

OmniSmart 500VA Tower Line-Interactive 120V UPS with USB port

MODEL NUMBER: **OMNISMART500**



Highlights

- 500VA tower 120V line-interactive UPS
- Corrects brownouts and overvoltages from 75V to 147V
- 3 UPS battery supported outlets, 3 surge-only outlets
- USB port, TEL/DSL protection, Front panel status LEDs
- NEMA 5-15P input plug and 6 NEMA 5-15R outlets

Package Includes

- OMNI SMART 500 UPS System
- PowerAlert software and cabling
- Instruction manual with warranty information

Description

Tripp Lite's OMNI SMART 500 line interactive UPS system offers voltage regulation, surge suppression and long lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Supports entry level PC systems for up to 30 minutes during power failures so that connected equipment can be shutdown without data loss. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 75 volts and overvoltages as high as 147 back to normal 120V levels without consuming battery power. Offers complete desktop power protection in an attractive black upright tower configuration. Includes 3 battery supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. USB port enables optional unattended system shutdown without data loss in the case of extended power failure, USB cabling and PowerAlert software included. HID-compliant USB port also enables direct integration with built-in power management and auto-shutdown features of Windows and MAC OS X. Built-in dataline protection jacks offer protection of a single dialup phone/DSL line. Built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and overload status. 500VA/300 watt power handling ability supports entry-level PCs, network workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Offers 4 minutes battery runtime with a full load of 500VA/300 watts and 14.6 minutes with a half load of 250VA/150 watts. Supports battery replacement via built-in access panel.

Features

- OMNISMART500 line interactive UPS system offers voltage regulation and battery support, plus complete AC and dialup/DSL line surge suppression
- Supports entry level PC systems for up to 30 minutes during power failures to enable a safe system shutdown
- Supports a maximum load of 500VA/300 watts for 4 minutes and a half load of 250VA/150 watts for 14.6 minutes
- Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 75 volts and overvoltages as high as 147 back to normal 120 volt levels without using battery power
- Attractive black tower configuration
- Includes 3 battery supported outlets, plus 3 additional surge suppression-only outlets, 6 foot AC line cord (all NEMA 5-15)
- Built-in USB port supports PowerAlert UPS Power Management Software that's included along with cabling to provide safe, unattended system shutdown during blackouts. Provides monitoring of site power conditions, full UPS status and fault warnings.
- HID-compliant USB port enables integration with built-in power management and auto-shutdown features of Windows and Mac OS X.
- Supports Tripp Lite's WatchDog Service Monitoring/Rebooting Software (part# WATCHDOGSW)



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- Built-in dataline suppression jacks protect a single dialup phone/DSL line
- Built-in audible alarm and 4 front panel LEDs indicate UPS system and line power status
- 500VA/300 watt power handling ability supports a variety of computer, internetworking, telecom and consumer electronics equipment
- Supports battery replacement via built-in access panel
- Compatible with 120V/60Hz applications for USA, Canada, Mexico and more
- Optional PDUB15 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- Short circuit protection during AC and battery modes

Specifications

| OUTPUT | |
|--|-------------------------------------|
| Output Volt Amp Capacity (VA) | 500 |
| Output Watt Capacity (watts) | 300 |
| Nominal Output Voltage(s) Supported | 115V; 120V |
| Frequency compatibility | 60 Hz |
| Output voltage regulation (line mode) | -18%, +8% |
| Output voltage regulation (Battery mode) | 115V (+/- 5%) |
| Built-in UPS output receptacles | 6 5-15R outlet(s) |
| Surge suppression only outlets | 3 UPS outlets, 3 surge-only outlets |
| 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 (at maximum load) | 12A |
| 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 |
| Input cord length (ft.) | 6 |
| Input cord length (m) | 1.8 |
| Phase | Single-Phase |
| BATTERY | |



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| Full load runtime (minutes) | 4 min. (300w) |
| Half load runtime (minutes) | 14.6 min. (150w) |
| DC system voltage (VDC) | 12 |
| Battery recharge rate (included batteries) | Less than 3.6 hours from 10% to 90% |
| Replacement battery cartridge (internal UPS battery replacement) | RBC51 |
| Battery Access | Battery access door |
| 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 75 to 147 |
| Overvoltage correction | Input voltages between 128 and 147 are reduced by 12% |
| Undervoltage correction | Input voltages between 93 and 107 are boosted by 14% |
| Severe undervoltage correction | Input voltages between 75 and 92 are boosted by 30% |
| LEDS ALARMS & SWITCHES | |
| LED Indicators | 4 LEDs indicate line power, battery power, overload and battery low/replace status |
| Alarms | Audible alarm indicates power-failure and low-battery conditions |
| Alarm cancel operation | Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status |
| Switches | 2 Switches control off/on power status and alarm-cancel/self-test operation |
| SURGE / NOISE SUPPRESSION | |
| UPS AC suppression joule rating | 480 |
| 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 |
| AC suppression joule rating | 480 |
| AC suppression response time | Instantaneous |
| Dataline suppression | 1 line TEL / DSL or 10Base T Ethernet protection |
| 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 |



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| UPS / Power Module dimensions in primary form factor (height x width x depth / inches) | 8.5 x 5.2 x 7 |
| UPS / Power Module dimensions in primary form factor (height x width x depth / cm) | 21.6 x 13.3 x 17.8 |
| UPS / Power Module weight (lbs) | 14 |
| UPS / Power Module weight (kg) | 6.4 |
| UPS Shipping dimensions (height x width x depth / inches) | 12 x 10 x 8.2 |
| UPS Shipping dimensions (height x width x depth / cm) | 30.5 x 25.4 x 21 |
| Shipping weight (lbs) | 14 |
| Shipping weight (kg) | 6.4 |
| 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) | 65.1 |
| Battery mode BTU / hr. (full load) | 358.4 |
| AC mode efficiency rating (100% load) | 94% |
| COMMUNICATIONS | |
| Communications interface | USB (HID enabled) |
| 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) | 75 |
| High voltage transfer to battery power (setpoint) | 147 |
| SPECIAL FEATURES | |
| Cold Start (startup in battery mode during a power failure) | Cold-start operation supported |



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| High availability UPS features | Hot swappable batteries |
| Green & high efficiency features | Greater than 95% efficiency - GREEN UPS |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); 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 |

Related Items

Optional Products

| Model Number | Description | Qty. |
|----------------------------|---|------|
| WEXT3-OMNI | 3-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS | 1 |
| WEXT5-OMNI | 5-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS | 1 |
| PDUB15 | Single-Phase Hot-Swap PDU, 1.4kW 15A 120V, 2U Horizontal Rackmount, 8 NEMA 5-15R outlets, set of 2 NEMA 5-15P input plugs | 1 |
| UPSWM | Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap) | 1 |
| WATCHDOGSW | WatchDog Service Monitoring / Reboot Software | 1 |

More information, including related products, owner's manuals, and additional technical specifications, can be found online at:
<http://www.tripplite.com/sku/OMNISMART500>.

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