

# Omni Smart UPS System - Line-interactive, tower battery backup with hospital grade plug and receptacles

MODEL NUMBER: **OMNISMART700HG**

## Description

Tripp Lite's OMNI SMART 700HG offers UPS protection, built-in line interactive voltage regulation, intelligent monitoring and unattended shutdown capability. 700VA power handling capacity supports computers, internetworking equipment and other critical loads during commercial power failures. Line interactive voltage regulation corrects brownouts as low as 75V and overvoltages as high as 147V back to normal 120V levels, saving battery reserves for use only during complete power failures. Includes 4 hospital grade outlets, diagnostic LEDs and built-in DB9 communications port that works with web downloadable PowerAlert Software and cabling to provide automatic unattended shutdown of connected network and PC applications.

## Features

- Ideal UPS protection for mission critical equipment and computers where hospital-grade input/output connections are required
- Provides connected equipment with continuous power during short and long duration loss of commercial power
- Line-interactive voltage regulation corrects brownouts and overvoltages from 75 to 147 volts back to usable 120v output levels, without using battery power
- Hospital-grade plug and outlets offer added degree of safety to input/output connections
- Supports loads up to 700VA/425 watts
- 22 minutes half load runtime (with 350VA load), 9 minutes full load runtime (with 700VA load)
- Hospital grade input plug and 4 NEMA5-15R hospital grade output receptacles
- 1-DB9 serial port for network interface; SNMP compatible
- Surge protection and EMI/RFI noise filtering
- PowerAlert UPS monitoring and auto-shutdown software available for free download from [tripplite.eaton.com](http://tripplite.eaton.com)
- Includes complete cabling for remote monitoring via PowerAlert software
- 4 diagnostic LEDs indicate AC present, on battery, voltage correction & battery low/replace
- Battery replacement door
- 2 year product warranty

## Highlights

- 700VA line interactive tower UPS system
- Hospital grade plug and 4 NEMA5-15R hospital grade output receptacles
- Corrects brownouts and overvoltages from 75 to 147V without using battery power
- Enhanced DB9 communications port

## Package Includes

- OMNI SMART 700HG UPS System
- RS-232 monitoring cable
- Warranty information
- Instruction manual

## Specifications

OVERVIEW	
UPC Code	037332100504
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P-HG
UPS Input Cord Length (ft.)	6



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UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
Maximum Input Amps	3.8
Maximum Input Watts	460
Input Connection Type	NEMA 5-15P Hospital-Grade
Voltage Compatibility (VAC)	120
<b>OUTPUT</b>	
Output Capacity (VA)	700
Output Capacity (Watts)	425
Frequency Compatibility	60 Hz
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(4) 5-15R-HG
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
Individually Controllable Load Banks	No
<b>BATTERY</b>	
Runtime Full Load (min.)	9 min.
Runtime Half Load (min.)	22 min.
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off
Replacement Battery Cartridge	&nbsp;<a class="productLink" href="//tripplite.eaton.com/UPS-Replacement-Battery-Cartridge-select-Tripp-Lite-Best-Liebert-Minuteman-other-UPS~RBC52">RBC52</a>&nbsp;  (quantity 2)
Typical Battery Lifespan	3-6 years, depending on usage
Battery Charge	2-4 hours to 90%
<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
Overvoltage Correction	Input voltages between 128 and 147V AC are reduced by 12%
Brownout Correction	Input voltages between 93 and 107V AC are boosted by 14%
Severe Brownout Correction	Input voltages between 75 and 92V AC are boosted by 30%

<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
Front Panel LEDs	4 front-panel indicator LEDs to display line power status, battery power status, battery low/replace status and voltage regulation operation
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).
<b>SURGE / NOISE SUPPRESSION</b>	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous
Dataline Suppression	-
<b>PHYSICAL</b>	
Primary Form Factor	Tower
Material of Construction	PVC
Cooling Method	Convection
Form Factors Supported	Tower
Shipping Dimensions (hwd / in.)	14.00 x 8.50 x 11.00
Shipping Dimensions (hwd / cm)	35.56 x 21.59 x 27.94
Shipping Weight (lbs.)	23.00
Shipping Weight (kg)	10.43
Unit Dimensions (hwd / in.)	10.750 x 5.250 x 7.500
Unit Dimensions (hwd / cm)	27.3 x 13.3 x 18.4
Unit Weight (lbs.)	20
Unit Weight (kg)	9.07
<b>ENVIRONMENTAL</b>	
Relative Humidity	0 to 95%, non-condensing
<b>COMMUNICATIONS</b>	
Network Monitoring Port	DB9
Communications Interface	DB9 Serial
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time (Line Power to Battery Mode)	2-4 milliseconds
Low Voltage Transfer to Battery Power	75V (resets to line power as voltage increases to 79V)
High Voltage Transfer to Battery Power	147V (resets to line power as voltage decreases to 143V)



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FEATURES & SPECIFICATIONS	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
APPLICATIONS	
UPS Applications	Hospital/Medical
STANDARDS & COMPLIANCE	
Product Certifications	UL 1778
Product Compliance	FCC Part 15 Class A (USA); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3 year, 5 year, next day and on-site warranty coverage available

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