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Model #: OMNI500ISO

OmniSmart UPS with built-in isolation transformer - Provides battery support during blackouts, voltage regulation during brownouts and continuous line filtering with built-in isolation transformer



Highlights

- 500VA line-interactive UPS with built-in isolation transformer
- Maintains 120V nominal output over an input range of 81 to 143V
- Built-in USB communications port
- Input: NEMA 5-15P (120V 15A) / Output: 3 NEMA 5-15R (120V)
- 2 year product warranty

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.

Applications

Ideal for providing a continuous clean grounding reference, voltage regulation and backup power for sensitive POS, networking and home theater applications

Package Includes

- OMNI500ISO UPS system
- USB cable
- Owner's manual with warranty information

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 min. full-load runtime (300W); 14 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](#)) 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

2-year product warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V
Frequency compatibility	60Hz
OUTPUT	
Output VA	500
Output watts	300
Output nominal voltage	120V (line mode) / 115V (battery mode)
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%) / BATTERY MODE: 115V (+/-5%)
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz. +/-10%
Outlet quantity / type	3 NEMA 5-15R
INPUT	
Maximum input amps	4.8A at 120V
Input connection type	NEMA 5-15P, right-angle plug
Input cord length	6 ft. / 1.8m
Recommended electrical service	15A 120V
BATTERY	
Full load runtime	5 min. (300W)
Half load runtime	11 min. (150W)
DC system voltage	12VDC
Typical battery lifespan	4-6 years typical
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC51
VOLTAGE REGULATION	
Voltage regulation description	Line-interactive UPS offers a single boost level of brownout correction to maintain usable, computer grade output.
Brownout correction	Input voltages between 83 and 107V AC are boosted by 14%
LEDS ALARMS & SWITCHES	
Front panel LEDs	Yes, includes 4 front-panel status indicator LEDs for line power, battery power, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power failure conditions, silenceable via alarm cancel switch. Once cancelled, alarm will resume when approximately 2 minutes of battery operation remain (assuming full load).
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
SURGE / NOISE SUPPRESSION	

AC surge suppression	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
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	27
Shipping weight (kg)	12.3
Shipping Dimensions (HWD/in)	14 x 8.5 x 11
Shipping Dimensions (HWD/cm)	35.6 x 21.6 x 27.9
Unit weight (lbs)	21.8
Unit weight (kg)	9.9
Unit Dimensions (HWD/in)	10.75 x 5.25 x 7.5
Unit Dimensions (HWD/cm)	27.3 x 13.3 x 19.1
Material of construction	PVC
Form factors supported	Tower
Cooling method	Convection
Battery Access	Via battery access door
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	Includes USB cable; PowerAlert software available via free download from www.tripplite.com
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	83V (resets to line power as voltage increases to 87V)
High voltage transfer to battery power	147V (resets to line power as voltage decreases to 143V)
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), Class B (Emissions)
WARRANTY	
Product warranty	2-year product warranty

Connected equipment insurance (USA and Canada Only)	\$200,000
Optional coverage	3-year, 5-year, next-day and on-site warranty coverage available
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/products/model.cfm?txtModelID=3028.