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

MODEL NUMBER: **OMNI750ISO**

Description

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 PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- 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

OVERVIEW	
UPC Code	037332141309
UPS Type	Line-Interactive

INPUT	
Input Phase	Single-Phase
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

OUTPUT	
Output Capacity (VA)	750
Output Capacity (kVA)	0.75
Output Capacity (Watts)	500
Output Capacity (kW)	0.5
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%
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
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	No

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

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

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

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

PHYSICAL	
Primary Form Factor	Tower
Cooling Method	Fan

Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary UPS Depth (mm)	234
Primary UPS Height (mm)	325
Primary UPS Width (mm)	191
Shipping Dimensions (hwd / in.)	18.25 x 12.00 x 13.75
Shipping Dimensions (hwd / cm)	46.36 x 30.48 x 34.92
Shipping Weight (lbs.)	43.30
Shipping Weight (kg)	19.64
UPS Housing Material	PVC
UPS Power Module Dimensions (hwd, cm)	32.51 x 19.05 x 23.37
UPS Power Module Dimensions (hwd, in.)	12.8 x 7.5 x 9.2
UPS Power Module Weight (kg)	16.51
UPS Power Module Weight (lbs.)	36.4
Unit Dimensions (hwd / in.)	12.750 x 7.500 x 9.250
Unit Weight (lbs.)	36.4000
Unit Weight (kg)	16.51

ENVIRONMENTAL

Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0 to 95%, non-condensing
AC Mode Efficiency Rating (100% Load)	91%

COMMUNICATIONS

PowerAlert Software	For local monitoring via the UPS's built-in USB port, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
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
Network Management Card Description	Network management not supported
Communications Interface	USB

LINE / BATTERY TRANSFER

Transfer Time	2-4 milliseconds

Low Voltage Transfer to Battery Power (Setpoint)	81
High Voltage Transfer to Battery Power (Setpoint)	143

FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries; Surge/noise protection

APPLICATIONS	
UPS Applications	High-End Desktop/Small Network; Retail/Point of Sale; Hospitality

STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778
Product Compliance	RoHS; FCC Part 15 Class B (USA)

WARRANTY & SUPPORT	
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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