

300W Off-Grid Solar Power System

This off-grid AC-DC power system is designed for users in remote areas, working in the field, or camping. It is also suitable for use in other power shortage areas and in emergencies.



ADDITIONAL IMAGES



System Overview

Integrated Off-Grid Power Solution

This 300W solar power system provides a comprehensive, integrated solution for off-grid energy needs. By combining a charge controller, inverter, and battery into a single mobile power cabinet, it offers a robust and portable electricity source. The system utilizes advanced microprocessors and specialized control algorithms to ensure intelligent power management, safety, and extended battery life.

Rated Power

300 W

Rated Output

Output Interfaces

AC Output Ports

- 3 x 220V AC Outlets

DC Output Ports

- 1 x 24V DC
- 1 x 20V DC
- 1 x 12V DC
- 1 x 9V DC
- 2 x 5V USB

Safety & Protection

Battery Management

- Temperature compensation for charging accuracy
- Maintenance compensation for deep discharge
- Direct and float charging methods

Safety Protections

Overcharge Protection, Over-discharge Protection, Overload Protection, Short Circuit Protection, Anti-reverse Protection, TVS Lightning Protection

Design & Mobility

Mobility & Design

Mobile Cabinet • Caster Wheels • Cooling Fan • Ventilation

System Monitoring

- LED display for battery voltage
- LED display for AC output voltage
- Status LEDs for solar charge, battery, AC/DC output, and fault conditions