# 650VA 325W Standby UPS - 10 NEMA 5-15R Outlets, 120V, 50/60 Hz, 5-15P Plug, ENERGY STAR, Desktop/Wall

MODEL NUMBER: **ECO650UPSM**







Compact desktop UPS provides battery backup support for your home/office network system, home theater or digital signage components.

## Features

**Energy-Saving 650VA/325W/120V Battery Backup for PCs, Home Theater and Digital Signage**
The standby ECO650UPSM 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 10-outlet 120V battery backup is ideal protection for your home office, media center or professional kiosk, security and small-business phone applications, including computers, routers, printers, HDTVs, Blu-ray players, game consoles, ATMs, security systems and digital signage equipment.

**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 ECO650UPSM should keep an energy-efficient desktop computer with small LCD monitor powered as long as 16 minutes. During normal operation, incoming utility power keeps the replaceable internal battery fully charged, so backup power will always be available.

**10 NEMA 5-15R Outlets Protect Your Connected Components**
Five 5-15R outlets provide battery backup and surge protection for your computer, monitor and other crucial components. The other five 5-15R outlets provide surge suppression only for printers, speakers and other desktop equipment regarded as non-essential during a blackout.

**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 switched 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.

**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 jacks protect a wired peripheral from dangerous surges on a single 10/100Base-T or dial-up network connection.

**HID-Compliant USB Port Allows for Automatic Saves and Shutdowns**

## 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
- 10 NEMA 5-15R outlets power and protect PC, home theater or digital signage equipment
- Home-friendly alarm remains silent in backup mode, sounding only when imperative
- ENERGY STAR-certified to save electricity, lower costs, and protect the environment

## Applications

- Protect your PC and other sensitive electronics against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs 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

- ECO650UPSM 650VA 325W 120V Standby ECO UPS with 10 Outlets
- USB cable
- Owner's manual

This USB port connects the ECO650UPSM to a computer running free downloadable PowerAlert® software to enable safe unattended file saves and system shutdown in case of a prolonged power failure. USB cable is included.

**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 ECO650UPSM incorporates technology that filters out disruptive line noise so that it won't affect your equipment.

**Home-Friendly Alarm and Diagnostic LEDs Keep You Informed 24/7**
The UPS remains silent in both line and battery backup modes. The alarm sounds only to warn you of a low battery, overload or fault condition. A front-panel green LED indicates operating mode, ECO mode and fault status.

**Compact Housing Compatible with Easy Desktop or Wall-Mount Installation**
The space-saving ABS housing fits on a desktop, shelf or anywhere else convenient to your workstation or home theater. Keyhole mounting tabs on the rear allow easy wall-mount installation. The five-foot power cord with NEMA 5-15P plug connects to any compatible AC outlet.

# Specifications

| | |
|---|---|
| **OVERVIEW** | |
| UPC Code | 037332211071 |
| UPS Type | Standby |
| **INPUT** | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 6A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 7A |
| UPS Input Cord Length (ft.) | 5 |
| UPS Input Cord Length (m) | 1.5 |
| Recommended Electrical Service | 15A 120V |
| **OUTPUT** | |
| Output Capacity (VA) | 650 |
| Output Capacity (kVA) | 0.65 |
| Output Capacity (Watts) | 325 |
| Output Capacity (kW) | 0.325 |
| Output Capacity Details | 4.6A @ 120V. (LINE MODE) 110%+/- 10% @ 5 minutes; (BATTERY MODE) 110% +/- 10% @ 5 seconds |
| Nominal Voltage Details | 120V sinusoidal in line mode and 120V PWM in battery mode |

