Line-Interactive UPS with USB and 8 Outlets - 120V, 1000VA, 600W, 50/60 Hz, AVR, ECO Series

MODEL NUMBER: **ECO1000LCD**







Line-interactive UPS provides energy-efficient battery backup with AVR protection for your desktop computer and home theater system.

Features

Energy-Saving 1000VA/600W USB Battery Backup for PCs or Home Theater Systems
This 120V line-interactive AVR UPS system provides reliable battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable electronics or destroy data. The 8-outlet UPS is ideal protection for your home office or media center components, including computers, routers, printers, NAS drives, HDTVs, Blu-ray players, game consoles, media players, DVRs and audio receivers.
Allows Time to Back Up Critical Files During a Blackout
Backup support allows you to work through short power failures, and gives you enough time to safely save files and shut down your system in case of a prolonged blackout. Backup time varies according to load, but the line-interactive UPS system should keep an energy-efficient desktop computer with LCD monitor powered as long as 40 minutes. During normal operation, incoming utility power keeps the UPS battery fully charged, so backup power will always be available. The hot-swappable internal batteries can be replaced by the user.
Connects Your Equipment to 8 NEMA 5-15R Outlets
Four 5-15R outlets provide both battery backup and surge protection for your computer, monitor and other crucial components. The other four 5-15R outlets are surge-protected only for printers, scanners and other non-essential equipment. Four outlets—two battery/surge and two surge-only—are spaced apart from the others to accommodate bulky transformers. Three are ECO outlets designed to save you money and protect the environment (see below).
ENERGY STAR-Certified to Help You Save Money and Protect the Environment
By meeting strict EPA efficiency guidelines, this ENERGY STAR-certified UPS system helps you save money and energy. An ECO power-saving option features three ECO outlets—two surge-only, one surge- and battery-protected—that turn off automatically when the device connected to the Battery Backup Master Outlet is powered down or in sleep mode. These outlets are recommended for printers, desk lamps and other non-essential peripherals that don't need to be operational all the time.
Even Backs up Essential Data When You Aren't Around
Use the included USB cable to connect the USB-B port to your computer. Working with free downloadable PowerAlert® software, this optional feature can enable safe unattended system shutdown and file saves in the event of a prolonged power failure when you aren't around.
Automatic Voltage Regulation (AVR) Corrects Low-Voltage Conditions
AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts. The ECO1000LCD can correct brownouts as low as 86V back to nominal 120V power without drawing on the battery backup needed to support your equipment during a blackout.
316 Joules Fight Back Against Unexpected Power Surges
A 316-joule surge suppression rating protects connected components from the harmful effects of power surges. Dual network data line surge suppression jacks protect a wired peripheral from dangerous surges

Highlights

- Protects valuable equipment from dangers posed by brownouts, surges and line noise
- Battery backup allows enough time to save files and safely shut down during blackouts
- 8 NEMA 5-15R outlets provide power to desktop PC or home theater systems
- Highly efficient UPS includes 3 ECO outlets, to help you save energy and money
- Easy-to-read digital display reports important UPS and power information in real time

Applications

- Protect your PC and other sensitive electronics against power surges, brownouts and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down PCs, DVRs, routers and other equipment without data loss during long-term power outages
- Turn off outlets connected to printers, desk lamps and other non-essential devices when not in use to save energy

Package Includes

- ECO1000LCD ECO LCD 120V 1000VA 600W Line-Interactive UPS
- USB cable
- Owner's manual

on a single 10/100Base-T or dial-up network connection.

USB Charging Ports Keep Mobile Devices Fully Powered for Immediate Use

Two 5V USB ports share 2.1 amps of maximum charge current for charging smartphones, tablets, MP3 players and other essential mobile devices compatible with USB chargers. These ports are intended only for USB charging, which is available when the UPS system is turned on and receiving utility power.

