

60A MPPT Solar Charge Controller with USB

This 60A MPPT solar charge controller optimizes power between solar panels and batteries. It has a USB port for charging devices and an LCD display for real-time information.



ADDITIONAL IMAGES



Product Overview

High-Efficiency 60A MPPT Solar Charge Controller

This industrial-grade MPPT solar charge controller is designed to maximize energy harvesting for off-grid solar power systems. Featuring advanced Maximum Power Point Tracking technology, it delivers up to 99% charging efficiency, significantly outperforming traditional PWM controllers. With automatic system voltage recognition and comprehensive electronic protections, it ensures reliable and safe operation for various renewable energy applications.

Performance Metrics

Key Performance Metrics

60 A

Rated Current

99 %

Max Efficiency

150 Vdc

Max PV Input

Electrical Specifications

System Voltage	12V, 24V, 48V, Auto Recognition
Night Power Consumption	1 W

Key Features

Core Functionalities

- Industrial-grade Micro Processor Control
- MPPT tracking with 15%-20% higher efficiency than PWM
- Temperature Compensation Function
- Intelligent design with online upgrade capability
- High degree power save function

Safety & Protection

Integrated Protections

Over Voltage • Short Circuit • Over Load • Overcharge • Over-discharge • Reverse Polarity

Interface & Connectivity

User Interface

- LCD Display for real-time monitoring
- Integrated USB 5V Port for device charging
- DC Output terminals

Applications

Suitable Applications

Off-grid Solar Systems, RVs, Boats, Renewable Energy Projects