

Solar Charge Controller for Battery Protection

This charge controller is a crucial component in off-grid power systems using batteries. It regulates voltage and current from solar panels to the battery, preventing overcharging and enhancing battery lifespan and safety.



Product Overview

Intelligent Multi-Function Solar Charging

This series of intelligent solar charge controllers features an innovative design and a user-friendly interface for easy installation and operation. It utilizes optimized charge and discharge management to significantly extend battery life across various off-grid power systems. With advanced remote communication capabilities, users can monitor and set system parameters via desktop, tablet, or smartphone.

System Performance

Voltage Level

48 V

Automatic Identification

Smart Features

Load Control

- Unique clock circuit for accurate timing
- External temperature sensor for compensation
- Real-time system parameter display
- User-adjustable parameters

Remote Communication

WIFI, Bluetooth, Cable, Desktop PC Support, Mobile App Support

Battery Management

Protection & Optimization

Overcharge Prevention • Optimized Discharge • Temperature Compensation • Battery Life Extension

Technical Reference

Model Number

CPF8010048