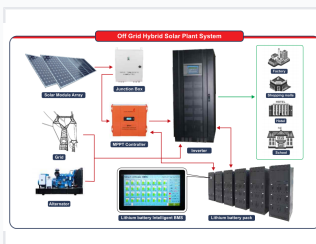


100KVA Off-Grid Hybrid Solar Power System with 250KWH Lithium Battery

This off-grid hybrid solar power system provides 100KVA power. It includes a 250KWH lithium battery bank and integrates solar modules, MPPT controller, inverter, and BMS.



ADDITIONAL IMAGES



System Overview

High-Capacity Solar Energy Solution

This 100KVA off-grid hybrid solar power system is engineered for robust energy independence, featuring a massive 250KWH lithium battery bank. Designed for demanding applications such as factories, shopping malls, hotels, and schools, the system integrates advanced solar array management with intelligent battery storage. It offers flexible power management, supporting both grid connectivity and alternator backup to ensure reliable performance.

Performance Metrics

Key System Metrics

52.8 KWp

PV Array Power

100 KVA

Peak Load Capacity

250 KWH

Battery Capacity

264 KWH

Daily Production

Technical Specifications

PV Array Specifications

Parameter	Value
Total Power	52.8 KWp
Array Size	340 M2

Energy Distribution

- Nighttime Power Usage: 250KWH
- Daytime Power Usage: 14KWH
- Full Charging Time: 5 Hours

System Capabilities

Integrated Components

Solar Module Array, Junction Box, MPPT Controller, Inverter, Lithium BMS, Grid Support, Alternator Backup