

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

MODEL NUMBER: **SMART1500LCDXL**



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

### Description

The SMART1500LCDXL 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 12 minutes of UPS battery support at half-load (450W) and 4.18 minutes of support at full load (900W). You can get even more runtime by connecting an optional BP24V15RT2U external battery pack.

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 1038-joule surge suppression rating protects your equipment from harmful power surges.

Space-saving NEMA 5-15P right-angle plug with 6-ft. (1.83 m) cord connects to any NEMA 5-15R socket. Large rotatable LCD screen shows real-time input voltage, load, AVR, remaining battery runtime and battery statuses at a glance. With Tripp Lite's PowerAlert software (available via free download), the SMART1500LCDXL 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 12 minutes and full load (900W) up to 4.18 minutes 97% full-load efficiency rating saves money in energy costs Audible alarm indicates loss of utility power, low battery and overload conditions Optional BP24V15RT2U external battery pack easily connects for expanded runtime

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

**Automatic Voltage Regulation (AVR)** Corrects undervoltages as low as 75V and overvoltages as high as 147V without drawing battery backup power

### Highlights

- Supports a half-load (450W) up to 12 min. during power outage
- Supports a full load (900W) up to 4 min. during power outage
- Features 8 protected NEMA 5-15R outlets
- Offers automatic voltage regulation (AVR)
- Extends runtime with optional BP24V15RT2U external battery pack

### Package Includes

- SMART1500LCDXL SmartPro LCD 120V 1500VA/900W Line-Interactive UPS
- USB cable
- DB9 serial cable
- Telephone cable
- Mounting hardware
- Owner's Manual

**Rotatable LCD Status Screen** Large LCD screen shows real-time input voltage, load, AVR and battery statuses Automatically displays remaining battery runtime in minutes during power outage Rotates for easy viewing in both horizontal and vertical installations Brightness control offers bright and dim selection options

**AC Line, Tel/DSL and Ethernet Surge Suppression** Surge suppression rating of 1038 joules protects connected equipment and data from harmful power surges Built-in RJ-45 jacks protect single-line tel/DSL or network Ethernet connection

**EMI/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 [triplite.eaton.com/products/power-alert](http://triplite.eaton.com/products/power-alert)

**Flexible Installation Options** Space-saving NEMA 5-15P right-angle plug with 6-ft. (1.83 m) cord connects to any NEMA 5-15R socket Adapts to vertical or horizontal installation without special hardware Includes 2U brackets for rack-mount installation

## Specifications

OVERVIEW	
UPC Code	037332159885
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	8.6A
Nominal Input Voltage(s) Supported	110V AC; 115V AC; 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%
Output Voltage Regulation (Battery Mode)	+/- 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.)	4.18 min. (900W)
Runtime Half Load (min.)	12 min. (450W)
Expandable Runtime	Yes
Expandable Runtime Description	Extended runtime supported via optional external battery pack (limit 1)
External Battery Pack Compatibility	&nbsp;<a class="productLink" href="//tripplite.eaton.com/External-24V-2U-Rack-Tower-Battery-Pack-for-select-Tripp-Lite-UPS-Systems-BP24V15RT2U">BP24V15RT2U</a>&nbsp; (limit 1)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Battery Access	Battery access door enables hot-swappable, user replaceable internal battery
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;
<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	LCD interface reports Input Voltage, Output Voltage, Battery Charge Percentage, Estimated Runtime in Minutes, Load Percentage, Load Watts; Additional LCD icons report battery charge level (5 "bars"), Line Power Mode, Battery Mode, Replace Battery and Auto-Voltage Regulation / AVR status; LCD interface control options include Alarm Disable, Display Scrolling, Initiate Self-test, LCD brightness, External Battery setting and line sensitivity
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
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 and low-battery conditions; Alarm can be permanently silenced via LCD interface
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	1038
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
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
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)	439
Shipping Dimensions (hwd / in.)	7.40 x 15.00 x 21.20
Shipping Dimensions (hwd / cm)	18.80 x 38.10 x 53.85
Shipping Weight (lbs.)	33.20
Shipping Weight (kg)	15.06
UPS Housing Material	Polycarbonate
UPS Power Module Dimensions (hwd, cm)	8.89 x 43.94 x 26.67
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.3 x 10.5
UPS Power Module Weight (kg)	13.34
UPS Power Module Weight (lbs.)	29.4
Unit Dimensions (hwd / in.)	3.500 x 17.250 x 10.500
Unit Weight (lbs.)	30.000
Unit Weight (kg)	13.61
<b>ENVIRONMENTAL</b>	

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
Battery Mode BTU / Hr. (Full Load)	721
AC Mode Efficiency Rating (100% Load)	97%
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 port also supports contact-closure messaging for power-fail (pins 1 & 9) and power-restored (pins 1, 8)
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 UPS Tools (NUT) Compatibility	NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at <a href="https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite">https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite</a>
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 / 3 milliseconds 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)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty
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 &nbsp;<a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a> &nbsp;