

# 20A Solar Charge Controller for Battery Protection

This solar charge controller is designed for solar power systems, offering essential battery protection. It prevents battery overcharge and excessive discharge to the load, enhancing system performance and prolonging battery life.



## Product Overview

### Professional Solar Charge Management

This 20A solar charge controller utilizes intelligent CPU control with integrated MPPT technology to optimize battery charging performance. It features automatic voltage recognition for 12V and 24V systems, ensuring safe and efficient power distribution to loads. With a comprehensive LCD interface and integrated temperature compensation, it provides reliable protection and real-time monitoring for off-grid power systems.

## Key Features

### Capabilities

- MPPT Technology for optimized current management
- Automatic 12V/24V system voltage detection
- LCD display for real-time monitoring of voltage, current, and temperature
- Automatic temperature compensation for charging voltage

### Certifications

CE, ROHS, ISO 9001, SGS

## Technical Specifications

### Core Metrics

**20 A**

Max Charge Current

**20 A**

Max Discharge Current

### Electrical Parameters

Parameter	12V System	24V System
Full Charge Cut	13.7V	27.4V
Low Voltage Cut	10.5V	21V
Low Voltage Restore	12.6V	25.2V

### Physical Dimensions

0.35 KG

### Size (LxWxH)

164\*100\*48.5mm