

SOLAR CHARGE CONTROLLER

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SPEARHEADING SOLAR TECHNOLOGY REVOLUTION

AFFORDABLE

CREDIBLE

RELIABLE

ENVIRONMENT FRIENDLY

FEATURES-

PWM based Solar Charge Controller's advanced Microprocessor design optimizes the operation processes. Solar Charge Controller (SCC) will always charge the battery when solar is present till the battery voltage reaches 14.7V. Solar current will be zero once battery reaches 14.7V. SCC will reconnect the battery (start charging) if the battery voltage reaches 12.6V on discharge. User can connect 06 no. 100Wp or 04 no. 150Wp solar panels. Easy to install and maintain the system. It works with the existing domestic inverter. SCC increases the battery lifetime. SCC has high efficiency and automatic operation.

PROTECTIONS-

- i) Battery over charge
- ii) Battery reverse polarity
- iii) Battery reverse current
- iv) Solar high voltage
- vi) SPV reverse polarity

TECHNICAL SPECIFICATIONS*

Parameters	Rating Technology	12V/ 24V
Electrical	Technology	PWM
	Precise Control	Micro controller based
	Switching Device	MOSFET
	Efficiency	>90%
	Voltage Rating Battery	12V/ 24V
	Charging Mode	Bulk / Absorption / Float / Equalize
	Bulk Charging	14.5V/ Batt. \pm 1%
	Absorption Charging	14.4V/ Batt. \pm 1%
	Float mode Charging	13.5V/ Batt. \pm 1%
	Charging Current	10A/ 20A/ 30A/ 40A
Protections	Maximum Solar Input Volt(VOC)	18V/45V \pm 2%
	Battery over charge	Provided
	Battery reverse polarity	Provided
	Battery reverse current	Provided
	Solar high voltage	Provided
Environ-mental	SPV reverse polarity	Provided
	Operating Temp.	0-60°C
	Max. Relative Humidity (Non-Condensing)	5-95%
Precaution	Storage Temp.	-10 + 70°C
	Protect Solar Charge Controller from direct Sunlight & Water Panel open circuit voltage should not be more than specify voltage	

* Specifications may change due to continuous R&D



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