SmartPro LCD 120V 1200VA 700W Line-Interactive UPS, AVR, 2U Rack/Tower, LCD, USB, DB9 Serial, 8 Outlets, TAA

MODEL NUMBER: **SMART1200LCD**



Provides reliable 1200VA/700W power protection 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 (350W) up to 14.3 min. during power outage
- Supports a full load (700W) up to 4.0 min. during power outage
- High 97% 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

- SMART1200LCD UPS
- USB cable
- DB9 serial cable
- Telephone cable
- Mounting hardware
- Owner’s Manual

Description

The SMART1200LCD SmartPro® LCD 120V 1200VA/700W 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 14.3 minutes of UPS battery support at half load (350W) and 4.0 minutes of support at full load (700W). 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 six-foot (1.8 meters) cord connects to any NEMA 5-15R socket. Large rotatable LCD screen shows real-time input voltage, overload, AVR and battery statuses at a glance. Alarm sounds to indicate power loss or low battery. With free PowerAlert® software (available via free web download), the SMART1200LCD enables safe unattended system shutdown and file saves in case of a prolonged power failure.

Features

Reliable Battery Backup

- Provides 1200VA/700W high-performance power protection for desktop computers, audio/video components, media centers and other electronics
- Supports 50% load (350W) up to 12 minutes and full load (700W) up to 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

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, overload, AVR and battery statuses
- Rotates for easy viewing in both horizontal and vertical installations
- Dimmer option controls brightness level

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 macOS
- USB and DB9 serial ports work with PowerAlert software (available for free download at tripplite.eaton.com/products/power-alert) to enable safe, unattended system shutdown and file saves during prolonged power failure
- 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 without special hardware
- Includes 2U brackets for rack-mount installation

Specifications

OVERVIEW	
UPC Code	037332126122
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	7A
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
Maximum Input Amps	7
OUTPUT	
Output Capacity (VA)	1200
Output Capacity (kVA)	1.2
Output Capacity (Watts)	700
Output Capacity (kW)	0.7
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 min. (700W)
Runtime Half Load (min.)	14.3 min. (350W)
Expandable Runtime	No
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	RBC1500
Battery Replacement Description	IMPORTANT BATTERY REPLACEMENT INFORMATION > If your SMART1200LCD UPS has no battery replacement door, please contact a local electronics repair technician to source and install a matching replacement battery; If your SMART1200LCD UPS is equipped with a battery access door, please order Tripp Lite RBC1500 (quantity 1) replacement battery
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 92 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 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
AC Suppression Joule Rating	870
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	2U
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)	440
Shipping Dimensions (hwd / in.)	7.30 x 15.10 x 21.30
Shipping Dimensions (hwd / cm)	18.54 x 38.35 x 54.10
Shipping Weight (lbs.)	28.50
Shipping Weight (kg)	12.93
UPS Housing Material	ABS
UPS Power Module Dimensions (hwd, cm)	8.86 x 44.02 x 26.67

UPS Power Module Dimensions (hwd, in.)	3.49 x 17.33 x 10.5
UPS Power Module Weight (kg)	12.05
UPS Power Module Weight (lbs.)	26.56
Unit Weight (lbs.)	25.4000
Unit Weight (kg)	11.52
Mounting Details	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
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)	80
AC Mode Efficiency Rating (100% Load)	97%
Operating Elevation	0-6562 ft. (0-2000 m)
Audible Noise	2000
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); Trade Agreements Act (TAA)
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

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