| | |
|---|---|
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal. |
| Output Voltage Regulation (Line Mode) | 120V (+6%/-12%) |
| Output Voltage Regulation (Battery Mode) | 120V (±10%) |
| UPS Output Receptacles (Surge Suppression Only) | 5 UPS outlets, 5 surge-only outlets |
| Load Management Receptacles | The ECO Energy-Saving option will automatically POWER OFF three designated ECO outlets when the device connected to the MASTER load-sensing outlet is turned off (after approximately 3 minutes); ECO outlets will immediately POWER ON when the device connected to the MASTER load-sensing outlet begins consuming 23 watts or more (see manual) |
| Hot-Swap PDU options | PDUB15 (2U / 8 5-15R outlets) |
| Output AC Waveform (AC Mode) | Pure sine wave |
| Output AC Waveform (Battery Mode) | PWM sine wave |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |
| Output Receptacles | (10) 5-15R |
| Individually Controllable Load Banks | No |
| **BATTERY** | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 1 min. (325W) |
| Runtime Half Load (min.) | 4.5 min. (163W) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 12 |
| Battery Recharge Rate (Included Batteries) | 6.5 hours (10% to 90%) |
| Battery Access | Battery access door |
| Internal UPS Replacement Battery Cartridge | IMPORTANT BATTERY REPLACEMENT INFORMATION > If your ECO650UPSM has no battery access door, please contact a local electronics repair technician to source and install a matching replacement battery; If your ECO650UPSM does have a battery replacement door and the original battery inside has a rating of 12V 3.6AH, please order Tripp Lite # <a class="productLink" href="//tripplite.eaton.com/UPS-Replacement-Battery-Cartridge-for-Select-Tripp-Lite-AVR550U-AVRX550U-UPS-Systems-12V~RBC36H">RBC36H</a>  replacement battery |
| Battery Replacement Description | Replaceable internal batteries (see manual) |
| **VOLTAGE REGULATION** | |
| Voltage Regulation Description | Input voltage range of 90 to 145 |
| **USER INTERFACE, ALERTS & CONTROLS** | |
| Switches | Switch controls power off/on status and ECO mode off/on status |
| Audible Alarm | UPS remains silent in battery backup mode; Alarm sounds only to report low-battery, fault, overload and replace-battery conditions |

| | |
|---|---|
| LED Indicators | 1 Status LED reports operating mode, ECO mode and fault status |
| **SURGE / NOISE SUPPRESSION** | |
| UPS AC Suppression Joule Rating | 316 |
| UPS AC Suppression Response Time | Instantaneous |
| UPS Dataline Suppression | 1 line TEL/DSL or Ethernet |
| EMI / RFI AC Noise Suppression | Yes |
| **PHYSICAL** | |
| Primary Form Factor | Desktop |
| Installation Form Factors Supported with Included Accessories | Tower; Ultra-compact desktop; Wallmount |
| Primary UPS Depth (mm) | 185 |
| Primary UPS Height (mm) | 105 |
| Primary UPS Width (mm) | 110 |
| Shipping Dimensions (hwd / in.) | 7.37 x 5.67 x 10.86 |
| Shipping Dimensions (hwd / cm) | 18.72 x 14.40 x 27.58 |
| Shipping Weight (lbs.) | 4.40 |
| Shipping Weight (kg) | 2.00 |
| UPS Housing Material | ABS |
| UPS Power Module Dimensions (hwd, cm) | 10.49 x 11.00 x 18.49 |
| UPS Power Module Dimensions (hwd, in.) | 4.13 x 4.33 x 7.28 |
| UPS Power Module Weight (kg) | 1.80 |
| UPS Power Module Weight (lbs.) | 3.96 |
| Unit Weight (lbs.) | 3.960 |
| Unit Weight (kg) | 1.80 |
| **ENVIRONMENTAL** | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | 5° to 113°F (-15° to 45°C ) |
| Relative Humidity | 0 to 90%, non-condensing |
| AC Mode BTU / Hr. (Full Load) | 13.1 |
| AC Mode Efficiency Rating (100% Load) | >98% |
| Operating Elevation | 0-10000 ft. (0-3000 m) |
| **COMMUNICATIONS** | |

| | |
|---|---|
| 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 interface 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 typical (10 milliseconds max) |
| Low Voltage Transfer to Battery Power (Setpoint) | 95 |
| High Voltage Transfer to Battery Power (Setpoint) | 145 |
| **FEATURES & SPECIFICATIONS** | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Surge/noise protection |
| Green Energy-Saving Features | Greater than 95% efficiency - GREEN UPS; Power saving auto-shutoff ECO outlets |
| **APPLICATIONS** | |
| UPS Applications | Computer/Peripherals; Retail/Point of Sale; Hospitality |
| **STANDARDS & COMPLIANCE** | |
| Product Certifications | RETIE (Colombia); 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) | $100,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>  |

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

© 2024 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks are the property of their respective owners.