwd / cm) | 21.59 x 59.18 x 49.78 |
| Shipping Weight (lbs.) | 59.0000 |
| Shipping Weight (kg) | 26.76 |
| Cooling Method | Fan |
| UPS Housing Material | Steel |
| Primary UPS Height (mm) | 876 |
| Primary UPS Width (mm) | 4,394 |
| Primary UPS Depth (mm) | 3,416 |
| 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) | 267 |
| Battery Mode BTU / Hr. (Full Load) | 1012 |
| AC Mode Efficiency Rating (100% Load) | 95% |
| COMMUNICATIONS | |
| Communications Interface | DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB (HID enabled) |
| Network Monitoring Port Description | Includes Pre-installed WEBCARDLX Network Management interface card |
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at http://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 UPS Tools Compatibility | NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite |



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| 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 Energy-Saving Features | Greater than 95% efficiency - GREEN UPS; 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 |

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