Model #: OMNISMART1400

Omni Smart UPS System - Line Interactive UPS Corrects Severe Brownouts and Overvoltages

Highlights

1400VA / 1.4kVA line interactive tower UPS

Maintains 120V nominal output over an input range of 75 to 147V

Workstation optimized features include USB monitoring port

Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)

2 year product warranty

Description

Tripp Lite's OMNI SMART 1400 line interactive UPS system offers voltage regulation, surge suppression and long lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Supports a single entry level PC system for up to 75 minutes during power failures to facilitate a safe shutdown without data loss. Automatic Voltage Regulation (AVR) circuits regulate brownouts as low as 75 volts and overvoltages to 147 volts back to normal 120V levels, all without using battery power. Includes 6 battery supported outlets and 6 foot AC line cord. USB port enables optional safe unattended system shutdown in the case of extended power failure as well as continuous UPS and site power condition monitoring, USB cable included. PowerAlert software available via free download from www.tripplite.com. Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and overload. 1400VA/940 watt power handling ability supports multiple entry-level PCs, network workstations, point-of-sale terminals, small to medium business phone systems, audio/video workstations and heavily configured home theater systems. Offers 8 minutes battery runtime with a full load of 1400VA and 24 minutes with a half load of 700VA. Supports hot swap battery replacement via built-in access panel. 2 year warranty.

Applications

Network workstations, small-business servers, CAD/CAM/CAE workstations, mid-size & large business telephone/voicemail systems, hubs, routers, personal computers and more.

Package Includes

OMNI SMART 1400 UPS System

USB cable

Warranty information

Instruction manual

Features

OMNI SMART 1400 line interactive UPS system offers voltage regulation and battery support, plus complete AC and dialup/DSL modem line surge suppression

Prevents equipment damage, data loss and downtime due to power problems

Supports a single entry level PC system for up to 75 minutes during power failures to enable a safe system shutdown

Supports a max load of 1400VA for 8 minutes

Supports a half load of 700VA for 24 minutes

Automatic Voltage Regulation (AVR) circuits correct brownouts as low as 75 and overvoltages as high as 147 volts back to normal 120 volt levels without using battery power

Upright tower configuration uses only 66 square inches of floor or desktop space

Includes 6 battery supported outlets, 6 foot AC line cord (all NEMA 5-15)

USB port enables safe unattended shutdown without data loss during extended power failures, includes USB cable

USB port supports messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity

USB interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment

PowerAlert UPS monitoring software available via free download from www.tripplite.com

Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again

Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and overload status

1400VA/940 watt power handling ability supports multiple entry-level PCs, network workstations, point-of-sale terminals, small to medium business phone systems, audio/video equipment stations and heavily configured home theater systems

Supports hot-swap battery replacement via built-in battery access panel

Compatible with 120V/60Hz applications for USA, Canada, Mexico and more

2 year manufacturers warranty

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120V AC
Frequency compatibility	60Hz
OUTPUT	
Output VA	1400
Output watts	940
Output nominal voltage	120V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%) BATTERY MODE: PWM sine wave output 115V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	6 NEMA 5-15R
INPUT	
Maximum input amps	9.2A / 1030 watts
Input connection type	NEMA 5-15P
Input cord length	6 ft., 16 gauge
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	8 minutes (1400VA)
Half load runtime	24 minutes (700VA)
DC system voltage	36 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC53
VOLTAGE REGULATION	

Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
Overvoltage correction	Input voltages between 128 and 147V AC are reduced by 12%
Direct pass through	Input voltages between 108 and 127V AC are passed on to connected equipment unchanged
Brownout correction	Input voltages between 93 and 107V AC are boosted by 14%
Severe brownout correction	Input voltages between 75 and 92V AC are boosted by 30%

LEDS ALARMS & SWITCHES

Front panel LEDs	5 front panel LEDs indicate line power status, battery power status, battery low/replace status, voltage regulation operation and overload status
Alarms	Audible alarm with 15 second delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 minutes runtime remain.
Switches	Includes 2 front panel switches — one main on/off power switch and one dual function "alarm cancel" / "self test" button

SURGE / NOISE SUPPRESSION

AC surge suppression	480 joules
AC suppression response time	Instantaneous
Dataline suppression	-
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	40
Shipping weight (kg)	18.2
Unit weight (lbs)	36.4
Unit weight (kg)	16.5
Unit Dimensions (HWD/in)	12.75 x 7.5 x 9
Unit Dimensions (HWD/cm)	32.4 x 19.1 x 22.9
Material of construction	PVC
Form factors supported	Tower
Cooling method	Convection
Battery Access	Battery access door allows user replacement of UPS batteries. Hot-swappable battery replacement supported.

ENVIRONMENTAL

Operating Temperature	+32 to +104 degrees Fahrenheit, 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit, -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing

COMMUNICATIONS

Network monitoring port	USB
Software and cabling included	USB cabling included, PowerAlert software available for free download at www.tripplite.com
WatchDog compatibility	Compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage decreases to 75 volts or less. Resets back to line power mode as line voltage increases to 79V or higher.
High voltage transfer to battery power	Switches to battery power as line voltage increases to 147 volts or higher. Resets back to line power mode as line voltage decreases to 143V or less.
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive gray tower UPS
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico)
WARRANTY	
Product warranty	2 year product warranty
Connected equipment insurance (USA and Canada Only	$200,000 connected equipment insurance (USA and Canada only)
Optional coverage	3-5 year warranties, plus next day and on-site warranty coverage available. Contact Tripp Lite for additional information.

Related Items

Extended Warranties		
WEXT3-OMNI	3-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	Qty: [optional]
WEXT5-OMNI	5-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

Wallmount Bracket		
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	Qty: [optional]

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