

# 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 #: OMNI750ISO

- ▶ 750VA 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 OMNI750ISO 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. 750VA 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, saving 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

- 750VA 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 750VA/500W
- Offers 31 min. battery runtime with a half load of 375VA/250W and 13 min. with a full load of 750VA/500 watts
- 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
- 5 diagnostic LEDs indicate AC present, on battery, voltage correction status, overload 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

- OMNI750ISO UPS system
- USB cable
- User manual with warranty information

## COMPLETE SPECIFICATIONS

### SYSTEM OVERVIEW

**System overview:** 750VA line-interactive UPS with built-in isolation transformer

**Voltage compatibility:** 120V

**Frequency compatibility:** 60Hz

### OUTPUT

**Output volt amp capacity (VA):** 750

**Output watt capacity (watts):** 500

**Output nominal voltage:** 120V (line mode) ; 115V (battery mode)

**Output voltage regulation:** Line Mode: Sine wave line voltage 120V (+8%/-18%) / 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:** 5.5A

**Input connection type:** NEMA 5-15P

**Input cord length:** 6ft./1.8m

**Recommended electrical service:** 15A, 120V

### BATTERY

**Full load runtime:** 13 min. (750VA/500W)

**Half load runtime:** 31 min. (375VA/250W)

**DC system voltage:** 36VDC

**Typical battery lifespan:** 4-6 years (typical)

**Battery recharge rate:** 2-4 hours to 90%

**Replacement Battery Cartridge:** RBC51 (3 required)

### VOLTAGE REGULATION

**Voltage regulation description:** Line-interactive UPS offers two boost levels of brownout correction and one voltage reduction level for overvoltage correction to maintain usable, computer grade output

**Overvoltage correction:** Input voltages between 128-143V are reduced by 9%

**Brownout correction:** Input voltages between 97-107V are boosted by 10%

**Severe brownout correction:** Input voltages between 81-96V are boosted by 21%

### LEDS ALARMS & SWITCHES

**Front panel LEDs:** 5 front-panel status indicator LEDs for line power, battery power, voltage regulation,

overload and battery low/replace status

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

## PHYSICAL

<b>Shipping weight (lbs):</b>	40
<b>Shipping weight (kg):</b>	18.2
<b>Unit weight (lbs):</b>	36.4
<b>Unit weight (kg):</b>	16.5
<b>Unit Dimensions (HWD/in):</b>	12.75 x 9.25 x 7.5
<b>Unit Dimensions (HWD/cm):</b>	32.4 x 23.5 x 19.1
<b>Shipping Dimensions (HWD/in):</b>	18.25 x 13.75 x 12
<b>Shipping Dimensions (HWD/cm):</b>	46.4 x 34.9 x 30.5
<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; PowerAlert software is 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 line voltage increases to 85V or higher)
<b>High voltage transfer to battery power:</b>	143V (switches to line power as line voltage decreases to 139V or lower)

## CERTIFICATIONS

<b>Certifications:</b>	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), Class B (Emissions)
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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, 5-year, next-day and on-site warranty coverage available

## 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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