

# OmniSmart UPS System

Line-interactive battery backup with hospital grade plug and outlets



## Model #: OMNISMART1400HG

- ▶ 1400VA line interactive tower UPS system
- ▶ Hospital grade plug and 4 NEMA5-15R hospital grade outlets
- ▶ Corrects brownouts and overvoltages from 75 to 147V
- ▶ DB9 serial monitoring port

## DESCRIPTION

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Tripp Lite's OMNISMART1400HG offers UPS protection with built-in line interactive voltage regulation and intelligent monitoring and unattended shutdown capability. 1400VA power handling capacity supports computers, internetworking equipment and other critical loads during commercial power failures. Line interactive voltage regulation corrects brownouts as low as 75V and overvoltages as high as 147 back to normal 120V levels, saving battery reserves for use only during complete power failures. Includes 4 hospital grade outlets, diagnostic LEDs and built-in DB9 communications port that works with included PowerAlert Software and cabling to provide automatic unattended shutdown of connected network and PC applications.

## KEY BUYING POINTS

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- Ideal UPS protection for mission critical equipment and computers where hospital-grade input/output connections are required
- Provides connected equipment with continuous power during short and long duration loss of commercial power
- Line-interactive voltage regulation corrects brownouts and overvoltages from 75V to 147V back to usable 120V output levels, without using battery power
- Hospital-grade plug and outlets offer added degree of safety to input/output connections
- Supports loads up to 1400VA/940 watts
- 24 minutes half load runtime (with 700VA load), 8 minutes full load runtime (with 1400VA load)
- 4 NEMA 5-15R hospital-grade output receptacles; 6-ft. cord
- Hospital-grade NEMA 5-15P input plug
- 1-DB9 serial port for network interface; SNMP compatible
- Complete surge protection and EMI/RFI noise filtering
- PowerAlert unattended shutdown and monitoring software and complete cabling included
- 5 diagnostic LEDs indicate AC present, on battery, voltage correction, overload & battery low/replace
- Battery replacement door
- 2 year product warranty

## TYPICAL APPLICATIONS

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- Ideal UPS protection for network workstations, small office file servers and personal computers.

## OPTIONS & ACCESSORIES

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- SNMP Accessories: [SNMPWEBSOLO](#), [ENVIROSENSE](#)
- Dataline protectors: [DNET1](#), [DTEL2](#), [DCATV](#)
- Wallmount Bracket: [UPSWM](#)
- Circuit Tester: [CT120](#)
- Extended warranties: 3 Year [WEXT3-OMNI](#), 5 Year [WEXT5-OMNI](#)

## PACKAGE INCLUDES

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- OMNISMART1400HG UPS System
- PowerAlert Software and cabling
- Warranty information
- Instruction manual

## COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Line Interactive UPS system with hospital grade plug and outlets, line interactive voltages regulation, AC surge suppression and DB9 communications port
Voltage compatibility:	120 V AC
Frequency compatibility:	60 Hz.
OUTPUT	
Output volt amp capacity (VA):	1400
Output watt capacity (watts):	940
Output nominal voltage:	120V nominal
Output voltage regulation:	LINE MODE: Sine wave line voltage 120V (-18% / +8%) BATTERY MODE: PWM sine wave output 120V +/-5%
Output frequency regulation:	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type:	4 NEMA5-15R Hospital Grade output receptacles
INPUT	
Maximum input amps:	8.25A / 990 watts
Input connection type:	NEMA 5-15P Hospital-Grade
Input cord length:	6 ft, 14 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.
<b>Switches:</b>	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
<b>SURGE / NOISE SUPPRESSION</b>	
<b>AC surge suppression:</b>	Conforms to IEEE 587 / ANSI C62.41 specifications
<b>AC suppression response time:</b>	Instantaneous
<b>EMI / RFI AC noise suppression:</b>	Yes
<b>PHYSICAL</b>	
<b>Shipping weight (lbs):</b>	38
<b>Shipping weight (kg):</b>	17.3
<b>Unit weight (lbs):</b>	36.5
<b>Unit weight (kg):</b>	16.6
<b>Unit Dimensions (HWD/in):</b>	12.5 x 7.5 x 9
<b>Unit Dimensions (HWD/cm):</b>	31.75 x 19.1 x 22.7
<b>Shipping Dimensions (HWD/in):</b>	16.5 x 11 x 12.5
<b>Shipping Dimensions (HWD/cm):</b>	41.9 x 27.9 x 31.8
<b>Material of construction:</b>	Polycarbonate
<b>Form factors supported:</b>	Tower, wall mountable with optional UPSWM accessory
<b>Cooling method:</b>	Convection
<b>Battery Access:</b>	Battery access door user battery replacement
<b>ENVIRONMENTAL</b>	
<b>Operating Temperature:</b>	+32 to +104 degrees Fahrenheit 0 to +40 degrees Celsius
<b>Storage Temperature:</b>	+5 to +122 degrees Fahrenheit -15 to +50 degrees Celsius
<b>Relative Humidity:</b>	0 to 95%, non-condensing
<b>Line mode BTU/hr. (Max.):</b>	81.9
<b>Battery mode BTU/hr. (Max.):</b>	277.9
<b>COMMUNICATIONS</b>	
<b>Network monitoring port:</b>	Includes built-in basic DB9 monitoring port
<b>Software and cabling included:</b>	PowerAlert UPS monitoring software included for all common network and standalone operating systems. Ships with 1 cable.
<b>SNMP compatibility:</b>	Yes, with SNMPWEBSOLO external adapter
<b>LINE / BATTERY TRANSFER</b>	
<b>Transfer time from line power to battery mode:</b>	2-4 milliseconds
<b>Low voltage transfer to battery power:</b>	75V (resets to line power as voltage increases to 79V)
<b>High voltage transfer to battery power:</b>	147V (resets to line power as voltage decreases to 143V)
<b>CERTIFICATIONS</b>	
<b>Certifications:</b>	UL1778 (USA, Series 163655U), cUL (Canada), FCC Class A (emissions)
<b>WARRANTY</b>	
<b>Optional coverage:</b>	3 year, 5 year, next day and on-site warranty coverage available
<b>Product warranty:</b>	2 year product warranty
<b>SPECIAL FEATURES</b>	

<b>Cold Start:</b>	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
<b>Appearance:</b>	Attractive gray tower UPS

*The policy of Tripp Lite is one of continuous improvement.  
Specifications are subject to change without notice.  
Therefore, your product may vary slightly from what is currently listed.*



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