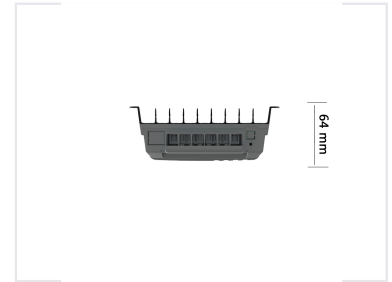


30A MPPT Solar Charge Controller with LCD Display

This 30A MPPT solar charge controller uses DC/DC converting technology and MCU technology. It adjusts the working point of the solar array intelligently to maximize power output.



ADDITIONAL IMAGES



Overview

Intelligent Solar Charge Control

This MPPT solar charge controller utilizes advanced DC/DC converting and MCU technology to intelligently adjust the solar array's working point for maximum power output. By tracking the maximum working point in real-time, it significantly improves solar panel efficiency by 5% to 30% compared to traditional PWM controllers. The unit features an intuitive LCD display for monitoring system status and supports a wide range of battery chemistries.

Key Features

Performance Efficiency

99 % MPPT Efficiency	98 % Peak Conversion	30 A Max Charging Current
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Core Features

MPPT Charging, 12V/24V Auto Work, LCD Display, USB Output (5V 1A), Multi-stage Charging

Technical Specifications

System Specifications

Parameter	Value
Model	MPPT130D
System Voltage	12/24V Auto
Battery Voltage Range	8V-32V
Max Solar Input Voltage	100V/150V

Supported Battery Types

Sealed • Flooded • GEL • LiFePO4 • Li(NiCoMn)O2

Safety & Protection

Protection Mechanisms

- High/Low voltage disconnection and recovery
- Overload and short circuit protection
- Solar panel and battery reverse polarity protection
- Reverse current protection at night
- USB output overheat and short circuit protection