Model #: OMNISMART500

Omni Smart UPS System - Line-interactive UPS corrects severe brownouts and overvoltages

Highlights

500VA line interactive tower UPS

Maintains 120V nominal output over an input range of 75 to 147V

Workstation optimized features include USB port (HID-PDC compliant), single line TEL / DSL line surge suppression and three surge-only outlets

Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)

2 year product warranty / $200,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

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 15 minutes with a half load of 250VA/150 watts. Supports battery replacement via built-in access panel. 2 year warranty. $200,000 connected equipment insurance (USA & Canada only).

Applications

Entry-level PCs, networked workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Ideal for sensitive electronic applications in areas where brownouts and overvoltages are common.

Package Includes

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

Features

OMNI SMART 500 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 15 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

Short circuit protection during AC and battery modes

2 year manufacturer's warranty

$200,000 connected equipment insurance (USA & Canada only)

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120VAC
Frequency compatibility	60Hz
OUTPUT	
Output VA	500
Output watts	300
Output nominal voltage	120VAC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%), BATTERY MODE: PWM sine wave output 120V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	6 NEMA 5-15R
INPUT	
Maximum input amps	12A
Input connection type	NEMA 5-15P (space saving right-angle plug)
Input cord length	6 ft., 16 gauge
Recommended electrical service	15A 120V
BATTERY	
Full load runtime	4 minutes (500VA)
Half load runtime	15 minutes (250VA)
DC system voltage	12 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	3.6 hours to 90%
Replacement Battery Cartridge	RBC51
VOLTAGE REGULATION	
Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V

Overvoltage correction	Input voltages between 128 and 147V AC are reduced by 12%
Direct pass through	Input voltages between 108 and 127V AC are passed on to connected equipment unchanged
Brownout correction	Input voltages between 93 and 107V AC are boosted by 14%
Severe brownout correction	Input voltages between 75 and 92V AC are boosted by 30%

LEDS ALARMS & SWITCHES

Front panel LEDs	4 front panel LEDs indicate line power status, battery power status, battery low/replace status and overload
Alarms	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
Switches	Includes 2 front panel switches — one main on/off power switch and one dual function "alarm cancel" / "self test" button

SURGE / NOISE SUPPRESSION

AC surge suppression	480 joules
AC suppression response time	Instantaneous
Dataline suppression	Tel/DSL
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	15.4
Shipping weight (kg)	7.0
Shipping Dimensions (HWD/in)	12 x 8.25 x 9.25
Shipping Dimensions (HWD/cm)	30.5 x 21 x 23.5
Unit weight (lbs)	14
Unit weight (kg)	6.4
Unit Dimensions (HWD/in)	8.5 x 5 x 6.5
Unit Dimensions (HWD/cm)	21.6 x 12.7 x 16.5
Material of construction	PVC
Form factors supported	Tower
Cooling method	Convection
Battery Access	Battery access door allows user replacement of UPS batteries.

ENVIRONMENTAL

Operating Temperature	+32 to +104 degrees Fahrenheit, 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit, -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing

COMMUNICATIONS

Network monitoring port	USB
Software and cabling included	USB cabling and PowerAlert software included.
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 75 volts or less. Resets back to line power mode as line voltage increases to 79V or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 147 volts or higher. Resets back to line power mode as line voltage decreases to 143V or less.

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), Tested to CSA (Canada), Class B (emissions), NOM (Mexico), FCC Part 68 / Industry Canada (telecommunications)

WARRANTY

Product warranty	2 year product warranty
Connected equipment insurance (USA and Canada Only	$200,000 connected equipment insurance (USA and Canada only)
Optional coverage	3-5 year warranties, plus next day and on-site warranty coverage available. Contact Tripp Lite for additional information.

SPECIAL FEATURES

Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive black tower UPS

More information, including related products, owner's manuals, and additional technical specifications, can be found online at

www.tripplite.com/products/model.cfm?txtModelID=21.