

## OmniSmart 330VA Medical Grade Tower Line-Interactive 120V UPS with Serial port

MODEL NUMBER: AL-59799



### Description

ALCO Sales AL-5799 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 equal to 100 microamps. 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.

### 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
- 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 and back panel grounding lug

### 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
- Leakage current less than 100microamps

### Package Includes

- AL-59799 350HG Hospital Grade UPS System
- Serial cable for remote monitoring
- Warranty information
- Instruction manual

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	330
Output Watt Capacity (watts)	225
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-18%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	4 5-15R outlet(s)
Output receptacle details	Hospital grade output receptacles
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	2.3A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P-HG
Input circuit breaker	3.5A
UPS Input cord length (ft.)	6
UPS Input cord length (m)	1.8
Recommended Electrical Service	15A 120V
Phase	Single-Phase
BATTERY	
Full load runtime (minutes)	18 min. (225w)
Half load runtime (minutes)	46 min. (115w)
DC system voltage (VDC)	12
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	
Battery Access	Battery access door
Battery replacement description	Hot-swappable, user replaceable batteries

VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation (AVR) maintains line power operation with input voltage as low as 89
Undervoltage correction	Input voltages between 89 and 107 are boosted by 14%
LEDS ALARMS & SWITCHES	
LED Indicators	4 LEDs indicate line power, battery power, overload and battery low/replace status
Alarms	Audible alarm indicates power-failure and low-battery conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
SURGE / NOISE SUPPRESSION	
UPS AC suppression response time	Instantaneous
UPS Dataline suppression	2 line TEL/DSL
EMI / RFI AC noise suppression	Yes
ISOLATION	
Output isolation transformer	Hospital grade load isolation transformer
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 in primary form factor (height x width x depth / inches)	10.8 x 5.2 x 7.2
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	27.3 x 13.3 x 18.4
UPS / Power Module weight (lbs)	25
UPS / Power Module weight (kg)	11.4
UPS Shipping dimensions (height x width x depth / inches)	14 x 8.5 x 11
UPS Shipping dimensions (height x width x depth / cm)	35.6 x 21.6 x 27.9
Shipping weight (lbs)	28
Shipping weight (kg)	12.7
UPS housing material	PVC

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)	48.8
Battery mode BTU / hr. (full load)	215.8
AC mode efficiency rating (100% load)	94%
COMMUNICATIONS	
Communications interface	DB9 Serial
PowerAlert software	Free download from <a href="http://www.tripplite.com">www.tripplite.com</a>
Communications cable	DB9 serial cable included
LINE / BATTERY TRANSFER	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	89
High voltage transfer to battery power (setpoint)	139
SPECIAL FEATURES	
Grounding lug	Grounding lug
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category B (EMI); Tested to UL60601-1 (medical grade)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty

More information, including related products, owner's manuals, and additional technical specifications, can be found online at:

[www.alcosales.com](http://www.alcosales.com)

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