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.

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

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 4.2 minutes of support at full load (900W). You can get even more runtime by connecting an optional BP24V15RT2U external battery pack (sold separately).
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 six-foot (1.8 meters) 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 PowerAlert® software (available via free download), the SMART1500LCDXL enables safe unattended system shutdown 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 electronicsSupports 50% load (450W) up to 12 minutes and full load (900W) up to 4.18 minutes97% full-load efficiency rating saves money in energy costsAudible alarm indicates loss of utility power, low battery and overload conditionsOptional BP24V15RT2U external battery pack easily connects for expanded runtime

Optimized Outlets8 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 shows real-time input voltage, load, AVR and battery statusesAutomatically displays remaining battery runtime in minutes during power outageRotates for easy

viewing in both horizontal and vertical installationsBrightness 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 surgesBuilt-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 SoftwareHID-compliant USB port integrates with built-in power management and auto-shutdown of Windows and macOSUSB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.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 socketAdapts to vertical or horizontal installation without special hardwareIncludes 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
BATTERY	
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	BP24V15RT2U (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	RBC1500
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	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
SURGE / NOISE SUPPRESSION	
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
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
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.)	7.80 x 21.77 x 15.28
Shipping Dimensions (hwd / cm)	19.81 x 55.30 x 38.81
Shipping Weight (lbs.)	36.00
Shipping Weight (kg)	16.33
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
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)	97%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	721
Operating Elevation	0-6562 ft. (0-2000 m)
COMMUNICATIONS	
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 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 UPS Tools (NUT) Compatibility	NUT compatible. See a full list of NUT compatible Tripp Lite UPS systems at https://networkupstools.org/stable-hcl.html?manufacturer=Tripp%20Lite
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 / 3 milliseconds 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 (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 Ultimate Lifetime Insurance

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