OmniSmart UPS System

Line Interactive UPS Corrects Severe Brownouts and Overvoltages

Model #: OMNISMART1400

▶ 1400VA line interactive, tower UPS system

▶ Maintains 120V nominal output during brownouts to 75 and overvoltages to 147

▶ 6 protected AC outlets (NEMA 5-15R)

▶ USB monitoring port and cabling for use with free PowerAlert monitoring software

▶ $200,000 Ultimate Lifetime Insurance (USA & Canada only)

DESCRIPTION

Tripp Lite's OMNISMART1400 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. $200,000 connected equipment insurance (USA & Canada only).

KEY BUYING POINTS

- OMNISMART1400 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
- $200,000 connected equipment insurance (USA & Canada only)

TYPICAL APPLICATIONS

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

OPTIONS & ACCESSORIES

- DNET1 Dataline protection module protects 10/100 baseT network ethernet line
- UPSWM Wallmount bracket efficiently secures UPS and SNMP-SOLO card to a wall
- DTEL2 Dataline protection module protects 2 dialup phone lines

PACKAGE INCLUDES

- OMNISMART1400 UPS System
- USB cable
- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Line interactive tower UPS system protects PCs, network workstations and other sensitive electronics from blackouts, brownouts, overvoltages and line noise. Maintains AC output during blackouts and continuously corrects brownouts and overvoltages from 75 to 147 volts back to normal 120V levels. Includes USB monitoring port with cabling and LED indicators. PowerAlert software available free via download.
Voltage compatibility:	120V AC
Frequency compatibility:	60Hz
OUTPUT	
Output volt amp capacity (VA):	1400
Output watt capacity (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 / watts:	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%

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:	Conforms to IEEE 587 / ANSI C62.41 specifications
AC suppression response time:	Instantaneous
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, wall mountable with optional UPSWM accessory
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:	Built-in USB port supports on battery, low battery, power restored, AC line voltage, DC battery voltage and battery capacity messaging. Interface supports timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment.
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.
CERTIFICATIONS	
Certifications:	UL1778 (USA), cUL (Canada), FCC Class B (emissions), NOM (Mexico)
WARRANTY	
Optional coverage:	3-5 year warranties, plus next day and on-site warranty coverage available. Contact Tripp Lite for additional information.
Product warranty:	2 year product warranty
Connected equipment insurance (USA and Canada Only):	$200,000 connected equipment insurance (USA and Canada only)
SPECIAL FEATURES	
Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	Attractive gray tower UPS

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