

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



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Model #: OMNI500ISO

- ▶ 500VA line-interactive UPS with built-in isolation transformer
- ▶ Corrects brownouts as low as 83V without using battery power
- ▶ Built-in USB communications port
- ▶ 3 NEMA 5-15R Outlets

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.

KEY BUYING POINTS

- 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, voltage correction status and battery low/replace
- 2-year product warranty

TYPICAL APPLICATIONS

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

OPTIONS & ACCESSORIES

- Wallmount bracket: [UPSWM](#)
- Extended warranties: 3 Year [WEXT3-OMNI](#), 5 Year [WEXT5-OMNI](#)

PACKAGE INCLUDES

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

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	500VA line-interactive UPS with built-in isolation transformer
Voltage compatibility:	120V
Frequency compatibility:	60Hz

OUTPUT

Output volt amp capacity (VA):	500
Output watt capacity (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:	14 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-G from 10Khz to 100Khz, 18 to 54 db L-N from 50Khz to 500 Khz.
AC suppression response time:	Instantaneous
Dataline suppression:	-
EMI / RFI AC noise suppression:	Yes

PHYSICAL

Shipping weight (lbs):	27
Shipping weight (kg):	12.3
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
Shipping Dimensions (HWD/in):	14 x 8.5 x 11
Shipping Dimensions (HWD/cm):	35.6 x 21.6 x 27.9
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
Storage Temperature:	+5 to +122 degrees Fahrenheit
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)
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WARRANTY

Optional coverage:	3-year, 5-year, next-day and on-site warranty coverage available
Product warranty:	2-year product warranty
Connected equipment insurance (USA and Canada Only):	\$200,000

SPECIAL FEATURES

Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
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*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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