

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, intelligent monitoring and unattended shutdown capability. 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 that works with PowerAlert Software and cabling to provide automatic unattended shutdown of connected network and PC applications.

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 dangle 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
- Complete remote monitoring cabling included, PowerAlert UPS management software available via free download

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

Applications

Ideal UPS for protection of patient point of care solutions, wireless communications systems, electronic prescribing applications, medical imaging, telemedicine and laboratory equipment. Units tested to CE/IEC 60601-1 provides ultimate safety and reliability for computer equipment used in patient care areas and mission critical equipment. (Not recommended for life support applications.)

Package Includes

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



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

Specifications

| OUTPUT | |
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| Output Volt Amp Capacity (VA) | 350 |
| Output Watt Capacity (Watts) | 225 |
| Nominal Output Voltage(s) Supported | 220V; 230V; 240V |
| 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 Receptacles | (6) C13 |
| Output AC Waveform (Battery Mode) | PWM sine wave |
| 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.) | 6 inch dongle, 16 gauge |
| UPS Input Cord Length (m) | 1.83 |
| Recommended Electrical Service | 10A 230V |
| Voltage Compatibility (VAC) | 230 |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 15.5 min. (225w) |
| Half Load Runtime (min.) | 37 min. (115w) |
| DC System Voltage (VDC) | 12 |
| Battery Recharge Rate (Included Batteries) | Less than 7.2 hours from 10% to 90% |
| Internal UPS Replacement Battery Cartridge | RBC52 (quantity 2) |
| Battery Access | Battery access door allows hot-swap battery replacement without powering connected equipment off |



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| 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 | |
| Installation Form Factors Supported with Included Accessories | Tower |
| Installation Form Factors Supported with Optional Accessories | Wallmount (UPSWM - tower mounting kit) |
| Primary Form Factor | Tower |
| UPS Power Module Dimensions (hwd, in.) | 10.6 x 5.2 x 7.4 |
| UPS Power Module Dimensions (hwd, cm) | 26.9 x 13.1 x 18.8 |
| UPS Power Module Weight (lbs.) | 25.4 |
| UPS Power Module Weight (kg) | 11.5 |
| UPS Shipping Dimensions (hwd / in.) | 14.1 x 10.4 x 8.2 |
| UPS Shipping Dimensions (hwd / cm) | 35.9 x 26.5 x 20.9 |
| Shipping Weight (lbs.) | 27.4 |
| Shipping Weight (kg) | 12.3 |
| Cooling Method | Convection |
| UPS Housing Material | PVC |
| ENVIRONMENTAL | |
| Operating Temperature Range | +32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius |



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| 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 | Equipotential connection (grounding lug) |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| CERTIFICATIONS | |
| UPS Certifications | CE; Tested to UL60601-1 (medical grade) |
| Certifications | Tested to CE/ IEC 60601-1 (Series AGOM6832), Class B (emissions) |
| WARRANTY | |
| 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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