

OmniSmart 120V 500VA 300W Line-Interactive UPS, Tower, Built-In Isolation Transformer, USB port

MODEL NUMBER: **OMNI500ISO**



Highlights

- 500VA tower 120V line interactive UPS with isolation transformer
- Corrects brownouts as low as 83V without using battery power
- USB port, Normal & common mode EMI/RFI line noise immunity
- NEMA 5-15P input plug and 3 5-15R outlets

Package Includes

- OMNI500ISO UPS system
- USB cable
- Instruction manual

Description

Tripp Lite's OMNI500ISO 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. 500VA 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 83V back to normal 120V levels, saving battery reserves for use only 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

- 500VA 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 83V, without draining battery power
- Supports loads up to 500VA/300W
- 5.4 min. full-load runtime (300W); 11 min. half load runtime (150W)
- Electrostatic discharge (ESD) resistance reduces potential static damage to connected electronics
- USB port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from triplite.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 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.
- 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.
- 3 protected outlets; 6-ft. cord

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

Specifications

| OVERVIEW | |
|--|-------------------------------------|
| UPC Code | 037332125125 |
| UPS Type | Line-Interactive |
| INPUT | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 4.8A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P; Right-Angled |
| UPS Input Cord Length (ft.) | 6 |
| UPS Input Cord Length (m) | 1.8 |
| Recommended Electrical Service | 15A 120V |
| OUTPUT | |
| Output Capacity (VA) | 500 |
| Output Capacity (kVA) | 0.5 |
| Output Capacity (Watts) | 300 |
| Output Capacity (kW) | 0.3 |
| 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% |
| 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 | (3) 5-15R |
| Individually Controllable Load Banks | No |

| BATTERY | |
|---|--|
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 5.4 min. (300W) |
| Runtime Half Load (min.) | 11 min. (150W) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 12 |
| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% |
| Battery Access | Battery access door |
| Internal UPS Replacement Battery Cartridge | RBC51 |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 83 |
| Undervoltage Correction | Input voltages between 83 and 107 are boosted by 14% |
| 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 | 4 LEDs indicate line power, battery power, overload 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 | 680 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Primary Form Factor | Tower |
| Installation Form Factors Supported with Included Accessories | Tower |

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| Installation Form Factors Supported with Optional Accessories | Wallmount (UPSWM - tower mounting kit) |
| Primary UPS Depth (mm) | 191 |
| Primary UPS Height (mm) | 274 |
| Primary UPS Width (mm) | 132 |
| Shipping Dimensions (hwd / in.) | 14.20 x 10.00 x 8.10 |
| Shipping Dimensions (hwd / cm) | 36.07 x 25.40 x 20.57 |
| Shipping Weight (lbs.) | 22.30 |
| Shipping Weight (kg) | 10.12 |
| UPS Housing Material | PVC |
| UPS Power Module Dimensions (hwd, cm) | 27.43 x 13.21 x 19.05 |
| UPS Power Module Dimensions (hwd, in.) | 10.8 x 5.2 x 7.5 |
| UPS Power Module Weight (kg) | 9.89 |
| UPS Power Module Weight (lbs.) | 21.8 |
| Unit Weight (lbs.) | 21.8000 |
| Unit Weight (kg) | 9.89 |
| 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 |
| Low Voltage Transfer to Battery Power (Setpoint) | 83 |

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|---|--|
| 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 | Hot swappable batteries; Surge/noise protection |
| 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 & Ultimate Lifetime Insurance |