Tripp Lite
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ECO Series 120V 650VA 325W Energy-Saving Standby UPS with USB port, LCD Display and 8 Outlets

MODEL NUMBER: **ECO650LCD**







Highlights

- 650VA ultra-compact 120V standby UPS, LCD status and control display
- Maintains AC output during power failures, 99% line mode efficiency
- ECO option turns off set of three outlets when the computer is not in use
- USB port, TEL/DSL protection, Wall mountable, Surge-only outlets
- NEMA 5-15P input plug and 8 NEMA 5-15R outlets
- **This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment**

Package Includes

- ECO650LCD UPS System
- USB cable
- Instruction manual

Description

The ECO650LCD ultra-compact green UPS offers complete protection from blackouts, voltage fluctuations and transient surges. Interactive LCD user interface offers detailed UPS and site electrical data, including input/output voltage, estimated runtime remaining, load percentage, load wattage and battery charge level. Energy saving ECO outlets give users the option to automatically power off unused desktop accessories like a printer and audio speakers as the computer connected via USB goes to low-power sleep or shutdown modes. 99% full load efficiency rating offers energy savings and cool operating temperatures. Green eco-friendly design meets strict RoHS environmental standards. Provides uninterruptible transfer to battery derived AC output during power failures and voltage fluctuations with enough runtime to save and shutdown connected equipment without data loss. Space saving, ultra-compact desktop or wall mount compatible housing. Includes 4 battery supported outlets for computer, monitor and two vital system accessories, plus 4 additional surge suppression-only outlets for accessories not requiring battery support. Three surge-only outlets marked “ECO” can be configured to automatically power-off within 3 minutes of the connected computer entering sleep or shutdown mode. USB port monitors computer power status for ECO power savings and enables direct integration with built-in power management and auto-shutdown features of Windows and Mac OS X. PowerAlert software is also available via free download from www.tripplite.com to provide advanced auto-shutdown, UPS monitoring and data saving options. USB cable included. Built-in single line RJ11 phone suppression protects modem, fax machine, cordless phone or other accessories with a dial-up/DSL phone connection. Built-in interactive LCD screen offers continuous power and UPS status information. Audible alarm warns of power failure conditions. Self-test, display brightness, alarm disable and LCD information display scrolling options are controllable via interactive LCD user interface. 650VA / 325 watt UPS capacity supports a 100 watt entry-level PC with small monitor for up to 10 minutes during power fail conditions. $100,000 connected equipment insurance (USA, Puerto Rico, & Canada Only).

Features

- ECO650LCD power saving, green UPS offers complete protection from blackouts, voltage fluctuations and transient surges
- Interactive LCD user interface with scroll and select buttons offer detailed UPS status and control options
- LCD screen options support continuous display of Input voltage, Output voltage, Estimated runtime, Load percentage, Load wattage and Battery charge percentage - with the option to continuously scroll all six information fields
- LCD screen with scroll and select functions also gives users the ability to enable and disable specific UPS features, such as the ECO energy-saving

feature, permanent alarm silence, LCD brightness, information display scroll functions and UPS self-test operation

- Set of 3 optional ECO outlets automatically power off unnecessary computer accessories like a printer, scanner and audio speakers three minutes after computer enters sleep or shutdown mode
- Full load efficiency rating of 99% saves energy and ensures cool operating temperatures
- ECO650LCD emits only 17 BTU/hr. and consumes less than 4 watts once the battery is charged
- Eco-friendly design meets strict RoHS (Restriction of Hazardous Substances) environmental standards
- 650VA / 325 watts provides battery-derived AC output during power failures and severe voltage fluctuations to support a 100w entry level PC with small monitor for up to 10 minutes
- Ultra compact UPS supports a variety of placement options for desktop or wall mount installation
- Includes 4 UPS supported outlets for computer, monitor and two additional vital system peripherals requiring continuous power
- Includes 4 Surge-only outlets for accessories not requiring battery support
- Three of the Surge-only outlets are designated ECO outlets that can be configured to automatically power-off three minutes the connected computer enters low power standby or shutdown mode
- USB port monitors computer power status for ECO power savings and enables direct integration with built-in power management and auto-shutdown features of Windows and Mac OS X
- PowerAlert software is also available via free download from www.tripplite.com to provide advanced auto-shutdown, UPS monitoring and data saving options
- Single line RJ11 phone suppression jacks protect modem, fax machine, cordless phone or other accessories from surges on dial-up/DSL phone connections
- USB cable included
- Space-saving right angle input plug
- Optional PDUB15 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- $100,000 connected equipment insurance (USA, Puerto Rico and Canada only)

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	650
Output Watt Capacity (Watts)	325
Nominal Output Voltage(s) Supported	115V; 120V
Frequency Compatibility	60 Hz
Output Voltage Regulation (Battery Mode)	115V (+/- 5%)
Output Receptacles	(8) 5-15R
UPS Output Receptacles (Surge Suppression Only)	4 UPS outlets, 4 surge-only outlets
Hot-Swap PDU options	PDUB15 (2U / 8 5-15R outlets)
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
INPUT	

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Rated input current (Maximum Load)	10A
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	
Half Load Runtime (min.)	5.3 min. (160w)
DC System Voltage (VDC)	12
LEDS ALARMS & SWITCHES	
Front Panel LCD Display	Front panel LCD reports Input voltage, Output voltage, Estimated runtime, Load percentage, Load wattage and Battery charge percentage; Also supports configuration of ECO energy-saving feature, alarm silence mode, LCD brightness, information display scrolling and UPS self-test operation
Audible Alarm	Audible alarm indicates power-failure and overload status
Alarm Cancel Operation	Alarm-cancel switch temporarily silences alarm during a power failure; Silent-alarm mode setting is available as an LCD settable option
Switches	Set of two switches offers complete UPS control; ON / OFF / MODE switch offers UPS power off/on control and LCD screen mode selection; MUTE / SELECT button momentarily silences alarm during a power failure and value selection for LCD interface options
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	420
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out)
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Installation Form Factors Supported with Included Accessories	Tower; Ultra-compact desktop
Primary Form Factor	Desktop
UPS Power Module Dimensions (hwd, in.)	3.5 x 10.75 x 5.75
UPS Power Module Dimensions (hwd, cm)	8.9 x 27.3 x 14.6
UPS Power Module Weight (lbs.)	4.8
UPS Power Module Weight (kg)	2.2

UPS Shipping Dimensions (hwd / in.)	4.25 x 13 x 8
UPS Shipping Dimensions (hwd / cm)	10.8 x 33 x 20.3
Shipping Weight (lbs.)	5.6
Shipping Weight (kg)	2.5
UPS Housing Material	Plastic
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	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	17
AC Mode Efficiency Rating (100% Load)	99%
COMMUNICATIONS	
Communications Interface	USB (HID enabled)
PowerAlert Software	Free download from www.tripplite.com
Communications Cable	USB interface cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network UPS Tools Compatibility	NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite
LINE / BATTERY TRANSFER	
Transfer Time	AC to battery mode: 6 milliseconds / Battery to AC mode: 3 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	99
High Voltage Transfer to Battery Power (Setpoint)	139
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; Power saving auto-shutoff ECO outlets
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI); Meets FCC Part 68 / Industrie Canada (telecommunications); ROHS (Restriction of Hazardous Substances); ENERGY STAR Qualified
WARRANTY	

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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)	$100,000 Ultimate Lifetime Insurance

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