

SOLAR CHARGE CONTROLLER

The solar charge controller uses PWM charging technology, so that as the battery reaches full charge, the PWM pulses slower, gradually tapering off the charge. Pulsing is good for the batteries since it gently mixes the electrolyte, preventing stratification and sulphation. Low voltage disconnect protects the batteries from severe discharge by shutting off loads before the battery voltage drops to damaging levels.



Temperature compensation adjusts the set point voltages according to the ambient temperature.

FEATURES

- Excellent charging algorithm
- Temperature compensated set points
- Adequate protections and indications
- Negligible voltage drops
- Self consumption less than 5 mA
- Offers long life to batteries
- Non-corrosive terminals
- Compact in size and easy to install

TECHNICAL SPECIFICATIONS

	Solar Charge Controller 3/3	Solar Charge Controller3/6
General		
Application	Solar electrification	
Use	Indoor, battery charging using solar module	
Operating temperature	0°C to 50°C	
Storage temperature	-10°C to 60°C	
Charge controller type	Two step charging algorithm	
Battery temperature compensation	-4mV to -5mV/°C/cell	
Solar Module size (Max)	40Wp	
Indications	Charging and low battery	
Electrical		
Nominal system voltage	12V DC	
Charging current (Solar)	3A	3A
Load current	3A	3A
Charge controller efficiency	>93%	
Idle consumption	<5mA	
Protections	Against module reverse current flow, reverse battery and overload	
Mechanical		
Fixing	Wall mounting with screws	
Case	Injection Moulded Engineering Plastic	
Connectors	Heavy duty terminal connector	

Note: Specifications subject to change without notice. Check for latest update

ORDERING INFORMATION

Solar Charge Controller series					
Model	System Voltage	Max Module Wattage	Max Charging Current	Max Load Current	Battery Type
SCC-M0303C	12V	40Wp	3A	3A	Flooded
SCC-M0303D	12V	40Wp	3A	3A	VRLA(SMF)
SCC-M0306A	12V	40Wp	3A	6A	Flooded
SCC-M0306B	12V	40Wp	3A	6A	VRLA(SMF)