

# 50W Off-Grid Solar Power System

This off-grid AC-DC power system is designed for users in remote areas, working in the field, or during travel and camping. It supplies power in areas with shortages and during emergencies.



## ADDITIONAL IMAGES



## Product Overview

### Off-Grid Power Solution

The 50W Off-Grid Solar Power System is an integrated AC-DC power supply designed for remote areas, field work, camping, and emergency backup. It combines a charge controller, inverter, and battery into a single, portable power control cabinet. Engineered with intelligent micro-processors, this system ensures reliable energy management and protection for various appliances.

## Technical Specifications

### Output Interfaces

**220 V**  
AC Output

**4 ports**  
USB Ports

### DC Output Voltages

- 20V DC
- 12V DC
- 9V DC
- 3.3V DC
- 5V USB

Solar Panel Compatibility

150 W

## Safety & Protection

### Intelligent Battery Care

The system employs advanced charging algorithms, including direct recharging and float charging, to extend battery life. It features high-accuracy temperature compensation to ensure precise charging control and maintenance.

### Integrated Safety Features

Over-charge protection, Over-discharge protection, Overload protection, Short circuit protection, Anti-reverse polarity protection, TVS lightning protection

## System Features

### Charging Inputs

- Solar Panel
- AC Power Adapter

### System Monitoring

Yes