

## Smart LCD 1500VA 900W 120V Line-Interactive UPS - 8 Outlets, USB, DB9, 2U Rack/Tower

MODEL NUMBER: SMART1500LCD



Provides reliable 1500VA/900W power protection for your desktop computer, network workstation, homelab, audio/video components or media center. Protects against surges, line noise, blackouts and brownouts.

### Features

#### 1500VA/900W/120V Battery Backup for PC Networks, Security Systems or Digital Signage

This SmartPro® line-interactive UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise that can damage valuable electronics or destroy data. The SMART1500LCD is ideal protection for small business networks, VoIP systems, point-of-sale applications, desktop workstations, home offices and home theater systems.

#### Reliable Battery Backup Keeps You Operational Through Power Outages

The field-replaceable, hot-swappable VRLA battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. Switchover from line to battery power happens within milliseconds to maintain continuous operation of connected equipment without interruption or rebooting.

#### NEMA 5-15R Outlets Protect Your Connected Components

Eight 5-15R outlets provide connected equipment with PWM sine wave AC output. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise.

#### Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions

AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts. The SMART1500LCD can correct brownouts as low as 75V and overvoltages as high as 147V back to nominal 120V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

#### Premium Protection from EMI/RFI Line Noise Helps Your Equipment Perform Better

This UPS system filters out disruptive electromagnetic and radio frequency interference that can inflict hardware damage or data loss. This EMI/RFI filtering also helps your connected components perform better and last longer.

#### ENERGY STAR-Certified to Help You Save Money and Protect the Environment

By meeting strict U.S. Department of Energy and U.S. Environmental Protection Agency requirements, this ENERGY STAR UPS system provides high operational efficiency to signal a reduction in BTU emissions, save on utility and cooling costs and help protect the environment.

### Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- Maintains continuous 120V nominal output during brownouts and overvoltages
- ENERGY STAR-certified to save electricity, lower costs and protect the environment
- Front-panel LCD reports detailed voltage, runtime, load and battery information

### Package Includes

- 1500VA 900W 120V Line-Interactive UPS
- USB cable
- DB9 cable
- Telephone cable
- Rack-mounting hardware
- Owner's manual

**Intuitive Front-Panel Interface for Convenient UPS Operation and Monitoring**

The large LCD indicates a variety of UPS operational conditions, including voltage, runtime, load, battery and operating mode. The control panel rotates to accommodate both rack-mount and tower configurations. An audible alarm indicates loss of utility power or low battery.

**Advanced Communications Ports Allow for Automatic Saves and Shutdowns**

RS-232 and HID-compliant USB ports connect to a computer running free downloadable PowerAlert® software to enable safe unattended system shutdown in case of a prolonged power failure. Cables are included.

**Versatile Installation Options**

You can mount the SMART1500LCD in just 2U of space in an EIA-standard 19-inch rack using the included hardware. You can also adapt it for tower installation using the included brackets. The six-foot power cord with NEMA 5-15P plug connects to a compatible AC outlet.

## Specifications

| OVERVIEW                              |                                     |
|---------------------------------------|-------------------------------------|
| UPC Code                              | 037332126146                        |
| UPS Type                              | Line-Interactive                    |
| INPUT                                 |                                     |
| Input Phase                           | Single-Phase                        |
| Rated input current (Maximum Load)    | 8.6A                                |
| Nominal Input Voltage(s) Supported    | 120V AC                             |
| UPS Input Connection Type             | 5-15P; Right-Angled                 |
| Input Circuit Breakers                | 10A                                 |
| UPS Input Cord Length (ft.)           | 6                                   |
| UPS Input Cord Length (m)             | 1.8                                 |
| Recommended Electrical Service        | 15A 120V                            |
| OUTPUT                                |                                     |
| Output Capacity (VA)                  | 1500                                |
| Output Capacity (kVA)                 | 1.5                                 |
| Output Capacity (Watts)               | 900                                 |
| Output Capacity (kW)                  | 0.9                                 |
| Power Factor                          | 0.6                                 |
| Nominal Voltage Details               | 115v nominal output in battery mode |
| Frequency Compatibility               | 60 Hz                               |
| Output Voltage Regulation (Line Mode) | -18%, +8%                           |

