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SmartPro Medical Grade .7kVA 120V Line interactive Tower UPS, full isolation, USB & Serial ports

MODEL NUMBER: AL-59798





Highlights

- · 700VA line interactive tower UPS
- Maintains 120V nominal output over an input range of 82 to 142V
- Professional features include serial port, hospital grade plug & outlets, built-in isolation transformer and UL60601-1 listing
- Input: NEMA 5-15P (120V 15A) / Output: 4 NEMA 5-15R (120V)
- Leakage current less than 100 microamps

Package Includes

- AL-59798 Medical Grade UPS System
- One USB and One DB9 monitoring cable
- Warranty information
- Instruction manual

Description

ALCO Sake AL-56760 offers medical-grade UPS protection with built-in line interactive voltage regulation, intelligent monitoring and unatended strukturdown capability. UL 6000-11 fields a medical detectional equipment with instation transmore with Frankay built dramoves common mode noise while maintaining full AC surge suppression in all modes less than 100 microamps. Resistant to electrostatic discharge. Includes high quality hospital-grade plug and outlets. 700X power handling capacity supports computers, inter-networking equipment and other critical loads during commercial power failures. To use instructive voltage regulation corrects towards as low as 81 van do overbalgaes as high as 143 acts to name 1201 levels, subgo battery networks for use only during complete power failures. Includes 4 outlets, diagnostic LEDs and builtin UB8. R FS-322 communications posts that work with downloadable PowerArts Goffmer and cabing to provide undomatic unatendered advictioner of complete levels work with downloadable

Features

- · Ideal UPS protection for applications in medical patient-care areas where UL 60601-1 listed medical electrical equipment is required
- Built-in isolation transformer with Faraday shield offers full isolation and removes common mode noise while maintaining full AC surge suppression in all modes
- Line-interactive voltage regulation corrects brownouts and overvoltages from 81 to 143 volts back to usable 120V output levels, without using battery
 power
- · Hospital-grade plug and outlets offer added degree of safety and reliability to input/output connections
- · Full line isolation offers a higher degree of safety and prevents operational problems in sensitive electronic equipment
- · Resistant to electrostatic discharge
- Supports loads up to 700VA/450 watts
- · 42 minutes half load runtime (with 350VA load), 18 minutes full load runtime (with 700VA load)
- · 4 protected hospital-grade outlets; 6-ft. cord
- · RS-232 and USB monitoring ports for remote monitoring and unattended shutdown
- · PowerAlert unattended shutdown
- · Complete surge protection, line isolation and EMI/RFI noise filtering
- · 5 diagnostic LEDs indicate AC present, on battery, voltage correction, overload & battery low/replace



· Battery replacement door and back panel grounding lug

Specifications

OUTPUT		
Output Volt Amp Capacity (VA)	700	
Output Watt Capacity (watts)	450	
Output power factor	0.6	
Nominal Output Voltage(s) Supported	115V; 120V	
Frequency compatibility	60 Hz	
Output voltage regulation (line mode)	-18%, +8%	
Output voltage regulation (Battery mode)	115V (*/- 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)	5.5A	
Nominal Input Voltage(s) Supported	120V AC	
UPS input connection type	5-15P-HG	
Input circuit breaker	10A	
UPS Input cord length (ft.)	6	
UPS Input cord length (m)	1.8	
Recommended Electrical Service	15A 120V	
Input cord length (ft.)	6	
Input cord length (m)	1.8	
Phase	Single-Phase	
BATTERY		
Full load runtime (minutes)	18 min. (450w)	
Half load runtime (minutes)	42 min. (225w)	
DC system voltage (VDC)	36	
Battery recharge rate (included batteries)	Less than 4 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 an input voltage range of 81 to 143	
Overvoltage correction	Input voltages between 126 and 143 are reduced by 9%	
Undervoltage correction	Input voltages between 96 and 106 are boosted by 10%	
Severe undervoltage correction	Input voltages between 81 and 95 are boosted by 21%	
LEDS ALARMS & SWITCHES		
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status	
Alarms	Audible alarm indicates power-failure, overload 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 joule rating	480	
UPS AC suppression response time	Instantaneous	
EMI / RFI AC noise suppression	Yes	
AC suppression joule rating	480	
AC suppression response time	Instantaneous	
ISOLATION		
Output isolation transformer	Hospital grade load isolation transformer	
Leakage current	Equal to 100 microamps	
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)	12.8 x 7.5 x 9	



UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	32.4 x 19 x 22.9	
UPS / Power Module weight (lbs)	44.2	
UPS / Power Module weight (kg)	20.1	
UPS Shipping dimensions (height x width x depth / inches)	18.2 x 11.8 x 13.5	
UPS Shipping dimensions (height x width x depth / cm)	46.4 x 29.8 x 34.3	
Shipping weight (lbs)	49	
Shipping weight (kg)	22.2	
Cooling method	Fan	
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)	97.7	
Battery mode BTU / hr. (full load)	189.1	
AC mode efficiency rating (100% load)	94%	
COMMUNICATIONS		
Communications interface	USB; DB9 Serial	
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions	
PowerAlert software	Included	
Communications cable	USB and DB9 serial cabling included	
LINE / BATTERY TRANSFER		
Transfer time	2-4 milliseconds	
Low voltage transfer to battery power (setpoint)	81	
High voltage transfer to battery power (setpoint)	143	
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	
Green & high efficiency features	Greater than 95% efficiency - GREEN UPS	
CERTIFICATIONS		
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category A (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

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