

RCSM series (RCSM-xx-2412) MPPT solar charge controller

Description

This MPPT series controller is designed to charge the battery in an off-grid solar system. And it is for personal use only. With the technology of maximum power point tracking (MPPT), it has a high efficiency to charge your solar system and provide you better solar energy.



Features

- MPPT Technology offers high efficiency of solar system.
- Automatic voltage regulation for 12 or 24V system.
- LED indicators.
- 3-stage I-U curve charge principle.
- Negative grounding.
- Dual terminals for solar panel input.
- Battery type: AGM, GEL Lead-acid Battery or Lithium iron phosphate battery.
- Temperature-compensation, it measures the ambient temperature to determine the charging voltage.

Specification



Model	RCSM-10-2412	RCSM-15-2412	RCSM-20-2412
Rated voltage	12/24VDC		
PV voltage	10-40V / 20-65V		
PV over-voltage protection	65V		
Max. charge current	10A	15A	20A
MPPT efficiency	≥99%		
Battery types	12V or 24V rechargeable lead-acid battery (AGM, gel) / Lithium iron phosphate battery		
Self consumption, standby	battery <40mA		
Self consumption with load	<130mA		
Regular charge voltage	14.6V(14-15V settable) / 29.2V(28-30V settable)		
Float charge voltage	13.8V / 27.6V		
Over charge disconnection	17V / 34V		
Over discharge disconnection	11V (10.4-11.4V settable) / 22V (20.8-22.8V settable)		
Over discharge recovery	12.8V (12.2-13.2V settable) / 25.6V (24.4-26.4V settable)		
Temperature compensation	-3mv/°C		
Environment temperature	-25°C~+55°C		
Protection level	IP20		
Cross section of cable	Max 16mm ²		
Size	172*126*75mm		

Note:

Specification prior to change without notice.