Model #: OMNI1000ISO

OmniSmart 1000VA Tower Line-Interactive 120V UPS with built-in Isolation Transformer and USB port

Highlights

- 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.

Package Includes

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

Features

- 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 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
- 2-year product warranty

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1000
Output kVA capacity (kVA)	1
Output Watt Capacity (watts)	700
Output power factor	0.7
Nominal Output Voltage(s) Supported	115V; 120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-18%, +8%
Output voltage regulation (Battery mode)	115V (+/- 5%)
Built-in UPS output receptacles	6 5-15R outlet(s)
Basic PDU options	PDU1215 (1U / 13 5-15R outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDU1415 (0U / 14 5-15R outlets); PDUV15 (0U / 12 5-15R outlets)
Metered PDU options	PDUMH15 (1U / 13 5-15R outlets); PDUMH15AT (1U / 8 5-15R outlets)*; PDUMV15 (0U / 16 5-15R outlets)
Switched PDU options	PDUMH15ATNET (1U / 8 5-15R outlets)*; PDUMV15NET (0U / 16 5-15R outlets)
External PDU redundancy options	*Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	7.6A
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
BATTERY	
Full load runtime (minutes)	8 min. (700w)
Half load runtime (minutes)	24 min. (350w)

DC system voltage (VDC)	36
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC53
Battery Access	Battery access door
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 85 to 143
Overvoltage correction	Input voltages between 128 and 143V are reduced by 9%
Undervoltage correction	Input voltages between 96 and 107V are boosted by 10%
Severe undervoltage correction	Input voltages between 85 and 95V are boosted by 20%

LEDS ALARMS & SWITCHES

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

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 in primary form factor (height x width x depth / inches)	12.8 x 7.5 x 9.2
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	32.4 x 19 x 23.5
UPS / Power Module weight (lbs)	36.4
UPS / Power Module weight (kg)	16.5
UPS Shipping dimensions (height x width x depth / inches)	18.2 x 13.8 x 12
UPS Shipping dimensions (height x width x depth / cm)	46.4 x 34.9 x 30.5
Shipping weight (lbs)	40
Shipping weight (kg)	18.2
UPS housing material	PVC
Cooling method	Fan
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
AC mode BTU / hr. (full load)	235.4
Battery mode BTU / hr. (full load)	324.5
COMMUNICATIONS	
Communications interface	USB
PowerAlert software	Free download from www.tripplite.com
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); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)

WARRANTY

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

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Extended Warranties	WEXT3-OMNI	3-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	-
Extended Warranties	WEXT5-OMNI	5-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	-
Wallmount Bracket	UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	-

More information, including related products, owner's manuals, and additional technical specifications, can be found online at

www.tripplite.com/en/products/model.cfm?txtModelID=3196.