

## 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)



- 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	



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)	<b>RBC51</b>
Battery Access	Battery access door
Battery replacement description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
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%
<b>LEDS ALARMS &amp; SWITCHES</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
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
<b>PHYSICAL</b>	
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 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
<b>ENVIRONMENTAL</b>	
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%
<b>COMMUNICATIONS</b>	
Communications interface	USB (HID enabled)
PowerAlert software	Free download from <a href="http://www.tripplite.com">www.tripplite.com</a>
Communications cable	USB cable included
WatchDog compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
<b>LINE / BATTERY TRANSFER</b>	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	75
High voltage transfer to battery power (setpoint)	147
<b>SPECIAL FEATURES</b>	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported



High availability UPS features	Hot swappable batteries
Green & high efficiency features	Greater than 95% efficiency - GREEN UPS
<b>CERTIFICATIONS</b>	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category B (EMI)
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$200,000 <a href="#">Ultimate Lifetime Insurance</a>

## Related Items

### Optional Products

Model Number	Description	Qty.
<a href="#">WEXT3-OMNI</a>	3-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	1
<a href="#">WEXT5-OMNI</a>	5-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	1
<a href="#">PDUB15</a>	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
<a href="#">UPSWM</a>	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	1
<a href="#">WATCHDOGSW</a>	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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