

# 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