# OmniSmart 120V 750VA 500W Line-Interactive UPS, Tower, Built-In Isolation Transformer, USB port

MODEL NUMBER: **OMNI750ISO**






## Highlights

- 750VA tower 120V line interactive UPS with isolation transformer
- Corrects brownouts and overvoltages from 81V to 143V
- USB port, Normal and common mode EMI/RFI line noise immunity
- NEMA 5-15P input plug and 6 5-15R outlets

## Package Includes

- OMNI750ISO UPS system
- USB cable
- Instruction manual

## Description

OMNI750ISO offers complete UPS protection with built-in line-interactive voltage regulation, intelligent monitoring and unattended shutdown capability. Built-in isolation transformer with Faraday shield offers full isolation and complete common mode noise rejection. 750VA power-handling capacity supports point-of-sale applications, computers, internetworking equipment and home theater systems during commercial power failures. Line-interactive voltage regulation corrects brownouts as low as 81V and overvoltages as high as 143V back to normal 120V levels, saving battery power for use during complete power failures. Built-in USB communications port works with PowerAlert® software and cabling to provide automatic unattended shutdown of connected network and PC applications.

## Features

- 750VA line-interactive UPS with Faraday-shielded, low-impedance isolation transformer delivers full isolation from potential damage and performance problems
- Provides immunity from EMI/RFI line noise in both normal and common modes. Delivers clean signal-reference ground, reducing data errors and audio/video distortion
- Automatic voltage regulation (AVR) automatically corrects incoming voltage to keep equipment working through low voltage (brownouts) as low as 81V and overvoltages as high as 143V without consuming battery power
- Supports loads up to 750VA/500W
- Offers 31.3 min. battery runtime with a half load of 375VA/250W and 13.5 min. with a full load of 750VA/500 watts
- Electrostatic discharge (ESD) resistance reduces potential static damage to connected electronics
- USB port enables data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Built-in surge suppression (backed by $200,000 Ultimate Lifetime Insurance U.S., Canada, and Puerto Rico only) safeguards connected equipment against damage
- SURGE VOLTAGE WITHSTAND CAPABILITY: ANSI/IEEE C62.41 Catagories A & B 6KV/200/500 amp 100Khz Ringwave and category B BiWave
- SURGE VOLTAGE ATTENUATION: N-G 2000:1, L-G 240:1, L-N 100:1
- INSERTION LOSS: 65 db N-G from 10Khz to 100Khz, 45 to 60 db L-G from 10Khz to 100Khz, 18 to 54 db L-N from 50Khz to 500 Khz
- 6 UPS-supported AC outlets; 6-ft. cord

- 5 diagnostic LEDs indicate AC present, on battery, voltage correction status, overload and battery low/replace
- Optional PDUB15 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment

## Specifications

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| **OVERVIEW** | |
| UPC Code | 037332141309 |
| UPS Type | Line-Interactive |
| **INPUT** | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 5.5A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| UPS Input Cord Length (ft.) | 6 |
| UPS Input Cord Length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |
| **OUTPUT** | |
| Output Capacity (VA) | 750 |
| Output Capacity (kVA) | 0.75 |
| Output Capacity (Watts) | 500 |
| Output Capacity (kW) | 0.5 |
| 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% |
| 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 |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |
| Output Receptacles | (6) 5-15R |
| Individually Controllable Load Banks | No |

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| **BATTERY** | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 13.5 min. (500W) |
| Runtime Half Load (min.) | 31.3 min. (250W) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 36 |
| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% |
| Battery Access | Battery access door |
| Internal UPS Replacement Battery Cartridge |  <a class="productLink" href="//tripplite.eaton.com/UPS-Replacement-Battery-Cartridge-Kit-select-Tripp-Lite-Best-Powerware-Liebert-other-UPS~RBC53">RBC53</a>  |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| **VOLTAGE REGULATION** | |
| Voltage Regulation Description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 81 to 143 |
| Overvoltage Correction | Input voltages between 128 and 143V are reduced by 9% |
| Undervoltage Correction | Input voltages between 97 and 107V are boosted by 10% |
| Severe Undervoltage Correction | Input voltages between 81 and 96V are boosted by 21% |
| **USER INTERFACE, ALERTS & CONTROLS** | |
| 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 |
| LED Indicators | 5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status |
| **ISOLATION** | |
| Output Isolation Transformer | Professional grade load isolation transformer |
| Surge Voltage Withstand Capability | ANSI/IEEE C62.41 Categories A & B 6KV/200/500 amp 100Khz Ringwave and category B BiWave |
| Surge Voltage Attenuation | N-G 2000:1, L-G 240:1, L-N 100:1 |
| **SURGE / NOISE SUPPRESSION** | |
| UPS AC Suppression Joule Rating | 510 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| **PHYSICAL** | |
| Primary Form Factor | Tower |
| Cooling Method | Fan |

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| Installation Form Factors Supported with Included Accessories | Tower |
| Installation Form Factors Supported with Optional Accessories | Wallmount ( <a class="productLink" href="//tripplite.eaton.com/Wall-Mount-Bracket-Installation-Accessories-for-UPS-Systems~UPSWM">UPSWM</a>  - tower mounting kit) |
| Primary UPS Depth (mm) | 234 |
| Primary UPS Height (mm) | 325 |
| Primary UPS Width (mm) | 191 |
| Shipping Dimensions (hwd / in.) | 18.25 x 12.00 x 13.75 |
| Shipping Dimensions (hwd / cm) | 46.36 x 30.48 x 34.92 |
| Shipping Weight (lbs.) | 43.30 |
| Shipping Weight (kg) | 19.64 |
| UPS Housing Material | PVC |
| UPS Power Module Dimensions (hwd, cm) | 32.51 x 19.05 x 23.37 |
| UPS Power Module Dimensions (hwd, in.) | 12.8 x 7.5 x 9.2 |
| UPS Power Module Weight (kg) | 16.51 |
| UPS Power Module Weight (lbs.) | 36.4 |
| Unit Dimensions (hwd / in.) | 12.750 x 7.500 x 9.250 |
| Unit Weight (lbs.) | 36.4000 |
| Unit Weight (kg) | 16.51 |
| **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 | 0 to 95%, non-condensing |
| AC Mode Efficiency Rating (100% Load) | 91% |
| **COMMUNICATIONS** | |
| PowerAlert Software | For local monitoring via the UPS's built-in USB port, 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 |
| Insertion Loss | 65 db N-G from 10Khz to 100Khz, 45 to 60 db L-G from 10Khz to 100Khz, 18 to 54 db L-N from 50Khz to 500 Khz |
| Network Management Card Description | Network management not supported |
| Communications Interface | USB |
| **LINE / BATTERY TRANSFER** | |
| Transfer Time | 2-4 milliseconds |

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| Low Voltage Transfer to Battery Power (Setpoint) | 81 |
| High Voltage Transfer to Battery Power (Setpoint) | 143 |
| **FEATURES & SPECIFICATIONS** | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Hot swappable batteries; Surge/noise protection |
| **APPLICATIONS** | |
| UPS Applications | High-End Desktop/Small Network; Retail/Point of Sale; Hospitality |
| **STANDARDS & COMPLIANCE** | |
| Product Certifications | CSA (Canada); UL 1778 |
| Product Compliance | RoHS; FCC Part 15 Class B (USA) |
| **WARRANTY & SUPPORT** | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | $200,000 <a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>  |

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