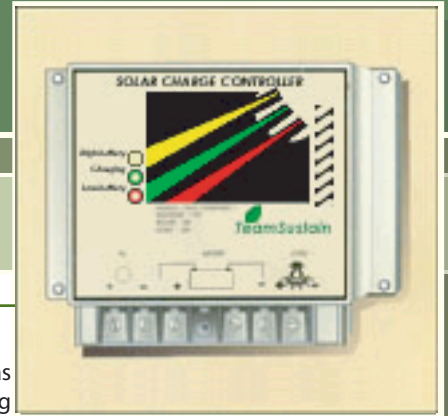


MICRO CONTROLLER BASED SOLAR CHARGE CONTROLLER

PowerGuard



Using the most advanced micro-controller technology, TeamSustain has developed PowerGuard series charge controllers. The 2 step charging algorithm and precision set points ensure the longest battery life. PowerGuard charge controllers are available in 6 and 10A rating in 12V and 24V (auto selection).

FEATURES

- Average battery state of 90% to 95% where as the same for ordinary ON-OFF controllers is only 55 to 60% .
- 30% more solar energy per day is pumped into the battery.

TECHNICAL SPECIFICATIONS

	PowerGuard 6/6	PowerGuard 10/10
General		
Application	Solar electrification	
Use	Indoor, battery charging using solar module	
Operating temperature	0°C to 50°C	0°C to 50°C
Storage temperature	-10°C to 60°C	-10°C to 60°C
Charge controller type	Two step charging algorithm	
Battery temperature compensation	-4mV to -5mV/°C/cell	
Solar Module size (Max)	90Wp	150Wp / 300Wp
Indications	Charging, low battery warning, low battery state and battery full charge	
Electrical		
Nominal system voltage	12V	12V / 24V (Auto selection)
Charging current (Solar)	6A	10A
Load current	6A	10A
Charge controller efficiency	>95%	
Idle consumption	<10mA	
Protections	Against module reverse current flow, Reverse battery, 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

PowerGuard series					
Model	System Voltage	Max Module Wattage	Max Charging Current	Max Load Current	Battery Type
SCC-M0606A	12V	90Wp	6A	6A	Flooded
SCC-M0606B	12V	90Wp	6A	6A	VRLA(SMF)
SCC-U1010A	12V/24V	150/300Wp	10A	10A	Flooded
SCC-U1010B	12V/24V	150/300Wp	10A	10A	VRLA(SMF)

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