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

MODEL NUMBER: **OMNISMART350HG**

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 & 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 & IEC60601-1-2:2014, 4th Edition

Package Includes

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

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 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, 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.

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

- 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	
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
Input Phase	Single-Phase

OUTPUT	
Output Volt Amp Capacity (VA)	330
Output Watt Capacity (Watts)	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

BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)

Full Load Runtime (min.)	18 min. (225w)
Half Load Runtime (min.)	46 min. (115w)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	RBC52 (quantity 2)
Battery Replacement Description	Hot-swappable, user replaceable batteries

VOLTAGE REGULATION

Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 89
Undervoltage Correction	Input voltages between 89 and 107 are boosted by 14%

USER INTERFACE, ALERTS & CONTROLS

Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure and low-battery conditions
LED Indicators	4 LEDs indicate line power, battery power, overload and battery low/replace status

ISOLATION

Output Isolation Transformer	Hospital grade load isolation transformer

SURGE / NOISE SUPPRESSION

UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	2 line TEL/DSL
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Primary Form Factor	Tower
Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary UPS Depth (mm)	183
Primary UPS Height (mm)	274
Primary UPS Width (mm)	132

Shipping Dimensions (hwd / cm)	35.56 x 20.32 x 25.65
Shipping Dimensions (hwd / in.)	14.00 x 8.00 x 10.10
Shipping Weight (kg)	12.61
Shipping Weight (lbs.)	27.80
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
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	48.8
Battery Mode BTU / Hr. (Full Load)	215.8
AC Mode Efficiency Rating (100% Load)	94%
COMMUNICATIONS	
PowerAlert Software	For local monitoring via the UPS's built-in communication ports , download PowerAlert Local software at https://www.tripplite.com/poweralert
Communications Cable	DB9 serial cable included
Network Management Card Description	Network management not supported
Communications Interface	DB9 Serial
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	89
High Voltage Transfer to Battery Power (Setpoint)	139
FEATURES & SPECIFICATIONS	
Grounding Lug	Grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries; Surge/noise protection

STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778; UL 60601-1
Product Compliance	RoHS; FCC Part 15 Class B (USA)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty