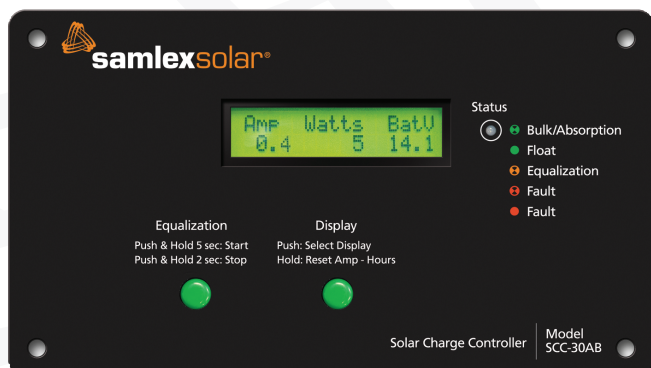




samlexsolar® 30A



Charge Controllers

Model
SCC-30AB
30 Amps

Design Features

- Digital LCD display
- 30 Amp charging capacity
- 8 charge settings for different batteries, including lithium
- Battery equalization option
- Use with 12/24V batteries
- 10 meter temperature sensor included

5 YEAR LIMITED WARRANTY



ITEM	PARAMETER	SCC-30AB
INPUT	MAXIMUM OPEN CIRCUIT VOLTAGE (Voc) OF SOLAR PANEL / ARRAY	50V
	MAXIMUM SHORT CIRCUIT CURRENT (Isc) OF SOLAR PANEL / ARRAY	30A
	MAXIMUM SELF CONSUMPTION OF THE CONTROLLER	50mA
OUTPUT/ CHARGING	TYPE OF CONTROLLER	Series, Pulse Width Modulation (PWM)
	BATTERY SYSTEM VOLTAGE	12V / 24V (Switch selectable)
	BATTERY TYPES	Lead Acid: Flooded/AGM/Gel Cell; LITHIUM
	CHARGING ALGORITHM	4 Stage: Absorption, Float, Equalization
	CHARGING PROGRAMS	8 Programs (Switch selectable)
	ABSORPTION VOLTAGE (BASED ON SELECTED PROGRAM)	14.0V to 16.0V for maximum 1 hour
	FLOAT VOLTAGE (BASED ON SELECTED PROGRAM)	13.4V / 14.5V
TEMPERATURE COMPENSATION	EQUALIZATION VOLTAGE (BASED ON SELECTED PROGRAM)	14.2V to 15.3V - 1 to 3 hours - Manual or automatic after 28 / 14 days interval
	TEMPERATURE COMPENSATION	With optional Temperature Sensor
		- 30mV / °C for 12V Battery
- 60mV / °C for 24V Battery - Compensation range: -20°C to 50°C		
DISPLAY	LCD DISPLAY	Alpha Numeric Display for operational parameters and fault messaging - 7 selectable screens .
	LED DISPLAY	For charging status and fault indication. Single 3-color LED.
PROTECTIONS	OVER CURRENT	Shut down at input current > 40A
	OVER TEMPERATURE OF HEAT SINK (FACE PLATE)	Temperature > 90°C: Disconnect panel / array - Reconnect when cools down to 70°C
ENVIRONMENTAL	OPERATING TEMPERATURE RANGE	-20°C to 45°C / -4°F to 113 °F
	STORAGE TEMPERATURE RANGE	-55 °C to 85 °C / - 67 °F to 185 °F
COMPLIANCE	HUMIDITY	95%, Non-condensing
	EMI / EMC	FCC Part 15(B), Class A
MECHANICAL	DIMENSIONS (W X D X H)	190 x 108 x 34 mm / 7.5 x 4.25 x 1.35 in
	WEIGHT	0.4 kg / 0.8 lb
	ENCLOSURE / FACE PLATE	Powder coated steel. For indoor use only

NOTE: Specifications are subject to change without notice

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