

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
- Built-in USB port and PowerAlert Software(free via web download) provide safe, unattended system shutdown during extended blackouts
- 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

| OUTPUT | |
|--|-------------------------------------|
| Output Volt Amp Capacity (VA) | 500 |
| Output Watt Capacity (Watts) | 300 |
| Power Factor | 0.6 |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |
| 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% |
| Output Receptacles | (3) 5-15R |
| 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 | |
| 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 |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 5.4 min. (300w) |
| Half Load Runtime (min.) | 11 min. (150w) |
| DC System Voltage (VDC) | 12 |
| Battery Recharge Rate (Included Batteries) | Less than 4.5 hours from 10% to 90% |
| Internal UPS Replacement Battery Cartridge | RBC51 |
| Battery Access | Battery access door |

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| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | No |
| 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 |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 680 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| 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 |
| 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 |
| PHYSICAL | |
| Installation Form Factors Supported with Included Accessories | Tower |
| Installation Form Factors Supported with Optional Accessories | Wallmount(UPSWM - tower mounting kit) |
| Primary Form Factor | Tower |
| UPS Power Module Dimensions (hwd, in.) | 10.8 x 5.2 x 7.5 |
| UPS Power Module Dimensions (hwd, cm) | 27.3 x 13.3 x 19 |
| UPS Power Module Weight (lbs.) | 21.8 |
| UPS Power Module Weight (kg) | 9.9 |
| UPS Shipping Dimensions (hwd / in.) | 14 x 8.5 x 11 |

| | |
|---|---|
| UPS Shipping Dimensions (hwd / cm) | 35.6 x 21.6 x 27.9 |
| Shipping Weight (lbs.) | 27 |
| Shipping Weight (kg) | 12.3 |
| UPS Housing Material | PVC |
| 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) | 100.9 |
| Battery Mode BTU / Hr. (Full Load) | 223.9 |
| AC Mode Efficiency Rating (100% Load) | 91% |
| COMMUNICATIONS | |
| Communications Interface | USB |
| PowerAlert Software | Free download from www.tripplite.com |
| Communications Cable | USB cable included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 2-4 milliseconds |
| Low Voltage Transfer to Battery Power (Setpoint) | 83 |
| High Voltage Transfer to Battery Power (Setpoint) | 147 |
| SPECIAL FEATURES | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Hot swappable batteries |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category B (EMI) |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$200,000 Ultimate Lifetime Insurance |