



samlexamerica®

15A



Automatic Switch Mode Battery Charger

Model
SEC-2415UL
15 Amps
24 VDC

Design Features

- Switch mode technology for high efficiency, lightweight and quiet operation
- Automatic operation for ALL Lead Acid Batteries: Flooded, AGM or Gel Cell
- Can charge 3 banks of batteries simultaneously, no isolator necessary
- Can be used as a power supply or DC UPS when used in conjunction with a battery
- User Configurable AC Input voltage 120 or 230 VAC, 50 / 60 Hz
- User Selectable (by DIP Switch) for 2 or 3 stage, rapid and safe charging of stand-alone and loaded Lead Acid Batteries
- Ammeter & LED power status indicator
- Protections: Short circuit, overload, reverse battery polarity
- Fan cooled

2 YEAR LIMITED WARRANTY



MODEL NO.		SEC-2415UL
INPUT	NOMINAL INPUT VOLTAGE AND FREQUENCY	120 VAC, 50 / 60 Hz (Default) ; 230 VAC, 50 / 60Hz (Internal jumper setting)
	AC INPUT CONNECTION	Attached Power Cord: 6 ft length ; 3 x 18AWG wire size ; NEMA5-15P Plug
OUTPUT	CHARGING CURRENT	15A
	CHARGING STAGES	3 Stages (DIP Switch setting - Default): Bulk, Absorption and Float 2 Stages (DIP Switch setting): Bulk and Float
	CHARGING VOLTAGES	Absorption: 28.8 VDC (Default) ; 28.0 VDC (DIP Switch setting) ; Disable (DIP Switch setting)
		Float: 27.0VDC
	NO. OF CHARGING BANKS	3
MONITORING	LED DISPLAY	Red LED: Output is available
	ANALOGUE METER	Ammeter: 0 to 15A
COOLING	TYPE OF COOLING	Temperature controlled fan: • On when power transformer temperature rises to 60°C / 140°F • Off when cools down to 50°C / 122°F
	OUTPUT SHORT CIRCUIT	No output voltage. Auto reset on removal of short
PROTECTIONS	INPUT OVERLOAD	8A input side fuse will blow (120 VAC input)
	OUTPUT OVERLOAD	Electronic current limit at 15A
	REVERSE POLARITY ON OUTPUT SIDE	2 x 10A output side fuse will blow
	OVER TEMPERATURE SHUT DOWN	Power transformer temperature rises to 105°C / 221°F
FUSES	INTERNAL AC INPUT SIDE FUSE (120 VAC OPERATION)	8A, 250V; Size 5mm x 20mm; Time Delay Type Mfr.: Littelfuse 0218008 or equivalent
	INTERNAL AC INPUT SIDE FUSE (230 VAC OPERATION)	4A, 250V; Size 5mm x 20mm; Time Delay Type Mfr.: Littelfuse 0218004 or equivalent
	INTERNAL DC OUTPUT SIDE FUSE	2 x (32V, 10A); Automotive Blade Type; Fast Acting Mfr.: Littelfuse 0287010 or equivalent
ENVIRONMENT	OPERATING TEMPERATURE RANGE	-20°C to +40°C / -4°F to +104°F
	STORAGE TEMPERATURE	-30°C to +70°C / -22°F to +158°F
	RELATIVE HUMIDITY	Up to 90%, non condensing
	OPERATING CONDITIONS	Indoor, ventilated, cool and dust free
COMPLIANCE	SAFETY	Intertek-ETL Listed as follows: • Conforms to ANSI/UL Standard 1564 • Certified to CAN/CSA STD. C22.2 No. 107.2
	EMI	FCC Part 15(B), Class B
DIMENSIONS	L x W x H	280 x 214 x 83 mm / 11.0 x 8.4 x 3.3 in
	WEIGHT	2.9 kg / 6.4 lbs

NOTES: 1. DC voltages are based on battery temperature of 86° F / 26.7°C
2. Specifications are subject to change without notice

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