

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

MODEL NUMBER: **SMART1500LCD**



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

### Description

The SMART1500LCD SmartPro LCD 120V, 1500VA/900W Line-Interactive Uninterruptible Power Supply 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 your desktop computer or audio/visual components, this line-interactive UPS switches to battery backup mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss. Eight NEMA 5-15R outlets protect against surges, as well as provide up to 11.8 minutes of UPS battery support at half load (450W) and 4.4 minutes of support at full load (900W). Automatic voltage regulation (AVR) corrects severe undervoltages as low as 75V and overvoltages as high as 147V without using any battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 870-joule surge suppression rating protects your equipment from harmful power surges. NEMA 5-15P plug with 6-ft. (1.83 m) cord connects to any NEMA 5-15R socket. Large rotatable LCD screen with dimmer shows real-time input voltage, overload, AVR and battery statuses at a glance. Alarm sounds to indicate power loss or low battery. With Tripp Lite's free PowerAlert software (available via free download), the SMART1500LCD enables safe unattended system shutdown and file saves in case of a prolonged power failure.

### Features

#### Reliable Battery Backup

- Provides 1500VA/900W high-performance power protection for desktop computers, audio/video components, media centers and other electronics
- Supports 50% load (450W) up to 11.8 minutes and full load (900W) up to 4.4 minutes
- Audible alarm indicates loss of utility power or low battery
- Battery access door enables hot-swappable, user-replaceable internal batteries

#### Optimized Outlets

- 8 NEMA 5-15R outlets provide battery backup and protect against surges or spikes that can harm equipment or data

### Highlights

- Supports a half-load (450W) up to 11.8 min. during power outage
- Supports a full load (900W) up to 4.4 min. during power outage
- High 98% efficiency in line power mode
- Features 8 protected NEMA 5-15R outlets
- Offers automatic voltage regulation (AVR)
- LCD screen reports real-time UPS and power status

### Package Includes

- SMART1500LCD UPS
- USB cable
- DB9 serial cable
- Telephone cable
- Mounting hardware
- Owner's Manual



#### Automatic Voltage Regulation (AVR)

- Corrects undervoltages as low as 75V and overvoltages as high as 147V without drawing battery backup power

#### Rotatable LCD Status Screen

- Large LCD screen offers real-time status information regarding operating mode, voltage, load level, battery charge percentage and estimated runtime in minutes
- UPS configuration options via front panel LCD include battery self-test, external battery pack configuration, alarm on/off status and LCD brightness
- Rotates for easy viewing in both horizontal and vertical installations

#### AC Line, Tel/DSL and Ethernet Surge Suppression

- Surge suppression rating of 870 joules protects connected equipment and data from harmful power surges
- Built-in RJ-45 jacks protect single-line tel/DSL or network Ethernet connection

#### EM/RFI Line Noise Filtering

- Removes electromagnetic and radio frequency interference that can disrupt or damage your equipment's performance

#### USB and DB9 Communication Ports and Free PowerAlert Software

- HID-compliant USB port integrates with built-in power management and auto-shutdown of Windows and Mac OS X
- 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)
- DB9 port also supports contact closure messaging for AC Present and AC Fail status

#### Flexible Installation Options

- NEMA 5-15P plug with 6-ft. (1.83 m) cord connects to any NEMA 5-15R socket
- Adapts to vertical or horizontal installation with included mounting hardware
- Includes 2U brackets for rack-mount installation in 2 or 4 post racks

## Specifications

OVERVIEW	
UPC Code	037332126146
UPS Type	Line-Interactive
INPUT	
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
Input Phase	Single-Phase
<b>OUTPUT</b>	
Output Volt Amp Capacity (VA)	1500
Output Capacity (kVA)	1.5
Output Watt Capacity (Watts)	900
Output kW 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%
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)
Full Load Runtime (min.)	4.4 min. (900w)
Half Load Runtime (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="//www.tripplite.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)
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
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)	34.29
Minimum Required Rack Depth (inches)	13.5
Primary UPS Depth (mm)	267
Primary UPS Height (mm)	89
Primary UPS Width (mm)	438
Rack Height	2U



Shipping Dimensions (hwd / cm)	18.03 x 37.85 x 54.10
Shipping Dimensions (hwd / in.)	7.10 x 14.90 x 21.30
Shipping Weight (kg)	14.47
Shipping Weight (lbs.)	31.90
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
<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	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 Local software at <a href="https://www.tripplite.com/poweralert">https://www.tripplite.com/poweralert</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>STANDARDS &amp; COMPLIANCE</b>	
Certification & Compliance	RoHS; FCC Part 15 Class B (USA); CSA (Canada); NOM (Mexico); UL 1778
<b>WARRANTY</b>	
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="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>

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