

Off-Grid Solar Power System (3kW-30kW)

This off-grid solar system provides a complete solution for generating and storing electricity independently. It is ideal for residential or commercial applications seeking energy independence from the grid.



ADDITIONAL IMAGES



Overview

Complete Energy Independence

This off-grid solar power system provides a reliable and independent energy solution for residential and commercial applications ranging from 3kW to 30kW. It converts unstable DC power from solar panels into a stable pure sine wave AC output, ensuring a clean power supply for all connected loads. With integrated battery storage and support for grid or generator backup, it guarantees an uninterrupted power supply even during low solar periods.

System Performance

System Capacity Range

3 kW

Minimum Capacity

30 kW

Maximum Capacity

Inverter Output Efficiency

90 %

AC Output Waveform

Single Phase Pure Sine Wave

System Components

Core Components

- High-efficiency Solar Panels
- Off-grid Inverter
- Battery Bank for Energy Storage
- Charge Controller
- Combiner Box
- Distribution Box

Operational Features

Key Capabilities

Automatic Charging • Uninterrupted Power Supply • Remote Monitoring • Automatic Switching

Backup Power Sources

Grid Support, AC Generator Support, Battery Backup

Environmental Impact

Environmental Benefits

Yes

Pollution Level

Zero Pollution