



Model #: OMNISMART350HG

Omni Smart UPS System - Line-interactive, medical-grade battery backup



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

Description

Tripp Lite's OMNI SMART 350HG 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. 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.

Applications

Ideal UPS for protection of patient point of care solutions, wireless communications systems, electronic prescribing applications, medical imaging, telemedicine and laboratory equipment. UL 60601-1 listing 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

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

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
 2 year product warranty
 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
 Grounding lug

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 V AC
Frequency compatibility	60 Hz.
OUTPUT	
Output VA	330
Output watts	225
Output nominal voltage	120V Nominal
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%) BATTERY MODE: PWM sine wave output 120V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz. +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	4 NEMA 5-15R-HG Hospital-Grade
INPUT	
Maximum input amps	2.3A / 250 watts
Input connection type	NEMA 5-15P-HG Hospital-Grade
Input cord length	6 ft, 14 gauge
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime	18 minutes (330VA)
Half load runtime	46 minutes (165VA)
DC system voltage	12 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
Replacement Battery Cartridge	RBC52 (quantity 2)
VOLTAGE REGULATION	
Voltage regulation description	Line interactive UPS offers a single boost level of brownout correction to maintain usable, computer grade output.
Direct pass through	Input voltages between 108 and 147V AC are passed through unchanged
Brownout correction	Input voltages between 83 and 107V AC are boosted by 14%
LEDS ALARMS & SWITCHES	
Front panel LEDs	Yes, includes 4 front-panel status indicator LEDs for line power, battery power, voltage regulation and battery low/replace status
Alarms	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).
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions
SURGE / NOISE SUPPRESSION	

AC suppression response time	Instantaneous
Dataline suppression	2-Line Tel/DSL
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	26.5
Shipping weight (kg)	12.0
Unit weight (lbs)	25
Unit weight (kg)	11.4
Unit Dimensions (HWD/in)	10.75 x 5.25 x 7.25
Unit Dimensions (HWD/cm)	27.3 x 13.3 x 18.4
Material of construction	PVC
Form factors supported	Tower
Cooling method	Convection
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
ENVIRONMENTAL	
Operating Temperature	+32 to +104 degrees Fahrenheit, 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit, -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
COMMUNICATIONS	
Network monitoring port	DB9
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	83V (resets to line power as voltage increases to 87V)
High voltage transfer to battery power	147V (resets to line power as voltage decreases to 143V)
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive gray tower UPS
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA, Series AGOM350KSR57HG), UL60601-1 (Medical), cUL (Canada), Class B (emissions), FCC Part 68 / Industry of Canada (telecommunications)
WARRANTY	
Product warranty	2 year product warranty
Optional coverage	3 year, 5 year, next day and on-site warranty coverage available

Related Items

Extended Warranties		
WEXT3-OMNI	3-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	Qty: [optional]
WEXT5-OMNI	5-Year Extended Warranty - For OmniSmart, OmniPro, OmniVS	Qty: [optional]
Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]
Wallmount Bracket		
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	Qty: [optional]

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