

# Residential Solar Power System

This solar power system is a comprehensive solution for generating and storing electricity from sunlight. It provides a sustainable and cost-effective energy solution for residential use.



## ADDITIONAL IMAGES



## System Overview

### Residential Solar Power System

This comprehensive solar power system is a robust solution designed for efficient energy generation and reliable storage. It integrates high-efficiency photovoltaic panels with an intelligent all-in-one inverter and long-life battery storage to provide a sustainable power source for residential applications. The system effectively manages energy distribution to both DC and AC loads, ensuring a cost-effective and dependable electricity supply.

### Supported Applications

Off-grid power, Grid-tied solution, Residential use, Commercial use

## Technical Specifications

### Battery Unit

**12 V**

Voltage

**120 Ah**

Capacity

### Compatible Loads

Load Category	Typical Devices
DC Loads	LED lights, mobile phones, fans
AC Loads	Refrigerators, air conditioners, printers, computers, power drills

## Performance & Durability

### System Durability

- Non-spillable battery design
- High-efficiency solar capture
- Reliable long-term performance