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| Output Voltage Regulation (Battery Mode)     | 115V (+/- 5%)   |
| Output AC Waveform (AC Mode)                 | Sine wave   |
| Output AC Waveform (Battery Mode)            | PWM sine wave   |
| Nominal Output Voltage(s) Supported          | 110V; 115V; 120V  |
| Output Receptacles                           | (8) 5-15R   |
| Individually Controllable Load Banks         | No  |
| <b>BATTERY</b>                               |   |
| Battery Type                                 | Valve Regulated Lead Acid (VRLA)  |
| Runtime Full Load (min.)                     | 4.4 min. (900W)   |
| Runtime Half Load (min.)                     | 11.8 min. (450W)  |
| Expandable Runtime                           | No  |
| DC System Voltage (VDC)                      | 24  |
| Battery Recharge Rate (Included Batteries)   | Less than 4.5 hours from 10% to 90%   |
| Battery Access                               | Battery Access Door   |
| Internal UPS Replacement Battery Cartridge   | &nbsp;<a class="productLink" href="//tripplite.eaton.com/ups-battery-replacement-for-smart1200lcd-smart1500lcd-smart1500lcdxl-smx1500lcd~RBC1500">RBC1500</a>&nbsp;   |
| Battery Replacement Description              | IMPORTANT BATTERY REPLACEMENT INFORMATION > If your SMART1500LCD UPS has no battery replacement door, please contact a local electronics repair technician to source and install a matching replacement battery; If your SMART1500LCD UPS is equipped with a battery access door, please order Tripp Lite RBC1500 (quantity 1) replacement battery cartridge  |
| <b>VOLTAGE REGULATION</b>                    |   |
| Voltage Regulation Description               | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 75 to 147  |
| Overvoltage Correction                       | Input voltages between 128 and 147 are reduced by 12%   |
| Undervoltage Correction                      | Input voltages between 93 and 107 are boosted by 14%  |
| Severe Undervoltage Correction               | Input voltages between 75 and 92 are boosted by 30%   |
| <b>USER INTERFACE, ALERTS &amp; CONTROLS</b> |   |
| Front Panel LCD Display                      | Backlighted LCD screen offers detailed UPS status information, configuration options and Error message reporting; STATUS INFORMATION includes Input Voltage, Output Voltage, Estimated Runtime (minutes), Output Load Percentage, Output Load Wattage, Battery Charge Percentage, Graphical 5-Bar Battery Charge Level and UPS Operating Mode Display / CONFIGURATION OPTIONS include Power Sensitivity, LCD Status Information Scrolling, Alarm Disable, LCD Brightness and Self Test / REPORTED ERROR MESSAGES include Replace-Battery and Overload conditions; LCD Screen rotates for vertical or horizontal UPS placement |
| Switches                                     | ON/OFF/MODE button provides UPS on/off power control (long-press) and advances the LCD screen display (short tap); MUTE/ENTER button provides temporary alarm cancel, plus selection and confirmation of on-screen configuration options  |
| Alarm Cancel Operation                       | Press the MUTE/ENTER button during a power failure to silence the alarm; Once silenced, alarm will re-sound to indicate low-battery status  |
| Audible Alarm                                | Audible alarm indicates power-failure and low-battery status; Alarm can be disabled entirely via front panel LCD interface (see manual)   |

