

## SmartPro 120V 1.5kVA 1.44kW Line-Interactive Sine Wave UPS, 2U, Extended Run, Network Card Options, USB, 8 Outlets

MODEL NUMBER: **SMART1500CRMXL**



### Description

The SMART1500CRMXL SmartPro 120V 1.5kVA 1.44kW 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 SMART1500CRMXL switches to 1.5kVA/1.44kW 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 (three switchable) and a 10-foot power cord with 120V NEMA 5-15P input, the SMART1500CRMXL has an internal battery that provides 14 minutes of support at half load and six minutes at full load. Front-panel LEDs indicate line power, battery power, overload, voltage regulation and battery status. Adding external battery packs, such as Tripp Lite's [BP48V24-2U](#) (sold separately), provides extended runtime.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 83V to 145V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 570-joule surge suppression rating protects your equipment from harmful power surges. With Tripp Lite's PowerAlert® software (available via free download), SMART1500CRMXL enables safe unattended system shutdown and file saves in case of a prolonged power failure.

### 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
- 8 NEMA 5-15R outlets
- 10 ft. power cord with 120V NEMA 5-15P input
- 570-joule surge suppression rating

#### Reliable Battery Backup with Expandable Runtime

- Supports half load up to 14 min. and full load up to 6 min.

### Highlights

- Corrects under- and overvoltages from 83V to 145V
- 8 NEMA 5-15R outlets—3 switchable via network interface
- Network power management and control capability
- Expandable runtime with optional external battery packs
- 14 min. runtime at half load; 6 min. at full load

### Package Includes

- SMART1500CRMXL SmartPro 120V 1.5kVA 1.44kW Line-Interactive Sine Wave UPS
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner's manual



- Internal batteries designed for hot-swap field replacement
- 97% line-power efficiency rating saves money in energy costs
- Expandable runtime with optional external battery packs, such as Tripp Lite's [BP48V24-2U](#)

### 3 Load Banks with Switchable Outlets

- Can control 3 outlets remotely to reboot equipment or shed nonessential loads

### Automatic Voltage Regulation (AVR)

- Maintains 120V nominal output over input range of 83V–145V 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 indicate line power, battery power, overload, voltage regulation and battery status

### Network Management Cards

- Compatible with Tripp Lite UPS management card options [WEBCARDLX](#) and [SNMPWEBCARD](#)

### Communications Ports

- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)
- 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 [2-9U STAND](#) accessory

## Specifications

| OUTPUT                              |                                     |
|-------------------------------------|-------------------------------------|
| Output Volt Amp Capacity (VA)       | 1500                                |
| Output kVA Capacity (kVA)           | 1.5                                 |
| Output Watt Capacity (Watts)        | 1440                                |
| Output kW Capacity (kW)             | 1.44                                |
| Power Factor                        | 1                                   |
| 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)      | -14%, +8%   |
| Output Voltage Regulation (Battery Mode)   | +/- 5%  |
| Output Receptacles                         | (8) 5-15R   |
| Load Management Receptacles                | Three switchable single-outlet 5-15R load banks   |
| Output AC Waveform (AC Mode)               | Sine wave   |
| Output AC Waveform (Battery Mode)          | Pure Sine wave  |
| <b>INPUT</b>                               |   |
| 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  |
| UPS Input Cord Length (m)                  | 3.0   |
| Recommended Electrical Service             | 15A 120V  |
| Input Phase                                | Single-Phase  |
| <b>BATTERY</b>                             |   |
| Full Load Runtime (min.)                   | 6 min. (1440w)  |
| Half Load Runtime (min.)                   | 14 min. (720w)  |
| Expandable Battery Runtime                 | Extended runtime supported via optional external battery packs  |
| External Battery Pack Compatibility        | <a href="#">BP48V24-2U</a> (limit 1); <a href="#">BP48V60RT-3U</a> (multi-pack compatible); <a href="#">BP48V27-2US</a> (multi-pack compatible) |
| DC System Voltage (VDC)                    | 48  |
| Battery Recharge Rate (Included Batteries) | Less than 3 hours from 10% to 90% (typical, full load discharge)  |
| Internal UPS Replacement Battery Cartridge | <a href="#">RBC94-2U</a>  |
| Battery Access                             | Front panel battery access door   |
| Battery Replacement Description            | Hot-swappable, user replaceable batteries   |
| Expandable Runtime                         | Yes   |
| <b>VOLTAGE REGULATION</b>                  |   |
| Voltage Regulation Description             | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 145                                      |
| Overvoltage Correction                     | Input voltages between 127 and 145 are reduced by 12%   |
| Undervoltage Correction                    | Input voltages between 96 and 108 are boosted by 12%  |
| Severe Undervoltage Correction             | Input voltages between 83 and 95 are boosted by 24%   |



| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b>                  |  |
|---|--|
| Switches  | 2 Switches control off/on power status and alarm-cancel/self-test operation; rear panel protected switches support nominal voltage selection |
| 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                                       |
| <b>SURGE / NOISE SUPPRESSION</b>                              |  |
| UPS AC Suppression Joule Rating                               | 570  |
| UPS AC Suppression Response Time                              | Instantaneous  |
| EMI / RFI AC Noise Suppression                                | Yes  |
| <b>PHYSICAL</b>   |  |
| 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)  |
| Primary Form Factor   | Rackmount  |
| UPS Power Module Dimensions (hwd, in.)                        | 3.43 x 17.3 x 19.4   |
| UPS Power Module Dimensions (hwd, cm)                         | 8.71 x 43.94 x 49.28   |
| Rack Height (U Spaces)  | 2  |
| Minimum Required Rack Depth (inches)                          | 26.4   |
| Minimum Required Rack Depth (cm)                              | 67.06  |
| UPS Power Module Weight (lbs.)                                | 60   |
| UPS Power Module Weight (kg)                                  | 27.22  |
| UPS Shipping Dimensions (hwd / in.)                           | 9.2 x 24 x 20  |
| UPS Shipping Dimensions (hwd / cm)                            | 23.37 x 60.96 x 50.80  |
| Shipping Weight (lbs.)  | 70.7   |
| Shipping Weight (kg)  | 32.1   |
| Cooling Method  | Fan  |
| UPS Housing Material  | Steel  |
| Minimum Required Rack Depth (mm)                              | 671  |
| Primary UPS Height (mm)                                       | 87   |



|   |  |
|---|--|
| Primary UPS Width (mm)                            | 439  |
| Primary UPS Depth (mm)                            | 493  |
| Shipping Height (mm)                              | 234  |
| Shipping Width (mm)                               | 610  |
| Shipping Depth (mm)                               | 508  |
| <b>ENVIRONMENTAL</b>                              |  |
| 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)                     | 152  |
| Battery Mode BTU / Hr. (Full Load)                | 546  |
| AC Mode Efficiency Rating (100% Load)             | 97%  |
| <b>COMMUNICATIONS</b>                             |  |
| Communications Interface                          | USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface  |
| Network Management Cards                          | <a href="#">SNMPWEBCARD</a> ; <a href="#">WEBCARDLX</a>  |
| Network Monitoring Port Description               | Supports detailed monitoring of UPS and site power conditions  |
| PowerAlert Software                               | For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a> |
| Communications Cable                              | USB and DB9 cabling included   |
| WatchDog Compatibility                            | Supports Watchdog application, OS and hard-reboot restart options for remote applications  |
| <b>LINE / BATTERY TRANSFER</b>                    |  |
| Transfer Time                                     | 5.5 milliseconds   |
| Low Voltage Transfer to Battery Power (Setpoint)  | 83   |
| High Voltage Transfer to Battery Power (Setpoint) | 145  |
| <b>SPECIAL FEATURES</b>                           |  |
| High Availability UPS Features                    | Hot swappable batteries  |
| Green Energy-Saving Features                      | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks  |
| <b>CERTIFICATIONS</b>                             |  |
| UPS Certifications                                | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)   |
| <b>WARRANTY</b>                                   |  |



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| Product Warranty Period (Worldwide)                        | 2-year warranty, 3 year with registration. Note: <a href="#">Registration is required</a> for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 <a href="#">Ultimate Lifetime Insurance</a>  |

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