



Automatic Switch Mode Battery Charger

Model
SEC-1230UL
30 Amps
12 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-1230UL
INPUT	NOMINAL INPUT VOLTAGE AND FREQUENCY	120 VAC, 50 / 60 Hz (Default) ; 230 VAC, 50 / 60Hz (Internal jumper setting)
	AC INPUT CURRENT	(i) At 120 VAC: 6.5A, (ii) At 230 VAC: 3.5A
	AC INPUT CONNECTION	Attached Power Cord: 6 ft length ; 3 x 18AWG wire size ; NEMA5-15P Plug
OUTPUT	CHARGING CURRENT	30A
	CHARGING STAGES	3 Stages (DIP Switch setting - Default): Bulk, Absorption and Float 2 Stages (DIP Switch setting): Bulk and Float
	CHARGING VOLTAGES	Absorption: 14.4 VDC (Default) ; 14.0 VDC (DIP Switch setting) ; Disable (DIP Switch setting)
	NO. OF CHARGING BANKS	3
	OUTPUT CONNECTIONS	Tubular Hole with Set Screw ; Hole Diameter: 4.8 mm / 0.19 in
MONITORING	LED DISPLAY	Red LED: Output is available
	ANALOGUE METER	Ammeter: 0 to 30A
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
PROTECTIONS	OUTPUT SHORT CIRCUIT	No output voltage. Auto reset on removal of short
	INPUT OVERLOAD	8A input side fuse will blow (<i>120 VAC input</i>)
	OUTPUT OVERLOAD	Electronic current limit at 30A
	REVERSE POLARITY ON OUTPUT SIDE	2 x 20A 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 6.3mm x 32mm; Time Delay Type Mfr.: Littelfuse 0313008 or equivalent
	INTERNAL AC INPUT SIDE FUSE (230 VAC OPERATION)	4A, 250V; Size 6.3mm x 32mm; Time Delay Type Mfr.: Littelfuse 0313004 or equivalent
	INTERNAL DC OUTPUT SIDE FUSE	2 x (32V, 20A); Automotive Blade Type; Fast Acting Mfr.: Littelfuse 0287020 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 UL STD. 1564 • Certified to CSA STD. C22.2 No. 107.2
		EMI
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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