

# 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



## Model #: OMNI1000ISO

- ▶ 1000VA 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: 6 NEMA 5-15R (120V)
- ▶ 2 year product warranty

## DESCRIPTION

Tripp Lite's OMNI1000ISO 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. 1000VA 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 81V and overvoltages as high as 143V back to normal 120V levels, reserving battery power for use 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

- 1000VA 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 81V and overvoltages as high as 143V without consuming battery power
- Supports loads up to 1000VA/700W
- Half-load runtime of 24 min. (500VA/350W); full load runtime of 8 min. (1000VA/700W)
- 5 diagnostic LEDs indicate AC present, on battery, voltage correction status, overload and battery low/replace
- 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
- 6 UPS-supported AC outlets; 6-ft. cord
- 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

- OMNI1000ISO UPS System
- USB cable
- Owner's manual with warranty information

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW

System overview:	1000 VA line-interactive UPS system with built-in isolation transformer
Voltage compatibility:	120V
Frequency compatibility:	60Hz

OUTPUT

Output volt amp capacity (VA):	1000
Output watt capacity (watts):	700
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:	6 NEMA 5-15R

INPUT

Maximum input amps:	7.6A at 120V
Input connection type:	NEMA 5-15P
Input cord length:	6 ft./1.8m
Recommended electrical service:	15A 120V

BATTERY

Full load runtime:	8 min. (700W)
Half load runtime:	24 min. (350W)
DC system voltage:	36V
Typical battery lifespan:	4-6 years (typical)
Battery recharge rate:	2-4 hours to 90%
Replacement Battery Cartridge:	RBC53

VOLTAGE REGULATION

Voltage regulation description:	Line-interactive UPS systems offers two levels of brownout correction and one level of overvoltage correction to maintain usable, computer grade output
Overvoltage correction:	Input voltages between 128-143V are reduced by 9%
Brownout correction:	Input voltages between 96-107V are boosted by 10%
Severe brownout correction:	Input voltages between 85-95V are boosted by 20%

LEDS ALARMS & SWITCHES

Front panel LEDs:	5 diagnostic LEDs indicate AC present, on battery, voltage correction status, overload and
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battery low/replace status

<b>Alarms:</b>	Audible alarm indicates power failure conditions, silenceable via alarm cancel push-button switch. Once cancelled, alarm will resume when approximately 2 min. of battery operation remain (assuming full load)
<b>Switches:</b>	2 front panel push-button switches for system enable, self-test, and alarm cancel functions

## PHYSICAL

<b>Shipping weight (lbs):</b>	40
<b>Shipping weight (kg):</b>	18
<b>Unit weight (lbs):</b>	36.4
<b>Unit weight (kg):</b>	16.38
<b>Unit Dimensions (HWD/in):</b>	12.75 x 7.5 x 9.25
<b>Unit Dimensions (HWD/cm):</b>	32.4 x 19.05 x 23.5
<b>Shipping Dimensions (HWD/in):</b>	18.25 x 12 x 13.75
<b>Shipping Dimensions (HWD/cm):</b>	46.4 x 30.5 x 35
<b>Material of construction:</b>	PVC
<b>Form factors supported:</b>	Tower
<b>Cooling method:</b>	Fan
<b>Battery Access:</b>	Battery access door

## ENVIRONMENTAL

<b>Operating Temperature:</b>	+32 to +104 degrees Fahrenheit
<b>Storage Temperature:</b>	+5 to +122 degrees Fahrenheit
<b>Relative Humidity:</b>	0 to 95%, non-condensing

## COMMUNICATIONS

<b>Network monitoring port:</b>	USB
<b>Software and cabling included:</b>	USB cable included; Power Alert software available via free download from <a href="http://www.tripplite.com">www.tripplite.com</a>
<b>WatchDog compatibility:</b>	Yes, with optional WATCHDOGSW

## LINE / BATTERY TRANSFER

<b>Transfer time from line power to battery mode:</b>	2-4 milliseconds
<b>Low voltage transfer to battery power:</b>	81V (resets to line power as voltage increases above 85V)
<b>High voltage transfer to battery power:</b>	143V (resets to line power as voltage decreases to 139V)

## CERTIFICATIONS

<b>Certifications:</b>	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), Class A (Emissions), NOM (Mexico)
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## WARRANTY

<b>Product warranty:</b>	2 years
<b>Connected equipment insurance (USA and Canada Only):</b>	\$200,000
<b>Optional coverage:</b>	3-year and 5-year extended warranty coverage available (see Options and Accessories section listing)

## SPECIAL FEATURES

<b>Cold Start:</b>	Inverter can be cold started to enable temporary AC output during a power failure
<b>Appearance:</b>	Attractive all-black color scheme

*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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