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| LED Indicators  | Front panel LCD display   |
| <b>SURGE / NOISE SUPPRESSION</b>                              |   |
| UPS AC Suppression Joule Rating                               | 870   |
| UPS AC Suppression Response Time                              | Instantaneous   |
| UPS Dataline Suppression                                      | 1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet  |
| UPS Dataline Suppression Details                              | 168 joules; Compatible with POE applications  |
| EMI / RFI AC Noise Suppression                                | Yes   |
| <b>PHYSICAL</b>   |   |
| Primary Form Factor   | Rackmount   |
| Rack Height   | 2U  |
| Cooling Method  | Fan   |
| Included Mounting Accessory Description                       | Included mounting brackets enable installation in 2 and 4 post racks, plus upright tower configurations; Set of 4 rubber-feet enable no-slip horizontal desktop placement |
| Installation Form Factors Supported with Included Accessories | 2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount; Tower   |
| Minimum Required Rack Depth (cm)                              | 35.56   |
| Minimum Required Rack Depth (inches)                          | 14  |
| Primary UPS Depth (mm)  | 267   |
| Primary UPS Height (mm)                                       | 89  |
| Primary UPS Width (mm)  | 438   |
| Shipping Dimensions (hwd / in.)                               | 7.10 x 14.90 x 21.30  |
| Shipping Dimensions (hwd / cm)                                | 18.03 x 37.85 x 54.10   |
| Shipping Weight (lbs.)  | 31.90   |
| Shipping Weight (kg)  | 14.47   |
| UPS Housing Material  | ABS   |
| UPS Power Module Dimensions (hwd, cm)                         | 8.89 x 43.82 x 26.67  |
| UPS Power Module Dimensions (hwd, in.)                        | 3.5 x 17.25 x 10.5  |
| UPS Power Module Weight (kg)                                  | 13.61   |
| UPS Power Module Weight (lbs.)                                | 30  |
| Unit Dimensions (hwd / in.)                                   | 3.500 x 17.250 x 10.500   |
| Unit Weight (lbs.)  | 30.0000   |
| Unit Weight (kg)  | 13.61   |

| <b>ENVIRONMENTAL</b>  |  |
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| Operating Temperature Range                                 | 32° to 104°F (0° to 40°C)  |
| Storage Temperature Range                                   | 5° to 122°F (-15° to 50°C)   |
| Relative Humidity   | Up to 95%, non-condensing  |
| AC Mode BTU / Hr. (Full Load)                               | 78   |
| AC Mode Efficiency Rating (100% Load)                       | 98%  |
| Operating Elevation (ft.)                                   | 6562   |
| Operating Elevation (m)                                     | 2000   |
| <b>COMMUNICATIONS</b>                                       |  |
| Network Monitoring Port Description                         | Supports detailed monitoring of UPS and site power conditions; DB9 provides contact-closure notification of AC Present (pins 1,9 connected) and AC Fail (pins 1,8 connected)                                     |
| PowerAlert Software   | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a> |
| Communications Cable  | USB and DB9 Serial cabling included  |
| WatchDog Compatibility                                      | Supports Watchdog application, OS and hard-reboot restart options for remote applications  |
| Network Management Card Description                         | Network management not supported   |
| Communications Interface                                    | Contact closure; DB9 Serial; USB (HID enabled)   |
| <b>LINE / BATTERY TRANSFER</b>                              |  |
| Transfer Time   | 4 milliseconds (AC to battery mode); 1 millisecond (Battery to AC mode)  |
| Low Voltage Transfer to Battery Power (Setpoint)            | 75   |
| High Voltage Transfer to Battery Power (Setpoint)           | 147  |
| <b>FEATURES &amp; SPECIFICATIONS</b>                        |  |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported   |
| High Availability UPS Features                              | Automatic Voltage Regulation (AVR); Hot swappable batteries; Surge/noise protection  |
| Green Energy-Saving Features                                | Greater than 95% efficiency - GREEN UPS  |
| <b>APPLICATIONS</b>   |  |
| UPS Applications  | Home/Office Desktop; Audio/Video; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality  |
| <b>STANDARDS &amp; COMPLIANCE</b>                           |  |
| Product Certifications                                      | CSA (Canada); NOM (Mexico); UL 1778  |
| Product Compliance  | RoHS; FCC Part 15 Class B (USA)  |

| WARRANTY & SUPPORT   |  |
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| Product Warranty Period (U.S. & Canada)                    | 3-year limited warranty  |
| Product Warranty Period (Latin America)                    | 3-year limited warranty  |
| Product Warranty Period (International)                    | 2-year limited warranty  |
| Product Warranty Period (Mexico)                           | 3-year limited warranty  |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a> |