

OmniSmart UPS System

Line-interactive, medical-grade battery backup



Model #: OMNISMART350HG

- ▶ UL 2601-1 listed
- ▶ 330VA line interactive tower UPS system with less than 300 microamps leakage
- ▶ Hospital-grade plug and 4 hospital-grade NEMA5-15R output receptacles
- ▶ Corrects brownouts as low as 83V without using battery power
- ▶ Built-in DB9 communications port
- ▶ 2 line phone suppression for TEL/DSL line protection

DESCRIPTION

Tripp Lite's OMNISMART350HG offers medical-grade UPS protection with built-in line interactive voltage regulation, intelligent monitoring and unattended shutdown capability. Hospital-grade plug & outlets, plus built-in isolation transformer with faraday shield offers full isolation and removes common mode noise. UL 2601-1 listed as medical electrical equipment with less than 300 microamps cumulative leakage current for the UPS and all connected equipment. 330VA power handling capacity supports computers, internetworking equipment and other critical loads during commercial power failures. Line interactive voltage regulation corrects brownouts as low as 83V back to normal 120V levels, saving battery reserves for use only during complete power failures. Includes, 2 line phone surge suppression and built-in DB-9 communications port that works with PowerAlert Software and cabling to provide automatic unattended shutdown of connected network and PC applications.

KEY BUYING POINTS

- Ideal UPS protection for applications in medical patient-care areas where UL2601-1 listed electrical medical equipment is required
- Maintains less than 300 microamps leakage current for UPS and all connected equipment
- Line-interactive voltage regulation corrects brownouts as low as 83V without using battery power
- Hospital-grade plug and outlets offer added degree of safety and reliability to input/output connections
- Full line isolation prevents shock potential and operational problems in sensitive electronic equipment
- Resistant to electrostatic discharge
- Supports loads up to 330VA / 225 watts
- 46 minutes half load runtime (with 165VAload), 18 minutes full load runtime (with 330VA load)
- 4 protected hospital-grade outlets; 6-ft. cord
- 1-DB9 serial port for network interface; SNMP compatible
- Complete surge protection, line isolation and EMI/RFI noise filtering
- 2 phone line surge suppression for modems, fax machines and other phone accessories
- 2 year product warranty
- Complete remote monitoring cabling included, PowerAlert UPS management software available via free download
- 4 diagnostic LEDs indicate AC present, on battery, voltage correction & battery low/replace
- Battery replacement door
- Grounding lug

TYPICAL APPLICATIONS

- Ideal UPS for protection of patient point of care solutions, wireless communications systems, electronic prescribing applications, medical imaging, telemedicine and laboratory equipment. UL2601-1 listing provides ultimate safety and reliability for computer equipment used in patient care areas and mission critical equipment. (Not recommended for life support applications.)

OPTIONS & ACCESSORIES

- [SNMPWEBSOLO](#) - External SNMP/Web management accessory connects UPS to ethernet

- [ENVIROSENSE](#) - Temp/Humidity/Contact Closure monitoring accessory for use with SNMP-SOLO
- UPSWM - Wallmount bracket efficiently secures UPS and SNMP-SOLO card to a wall
- [DNET1](#) - Dataline protection module protects 10/100 baseT network ethernet line

PACKAGE INCLUDES

- OMNISMART350HG Hospital Grade UPS System
- Serial cable for remote monitoring
- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Medical Grade tower line interactive UPS system includes built-in isolation transformer with faraday shield, line interactive voltage regulation, high quality hospital-grade plug and outlets. AC surge suppression, DB9 communications port and two line TEL/DSL modem protection. UL2601-1 listed as medical electrical equipment with less than 300 microamps cumulative leakage current for UPS and all connected loads.
Voltage compatibility:	120 V AC
Frequency compatibility:	60 Hz.
OUTPUT	
Output volt amp capacity (VA):	330
Output watt capacity (watts):	225
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 / watts:	2.3A / 250 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:	18 minutes (330VA)
Half load runtime:	46 minutes (165VA)
DC system voltage:	12 VDC
Typical battery lifespan:	3-6 years, depending on usage
Battery recharge rate:	2-4 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description:	Line interactive UPS offers a single boost level of brownout correction to maintain usable, computer grade output.
Direct pass through:	Input voltages between 108 and 147V AC are passed through unchanged
Brownout correction:	Input voltages between 83 and 107V AC are boosted by 14%

LEDS ALARMS & SWITCHES	
Front panel LEDs:	Yes, includes 4 front-panel status indicator LEDs for line power, battery power, voltage regulation and battery low/replace status
Alarms:	Audible alarm indicates power failure conditions, silenceable via alarm cancel switch. Once cancelled, alarm will resume when approximately 2 minutes of battery operation remain (assuming full load).
Switches:	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
SURGE / NOISE SUPPRESSION	
AC surge suppression:	Conforms to IEEE 587 / ANSI C62.41 specifications
AC suppression response time:	Instantaneous
Dataline suppression:	Two line TEL/DSL surge suppression with RJ-style phone connectors (center 4 wires protected, 260V clamping), includes phone cable
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	26.5
Shipping weight (kg):	12.0
Unit weight (lbs):	25
Unit weight (kg):	11.4
Unit Dimensions (HWD/in):	10.75 x 5.25 x 7.25
Unit Dimensions (HWD/cm):	27.3 x 13.3 x 18.4
Material of construction:	PVC
Form factors supported:	Tower, wall mountable with optional UPSWM accessory
Cooling method:	Convection
Battery Access:	Battery access door allows hot swap battery replacement without powering connected equipment off
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:	Includes built-in basic DB9 monitoring port
Software and cabling included:	Ships with DB9 cable, PowerAlert software available via free download from www.tripplite.com
SNMP compatibility:	External accessory "SNMPWEBSOLO" SNMP / Web adapter available
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode:	2-4 milliseconds
Low voltage transfer to battery power:	83V (resets to line power as voltage increases to 87V)
High voltage transfer to battery power:	147V (resets to line power as voltage decreases to 143V)
CERTIFICATIONS	
Certifications:	UL1778 (USA, Series AGOM350KSR57HG), UL2601-1 (Medical), cUL (Canada), FCC Class B (emissions), FCC Part 68 / Industry of Canada (telecommunications)
WARRANTY	

Optional coverage:	3 year, 5 year, next day and on-site warranty coverage available
Product warranty:	2 year product warranty
SPECIAL FEATURES	
Cold Start:	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance:	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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