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

MODEL NUMBER: **SMART1500LCD**

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
- Features 8 protected NEMA 5-15R outlets
- Offers automatic voltage regulation (AVR)
- LCD screen reports real-time UPS and power status

Package Includes

- SMART1500LCD SmartPro LCD 120V 1500VA/900W Line-Interactive UPS
- USB cable
- DB9 serial cable
- Telephone cable
- Mounting hardware
- Owner's Manual

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

NEMA 5-15P plug with 6-foot 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

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

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

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 www.tripplite.com/poweralert

Flexible Installation Options

- NEMA 5-15P plug with 6-foot 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

MODEL TEXT

Key Benefit	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.

OUTPUT

Output Volt Amp Capacity (VA)	1500
Output kVA Capacity (kVA)	1.5
Output Watt Capacity (Watts)	900
Nominal Output Voltage(s) Supported	115V; 120V
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	115V (+/- 5%)
Output Receptacles	(8) 5-15R
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave

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

BATTERY

Full Load Runtime (min.)	4.4 min. (900w)
Half Load Runtime (min.)	11.8 min. (450w)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4.1 hours from 10% to 90%
Expandable Runtime	No

VOLTAGE REGULATION	
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%

USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Numeric 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 and line sensitivity settings
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; dimmer switch controls LCD brightness
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
LED Indicators	Front panel LCD display

SURGE / NOISE SUPPRESSION	
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	Dataline suppression is compatible with POE appliations
EMI / RFI AC Noise Suppression	Yes

PHYSICAL	
Included Mounting Accessory Description	Pair of mounting ears enable tower and 2-4 post rackmount installation; Set of 4 rubber-feet enable no-slip horizontal desktop placement
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 4 post 19 inch rackmount; Tower
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.25 x 10.5
UPS Power Module Dimensions (hwd, cm)	8.89 x 43.82 x 26.67
Rack Height (U Spaces)	2
Minimum Required Rack Depth (inches)	13.5
Minimum Required Rack Depth (cm)	34.29
UPS Power Module Weight (lbs.)	30

UPS Power Module Weight (kg)	13.61
UPS Shipping Dimensions (hwd / in.)	7.5 x 15 x 21.5
UPS Shipping Dimensions (hwd / cm)	19.05 x 38.10 x 54.61
Shipping Weight (lbs.)	32.9
Shipping Weight (kg)	14.9
Cooling Method	Fan
UPS Housing Material	ABS
Minimum Required Rack Depth (mm)	343
Primary UPS Height (mm)	89
Primary UPS Width (mm)	438
Primary UPS Depth (mm)	267
Shipping Height (mm)	190
Shipping Width (mm)	381
Shipping Depth (mm)	546

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	Up to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	78
AC Mode Efficiency Rating (100% Load)	97%
Operating Elevation (ft.)	0-10,000
Audible Noise	26.3 dBA at front-side 1m
Operating Elevation (m)	0-3,000

COMMUNICATIONS

Communications Interface	Contact closure; DB9 Serial; USB (HID enabled)
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure messaging for AC Present (pins 1 and 9 connected) and AC Fail (pins 1 and 8 connected)
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 Serial cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

LINE / BATTERY TRANSFER	
Transfer Time	3-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	75
High Voltage Transfer to Battery Power (Setpoint)	147

SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS

CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico)
UPS Certification Details	FCC Part 68 Certification Number 5WSWP00B001; Industry Canada Certification Number 3449-001, REN: 0.1

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 Ultimate Lifetime Insurance

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Tripp Lite](#):
  [SMART1500LCD](#)