

MPPT Solar Charge Controller for RV and Marine Applications

This MPPT solar charge controller is designed for RV and marine applications. It efficiently converts solar energy into usable power for charging batteries, maximizing energy harvest from solar panels.



ADDITIONAL IMAGES

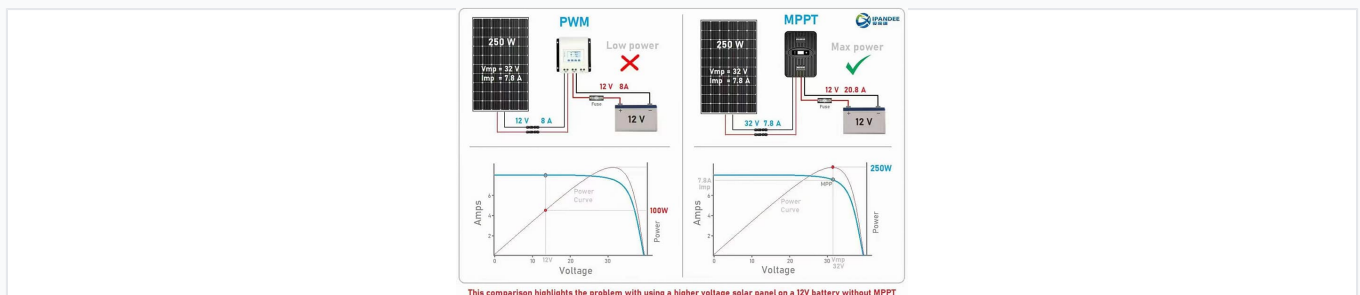


Product Overview

Advanced MPPT Solar Charge Controller

This self-cooling MPPT solar charge controller is engineered specifically for RV and marine applications. By continuously tracking the maximum power point, it optimizes energy harvest from solar panels to ensure efficient battery charging. The fanless design enhances reliability and eliminates operational noise, making it an ideal solution for off-grid power systems in mobile and marine environments.

Performance & Efficiency



MPPT controllers significantly outperform PWM units by converting higher panel voltages into higher charging currents, maximizing total power extraction.

Controller Technology

MPPT • Maximum Power Point Tracking

Efficiency Advantage

Feature	MPPT Performance	PWM Performance
Power Output (12V Battery)	~250W	~100W
Charging Current	20.8A	8A
Panel Operating Voltage	32V (Vmp)	12V (Forced)

Design & Build

Cooling System	Self-cooling (Fanless)
Best For	RV, Marine, Off-grid, Mobile