

## OmniSmart 120V 330VA 225W UL 60601-1 Medical Grade Line-Interactive UPS, Tower, DB9 Serial

MODEL NUMBER: **OMNISMART350HG**



### Description

OMNISMART350HG offers medical-grade UPS protection with built-in line-interactive voltage regulation, intelligent monitoring and unattended shutdown capability. Hospital-grade plug and outlets, plus built-in isolation transformer with Faraday shield offers full isolation and removes common mode noise equal to 100 microamps. UL 60601-1 listed as medical electrical equipment. 330VA power handling capacity supports computers, inter-networking 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 two-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.

### Application Usage

This UPS contains a lead acid battery designed to be connected continuously to an AC power source, except during brief power outages. It is not intended for frequent charge/discharge cycles, such as mobile cart applications where the UPS is often disconnected from the power source. Using the OMNISMART350HG in this type of application will void the battery warranty.

### Features

- Ideal UPS protection for applications in medical patient-care areas where UL 60601-1 listed electrical medical equipment is required
- 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
- Complete surge protection, line isolation and EMI/RFI noise filtering
- 2 phone line surge suppression for modems, fax machines and other phone accessories
- Complete remote monitoring cabling included, PowerAlert UPS management software available via free download

### Highlights

- 330VA line interactive tower UPS
- Maintains sine-wave 120V nominal output over an input range of 83 to 132V
- Professional features include serial port, hospital grade plug and outlets, built-in isolation transformer and UL60601-1 listing
- Input: Hospital-grade NEMA 5-15P (120V 15A) / Output: 4 Hospital-grade NEMA 5-15R (120V)
- 2 line phone suppression for TEL/DSL line protection
- Leakage current less than 100 microamps
- Approved for use within the Patient Care Vicintiy
- Approved to EN60601-1-2:2015 and IEC60601-1-2:2014, 4th Edition

### Package Includes

- OMNI SMART 350HG Hospital Grade UPS System
- Serial cable for remote monitoring
- Warranty information
- Instruction manual



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- 4 diagnostic LEDs indicate AC present, on battery, voltage correction & battery low/replace
- Battery replacement door and back panel grounding lug

## Specifications

OVERVIEW	
UPC Code	037332098542
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	2.3A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P-HG
Input Circuit Breakers	3.5A
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
Maximum Input Amps	2
OUTPUT	
Output Capacity (VA)	330
Output Capacity (kVA)	0.33
Output Capacity (Watts)	225
Output Capacity (kW)	0.225
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacle Details	Hospital grade output receptacles
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(4) 5-15R
Individually Controllable Load Banks	No





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Primary UPS Width (mm)	132
Shipping Dimensions (hwd / in.)	14.00 x 8.00 x 10.10
Shipping Dimensions (hwd / cm)	35.56 x 20.32 x 25.65
Shipping Weight (lbs.)	27.80
Shipping Weight (kg)	12.61
UPS Housing Material	PVC
UPS Power Module Dimensions (hwd, cm)	27.43 x 13.21 x 18.29
UPS Power Module Dimensions (hwd, in.)	10.8 x 5.2 x 7.2
UPS Power Module Weight (kg)	11.34
UPS Power Module Weight (lbs.)	25
Unit Weight (lbs.)	25.0000
Unit Weight (kg)	11.34
<b>ENVIRONMENTAL</b>	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	0-95% non-condensing
AC Mode BTU / Hr. (Full Load)	48.8
AC Mode Efficiency Rating (100% Load)	94%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	215.8
Battery Mode Heat Dissipation (BTU/Hr) @ Half Load	78.3
<b>COMMUNICATIONS</b>	
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>
Communications Cable	DB9 serial cable included
Network Management Card Description	Network management not supported
Communications Interface	DB9 Serial
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	89
High Voltage Transfer to Battery Power (Setpoint)	139



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FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries; Surge/noise protection
Grounding Details	Grounding lug
APPLICATIONS	
UPS Applications	Hospital/Medical
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778; UL 60601-1; NOM (Mexico)
Product Compliance	RoHS; FCC Part 15 Class B (USA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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