

# 40A MPPT Solar Charge Controller with Digital Display

This 40A MPPT solar charge controller maximizes energy harvested from solar panels. It features a digital display for monitoring voltage and current, with multiple protection features for safe and efficient operation.



## ADDITIONAL IMAGES



## Overview

### High-Efficiency MPPT Controller

This industrial-grade MPPT solar charge controller is designed to maximize energy harvest from solar panels, offering up to 99% charging efficiency. With automatic system voltage recognition for 12V, 24V, and 48V systems, it provides versatile and intelligent power management for off-grid solar setups. The unit features robust protection mechanisms and an integrated digital display for real-time monitoring of critical system parameters.

## Performance Metrics

### Charging Efficiency

**99 %**  
Efficiency

**40 A**  
Rated Current

## Technical Specifications

System Voltage	12V, 24V, 48V
Max PV Input Voltage	150 Vdc
Night Consumption	1 W

## Safety & Protection

### Protection Mechanisms

- Over voltage protection
- Short circuit protection
- Over load protection
- Overcharge protection
- Over-discharge protection
- Reverse connection protection

## Features

### Key Features

Industrial-grade Micro Processor • Auto Voltage Recognition • Temperature Compensation • Online Upgradeable • Digital Display