



# PWM CHARGE CONTROLLER

12V/24V 10-30A

## Why come to us for a solution?

- Quality products
- Wide range of products
- Nationwide backup
- Locally produced UPS's
- Competitively priced
- Unique design
- Good value for money
- 24 hours after sales services

PWM Solar Charge Controllers are designed for off-grid solar power systems. Solar Charge Controllers control the charging as well as discharging of the various batteries such as sealed, flooded, gel and lead-acid batteries. The intelligent charging process has been optimized for longer battery life and improved performance.



## APPLICATION

12VDC & 24VDC solar panels

## FEATURES





# PWM CHARGE CONTROLLER

12V/24V 10-30A

MODEL	SCC10A	SCC20A	SCC30A
CAPACITY	10A	20A	30A
NOMINAL SYSTEM VOLTAGE	12/24VDC Auto		
TECHNICAL SPECIFICATIONS			
BATTERY INPUT VOLTAGE RANGE	9V - 32VDC		
MAX. PV OPEN CIRCUIT VOLTAGE	50VDC		
BATTERY TYPE	user (default) / sealed / gel / flooded		
BOOST CHARGING VOLTAGE	user(default) / sealed:14.4/28.8V / gel:14.2/28.4V / flooded:14.6/29.2V @ 25°C		
FLOAT CHARGING VOLTAGE	user (default) / sealed / gel / flooded: 13.8/27.6V @ 25°C		
LOW VOLTAGE RECONNECT VOLTAGE	user (default) / sealed / gel / flooded: 12.6/25.2V @ 25°C		
LOW VOLTAGE DISCONNECT VOLTAGE	user (default) / sealed / gel / flooded: 10.8/21.6V @ 25°C		
SELF-CONSUMPTION	≤11.5mA/12V ; ≤13.5mA/24V		
TEMPERATURE COMPENSATION COEFFICIENT	-4mV/°C/2V @ 25°C		
CHARGE CIRCUIT VOLTAGE DROP	≤0.25V		
DISCHARGE CIRCUIT COLTAGE DROP	≤0.12V		
OPERATING ENVIROMENT			
TEMPERATURE	-15°C - +50°C (unit can work continuously at full load)		
RELATIVE HUMIDITY	≤90%		
OTHER			
ENLCOSURE	IP30		
GROUNDING	common positive		
USB OUTPUT	5VDC/2A (total)		
TERMINALS	6mm <sup>2</sup> / 9AWG	10mm <sup>2</sup> / 7AWG	16mm <sup>2</sup> / 5AWG
PHYSICAL			
NET WEIGHT (APROXIMATE)	0.19 kg	0.263 kg	0.315 kg
UNIT DIMENSIONS (W-D-H)	75 x 36 x 130mm	85 x 34.5 x 140mm	95 x 37 x 160mm
PACKAGE DIMENSIONS (W-D-H)	91 x 40 x 156mm	91 x 40 x 156mm	107 x 47 x 182mm

Notes:



In the interests of continuous product improvement, all specifications are subject to change without notice.