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%
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

BATTERY	
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	RBC1500
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

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	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

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	168 joules; Compatible with POE applications
EMI / RFI AC Noise Suppression	Yes

PHYSICAL	
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

ENVIRONMENTAL	
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	0-6562 ft. (0-2000 m)

COMMUNICATIONS

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 https://tripplite.eaton.com/products/power-alert
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)

LINE / BATTERY TRANSFER

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

FEATURES & SPECIFICATIONS

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

APPLICATIONS

UPS Applications	Home/Office Desktop; Audio/Video; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality

STANDARDS & COMPLIANCE

Product Certifications	CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; FCC Part 15 Class B (USA)

WARRANTY & SUPPORT

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