

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

Variage compatibility 200V Frequency compatibility 60Hz Output VA 500 Output VA 500 Output varias 300 Output varias 300 Output varias 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Output rounnial 120V (line mode) / 115V (battery mode) Input cond length 6 fL / 18m Recommended 6 fL / 18m Recommended 6 fL / 18m Battery recharge rat 2 hours to 80% Casystem voltage 120V coc Voltage computation Soffin Con Voltage regulation <th></th> <th></th>		
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Battery Cartridge VOLTAGE REGULATION Line-interactive UPS offers a single boost level of brownout correction to maintain usable, computer grade output. Voltage regulation description Input voltages between 83 and 107V AC are boosted by 14% EDS ALARMS & SWU-THES Front panel LEDs Ves, 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	Battery recharge rate	2-4 hours to 90%
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SURGE / NOISE SUPPRESSION	Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
	SURGE / NOISE SUPP	RESSION

AC surge suppression	SURGE VOLTAGE WITHSTAND CAPABILITY: ANSI/IEEE C62.41 Catagories 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.

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