OmniSmart 230V 350VA 225W CE/IEC 60601-1 Medical Grade Line-Interactive UPS with Built-In Isolation Transformer

MODEL NUMBER: **OMNIX350HG**





Highlights

- 350VA line interactive tower UPS
- Professional features include USB port, IEC320 plug and outlets, built-in isolation transformer
- Input: IEC320 C14 inlet (230V) / Output: 6 IEC320 C13 (230V)
- 2 line phone suppression for TEL/DSL line protection
- Approved for use within the Patient Care Vicinity
- Approved to EN60601-1-2:2015, 4th Edition

Package Includes

- OMNIX350HG Hospital Grade UPS System
- USB communication and telephone cables included
- Warranty information
- Instruction manual

Description

The OMNIX350HG offers medical-grade UPS protection with built-in line-interactive voltage regulation. IEC320 plug and outlets, plus built-in isolation transformer with Faraday shield offer full isolation and remove common mode noise. Tested to CE/IEC 60601-1 as medical electrical equipment. 350VA 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 159V back to normal 230V levels, saving battery reserves for use only during complete power failures. Includes two-line phone surge suppression and built-in USB communications port.
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 OMNIX350HG in this type of application will void the battery warranty.

Features

- Ideal UPS protection for applications in medical patient-care areas where CE/ IEC 60601-1 electrical medical equipment is required
- Line-interactive voltage regulation corrects brownouts as low as 159V without using battery power
- IEC320 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 350VA/225 watts
- 37 minutes half load runtime (with 175VA load), 15.5 minutes full load runtime (with 350VA load)
- 6 protected outlets; 6-inch dongle with IEC C14 inlet
- C14 inlet accepts user-supplied AC power cord with grounded country-specific plug
- 1-USB port for monitoring interface
- Complete surge protection, line isolation and EMI/RFI noise filtering
- 2 phone line surge suppression for modems, fax machines and other phone accessories
- 4 diagnostic LEDs indicate AC present, on battery, voltage correction & battery low/replace
- Battery replacement door and back panel equipotential connection (grounding lug)
- Ground Potential Equalization Connector: POAG-S6/20

Specifications

OVERVIEW	
UPC Code	037332140432
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	1.8A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C14 inlet
UPS Input Connection Description	C14 inlet accepts user-supplied AC power cord with grounded country-specific plug
UPS Input Cord Length (ft.)	0.50
UPS Input Cord Length (m)	0.2
Recommended Electrical Service	10A 230V
Voltage Compatibility (VAC)	230
OUTPUT	
Output Capacity (VA)	350
Output Capacity (kVA)	0.35
Output Capacity (Watts)	225
Output Capacity (kW)	0.225
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	-18%, +8%
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(6) C13
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	15.5 min. (225W)
Runtime Half Load (min.)	37 min. (113W)

Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 7.2 hours from 10% to 90%
Battery Access	Battery access door allows hot-swap battery replacement without powering connected equipment off
Internal UPS Replacement Battery Cartridge	RBC52 (quantity 2)
Typical Battery Lifespan	3-6 years, depending on usage
VOLTAGE REGULATION	
Voltage Regulation Description	Line interactive UPS offers a single boost level of brownout correction to maintain usable, computer grade output
Undervoltage Correction	Input voltages between 159 and 199 are boosted by 14%
USER INTERFACE, ALERTS & CONTROLS	
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
Audible Alarm	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)
LED Indicators	4 LEDs indicate line power, battery power, overload and battery low/replace status
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
Dataline Suppression	2-Line Tel/DSL
PHYSICAL	
Primary Form Factor	Tower
Cooling Method	Convection
Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary UPS Depth (mm)	188
Primary UPS Height (mm)	269
Primary UPS Width (mm)	132
Shipping Dimensions (hwd / in.)	14.13 x 10.43 x 8.23
Shipping Dimensions (hwd / cm)	35.89 x 26.49 x 20.90
Shipping Weight (lbs.)	27.40
Shipping Weight (kg)	12.43
UPS Housing Material	PVC
UPS Power Module Dimensions (hwd, cm)	26.92 x 13.21 x 18.80

UPS Power Module Dimensions (hwd, in.)	10.6 x 5.2 x 7.4
UPS Power Module Weight (kg)	11.52
UPS Power Module Weight (lbs.)	25.4
Unit Weight (lbs.)	25.4000
Unit Weight (kg)	11.52
ENVIRONMENTAL	
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 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	15.6
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	124.5
COMMUNICATIONS	
Network Management Card Description	Network management not supported
Communications Interface	USB
LINE / BATTERY TRANSFER	
Transfer Time	5 milliseconds AC to battery; 8 milliseconds battery to AC
Low Voltage Transfer to Battery Power (Setpoint)	159
High Voltage Transfer to Battery Power (Setpoint)	266
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Surge/noise protection
Grounding Details	Ground Potential Equalization Connector: POAG-S6/20
APPLICATIONS	
UPS Applications	Hospital/Medical
STANDARDS & COMPLIANCE	
Product Certifications	IEC 60601-1
Product Compliance	RoHS; CE (Europe); FCC Part 15 Class B (USA)
WARRANTY & SUPPORT	
Product Warranty Period (International)	2-year limited warranty

Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	2-year limited warranty

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