

# Hybrid Wind and Solar Charge Controller

This hybrid controller integrates wind and solar power generation systems. It manages battery charging and discharging, optimizing performance and extending battery life with overcharge, short circuit, and reverse polarity protection.



## Product Overview

### Hybrid Power Optimization

This hybrid wind and solar charge controller is designed for seamless integration of renewable energy sources into a single battery charging system. It effectively manages energy flow to optimize performance while extending the service life of connected battery banks. With robust safety features like overcharge and reverse polarity protection, it provides a reliable solution for off-grid power requirements.

## Monitoring and Display

### System Status Indicators

- Battery Voltage Indicator
- Battery Current Indicator
- Load Working Indicator
- Solar Charge Indicator
- Wind Charger Indicator
- Current Indicator
- Load Indicator

## Key Features

### Protection Mechanisms

Overcharge Protection, Short Circuit Protection, Reverse Polarity Protection

## Applications

### Common Use Cases

Off-grid systems • Renewable energy projects • Hybrid power systems