OmniSmart 120V 750VA 500W Line-Interactive UPS, Tower, Built-In Isolation Transformer, USB port

MODEL NUMBER: **OMNI750ISO**

Highlights

- 750VA tower 120V line interactive UPS with isolation transformer
- Corrects brownouts and overvoltages from 81V to 143V
- USB port, Normal & common mode EMI/RFI line noise immunity
- NEMA 5-15P input plug and 6 5-15R outlets

Package Includes

- OMNI750ISO UPS system
- USB cable
- Instruction manual

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.

Features

- 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 31.3 min. battery runtime with a half load of 375VA/250W and 13.5 min. with a full load of 750VA/500 watts
- Electrostatic discharge (ESD) resistance reduces potential static damage to connected electronics
- USB port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software,

available via FREE download from www.tripplite.com/poweralert

- Built-in surge suppression (backed by $200,000 Ultimate Lifetime Insurance U.S., Canada, and Puerto
  Rico only) safeguards connected equipment against damage

- 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-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

- Optional PDUB15 bypass PDU enables hot-swappable UPS replacement with no disruption to
  connected equipment

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	750
Output Watt Capacity (Watts)	500
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Nominal Voltage Details	115v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(6) 5-15R
Hot-Swap PDU options	PDUB15 (2U / 8 5-15R outlets)
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
INPUT	
Rated input current (Maximum Load)	5.5A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P

UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase

BATTERY

Full Load Runtime (min.)	13.5 min. (500w)
Half Load Runtime (min.)	31.3 min. (250w)
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	RBC53
Battery Access	Battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	No

VOLTAGE REGULATION

Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 81 to 143
Overvoltage Correction	Input voltages between 128 and 143V are reduced by 9%
Undervoltage Correction	Input voltages between 97 and 107V are boosted by 10%
Severe Undervoltage Correction	Input voltages between 81 and 96V are boosted by 21%

USER INTERFACE, ALERTS & CONTROLS

Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	510
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes

ISOLATION

Output Isolation Transformer	Professional grade load isolation transformer

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

PHYSICAL	
Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	12.8 x 7.5 x 9.2
UPS Power Module Dimensions (hwd, cm)	32.51 x 19.05 x 23.37
UPS Power Module Weight (lbs.)	36.4
UPS Power Module Weight (kg)	16.51
UPS Shipping Dimensions (hwd / in.)	18.2 x 13.8 x 12
UPS Shipping Dimensions (hwd / cm)	46.23 x 35.05 x 30.48
Shipping Weight (lbs.)	40
Shipping Weight (kg)	18.2
Cooling Method	Fan
UPS Housing Material	PVC
Primary UPS Height (mm)	325
Primary UPS Width (mm)	190
Primary UPS Depth (mm)	234
Shipping Height (mm)	462
Shipping Width (mm)	351
Shipping Depth (mm)	305

ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
Battery Mode BTU / Hr. (Full Load)	211
AC Mode Efficiency Rating (100% Load)	91%

COMMUNICATIONS	
Communications Interface	USB
PowerAlert Software	For local monitoring via the UPS's built-in USB port, download PowerAlert Local software at http://www.tripplite.com/poweralert
Communications Cable	USB cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	81
High Voltage Transfer to Battery Power (Setpoint)	143

SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries

CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category B (EMI)

WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$200,000 Ultimate Lifetime Insurance

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