

Omni Smart UPS System

Line-interactive, medical-grade battery backup



Cisco
Compatible

CISCO SYSTEMS
Technology
Developer
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Model #: OMNISMART350HG

- ▶ UL 60601-1 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 OMNI SMART 350HG 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 60601-1 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 UL 60601-1 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 165VA load), 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. UL 60601-1 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

- 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

- OMNI SMART 350HG 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:

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.*



Tripp Lite World Headquarters
1111 W. 35th Street
Chicago, IL 60609 USA

Customer Support
(773) 869-1234

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