Combats Electromagnetic Interference That Can Harm Equipment

Various electromagnetic and radio sources found in virtually every home and business can cause disruptive interference on the AC line. Known as EMI (electromagnetic interference) and RFI (radio frequency interference), this line noise is a common cause of performance problems and can lead to incremental hardware damage, data corruption and audio/video transmission problems. The ECO1000LCD incorporates technology that filters out disruptive line noise so that it won't affect your equipment.

Easy-to-Read LCD Reports Real-Time UPS and Power Status

The front-panel LCD displays a variety of UPS and site electrical conditions, including UPS operating mode, voltage, frequency, load level, battery charge level, wiring fault and estimated runtime remaining. A built-in audible alarm sounds to warn you of a low battery or overload conditions.

Tower Form Factor for Easy Placement in Your Workspace or Media Center

The long-lasting ABS housing fits easily on a desktop, shelf or anywhere else convenient to your workstation or home theater. The six-foot power cord connects to a properly grounded AC wall outlet. The right-angle NEMA 5-15P plug allows easier connection in tight spaces.

Specifications

OVERVIEW	
UPC Code	037332205148
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	12A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	15A
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
OUTPUT	
Output Capacity (VA)	1000
Output Capacity (kVA)	1
Output Capacity (Watts)	600
Output Capacity (kW)	0.6
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection

Output Voltage Regulation (Line Mode)	120V (+18% / -13%)
Output Voltage Regulation (Battery Mode)	120V (±10%)
UPS Output Receptacles (Surge Suppression Only)	4 UPS outlets, 4 surge-only outlets
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.)	2 min. (600W)
Runtime Half Load (min.)	7 min. (300W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	7 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	RBC51
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation during brownouts as low as 86V (60Hz operation) / 105V (50Hz operation)
Undervoltage Correction	Input voltages between 86 and 105 are boosted by 23% (60Hz operation only)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	LCD screen offers detailed UPS status information, configuration options and error message reporting; STATUS INFORMATION input voltage, output voltage, input frequency, output frequency, load in VA, load in watts, battery charge level (4 bar graph), estimated runtime remaining (minutes) and UPS operating mode; CONFIGURATION OPTIONS Eco-mode off/on, alarm disable; ERROR MESSAGES Replace battery, overload and critical fault (see manual for complete listing)
Switches	ON / OFF / TEST Button offers power control and self-test operation; MUTE Button enables alarm-cancel and silent-mode opeation; SELECT Button is used to toggle LCD condition displays
Alarm Cancel Operation	Temporary alarm cancel and silent-mode operation is available using front-panel MUTE button (see manual)
Audible Alarm	Audible alarm indicates low battery, fault, overload and replace battery condition warnings
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	316
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	Tower
Cooling Method	Convection
Installation Form Factors Supported with Included Accessories	Tower
Primary UPS Depth (mm)	288
Primary UPS Height (mm)	279
Primary UPS Width (mm)	99
Shipping Dimensions (hwd / in.)	7.10 x 14.60 x 14.70
Shipping Dimensions (hwd / cm)	18.03 x 37.08 x 37.34
Shipping Weight (lbs.)	20.20
Shipping Weight (kg)	9.16
UPS Housing Material	ABS
UPS Power Module Dimensions (hwd, in.)	11 x 3.9 x 11.33
UPS Power Module Weight (kg)	8.35
UPS Power Module Weight (lbs.)	18.4
Unit Weight (lbs.)	18.4000
Unit Weight (kg)	8.35
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)	98
AC Mode Efficiency Rating (100% Load)	96%
COMMUNICATIONS	
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
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 cable 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	USB (HID enabled)

LINE / BATTERY TRANSFER	
Transfer Time	6 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	86V during 60Hz operation (105V during 50Hz operation)
High Voltage Transfer to Battery Power (Setpoint)	142V
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Yes
High Availability UPS Features	Automatic Voltage Regulation (AVR); Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Power saving auto-shutoff ECO outlets
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; ENERGY STAR Qualified; 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

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