



SAMLEX POWER PRODUCTS



SEC Series Battery Chargers

FEATURES

- Advanced switch-mode design*
- 3 stage charging voltage*
- Safe for Gel-cell batteries*
- Easy mounting system*
- Maximum charging current of 60A/80A(12V) & 40A(24V)*
- Fully automatic operation*
- Light weight and compact*
- Reverse polarity connection protected*
- 12 Volt and 24 Volt models*
- 120 VAC or 240 VAC input*

APPLICATIONS

- Automotive*
- Recreational vehicles*
- Marine (Protected environment)*
- Communications sites*
- Battery back-up systems*



40 / 60 / 80 Amps

TECHNICAL SPECIFICATIONS

Model	SEC-1260A	SEC-1280A	SEC-2440A
Nominal Input Voltage			
Factory Preset	120 VAC/50-60 Hz (105 to 125 VAC)		
By changing internal jumper position	230 VAC/50-60 Hz (207 to 253 VAC)		
Input Current			
At 120 VAC input	13.6A	17.2A	
At 230 VAC input	6.8A	8.7A	
Output Voltage, VDC			
Absorption / Boost, "Uo"**	14 V/14.4 V +/-0.05 V	14 V/14.4 V +/-0.05 V	28 V/28.8 V +/-0.05 V
Float / Maintenance, "U"**	13.5 V +/-0.05 V	13.5 V +/-0.05 V	27.0 V +/-0.05 V
Maximum Bulk Charging Current, I			
Normal operation	60 A	80 A	40 A
Half Power Mode	30 A +/-1 A	40 A +/-1 A	20 A +/-1 A
Threshold of Current for Change Over			
From Float "U" to Boost "Uo"	8.5 A +/-1 A	10A +/-1 A	5A +/-0.5 A
From Boost "Uo" to Float "U"	6 A +/-0.5 A	8 A +/-0.5 A	4 A +/-0.5 A
Duration for Absorption or Boost Stage, Uo	4 Hours or 8 Hours (Switch selectable)		
Temperature Compensation	Yes. With sensor TF-500		
Wired Remote Panel (Optional)	Yes. Model 900-RC		
Cooling	By fan		
Protections			
Overload	Yes		
Short Circuit	Yes		
Reverse polarity	Yes		
Thermal overload	Yes		
Output Banks	2		
Output Connector	Tubular hole (dia 8 mm) with set screw		
Operating Temperature Range	0°C to 40°C		
Input Power Cord (Attached)	15A, NEMA5-15 plug	20A, NEMA5-20 plug	
Fuses			
AC Input Side (6 mm x 30 mm; Slow Blow Type)			
For 120 VAC input	15 A / 250 V	20 A / 250 V	
For 230 VAC input	8 A / 250 V	10 A / 250 V	
DC Output Side (Automotive Blade Type, e.g. Bussmann "ATC") connected in parallel	32 V, 35 A x 2 pcs.	32 V, 30 A x 3 pcs.	32 V, 15 A x 3 pcs.
Dimensions (L x W x H), mm	330 x 230 x 108		382 x 230 x 108
Weight, kg	4 Kg		5.5 Kg

* Voltages based on battery temperature of 80° F.

Technical Specifications subject to change without notification

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or contact us: 1 (800) 561-5885 or (604) 525-3836