

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

MODEL NUMBER: **OMNIX350HG**



Description

Tripp Lite's OMNIX350HG offers medical-grade UPS protection with built-in line interactive voltage regulation. IEC320 plug & outlets, plus built-in isolation transformer with Faraday shield offers full isolation and removes 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, 2 line phone surge suppression and built-in USB communications port.

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 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

Highlights

- 350VA line interactive tower UPS
- Professional features include USB port, IEC320 plug & 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



- 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 | |
| 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 |
| Input Phase | Single-Phase |
| OUTPUT | |
| Output Volt Amp Capacity (VA) | 350 |
| Output Watt Capacity (Watts) | 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) |
| Full Load Runtime (min.) | 15.5 min. (225w) |
| Half Load Runtime (min.) | 37 min. (115w) |
| 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 | |
| Cooling Method | Convection |
| Installation Form Factors Supported with Included Accessories | Tower |
| Installation Form Factors Supported with Optional Accessories | Wallmount (UPSWM - tower mounting kit) |
| Primary Form Factor | Tower |
| Primary UPS Depth (mm) | 188 |
| Primary UPS Height (mm) | 269 |
| Primary UPS Width (mm) | 132 |
| Shipping Dimensions (hwd / cm) | 35.89 x 26.49 x 20.90 |



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|---|--|
| Shipping Dimensions (hwd / in.) | 14.13 x 10.43 x 8.23 |
| Shipping Weight (kg) | 12.43 |
| Shipping Weight (lbs.) | 27.40 |
| 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 |
| 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) | 15.6 |
| Battery Mode BTU / Hr. (Full Load) | 124.5 |
| COMMUNICATIONS | |
| 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 |
| SPECIAL FEATURES | |
| Grounding Lug | Ground Potential Equalization Connector: POAG-S6/20 |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Surge/noise protection |
| STANDARDS & COMPLIANCE | |
| Certifications | Tested to CE/ IEC 60601-1 (Series AGOM6832), Class B (emissions) |
| UPS Certifications | CE; Tested to UL60601-1 (medical grade) |
| WARRANTY | |
| Product Warranty Period (International) | 2-year limited warranty |



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

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