

# Solar Charge Controller for Battery Management

This charge controller is designed for solar photovoltaic (PV) systems. It regulates the voltage and current from the solar panels to the battery, preventing overcharging and extending battery life.



## Overview

### Intelligent Solar Management

This series of intelligent multi-function solar charging controllers is designed for efficient battery management in photovoltaic systems. Featuring an innovative design and a user-friendly interface, it optimizes charge and discharge cycles to significantly extend battery life. The system supports automatic 48V voltage identification and offers advanced remote communication capabilities via cable, WIFI, or Bluetooth for seamless monitoring.

## Key Features

### Core Benefits

- Optimized charge and discharge management
- Automatic 48V system voltage identification
- Accurate load control via unique clock circuit
- External temperature sensor for precise compensation
- User-adjustable parameters for various applications

## Technical Specs

### System Voltage

**48 V**

Nominal Voltage

### Model Reference

CPF506048

## Connectivity

### Compatible Host Devices

- Desktop Computers
- Tablet PCs
- Smartphones

### Remote Communication

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

## Monitoring

### Monitoring Interface

Digital OS interface displaying all system parameters