

3kW Hybrid Wind & Solar Power Station

This hybrid power station is a versatile energy solution for mobile power needs. Combining wind and solar energy, this unit provides a continuous power supply.



ADDITIONAL IMAGES



Overview

Hybrid Energy Micro-Station

This 3kW hybrid power station is a versatile, mobile energy solution that integrates solar, wind, and gas generation to provide a reliable off-grid power supply. Engineered for flexibility, it features telescopic solar panels and wind turbines, allowing for a compact transport size and maximum operational area. With its advanced energy management module and high-efficiency lithium battery system, it automatically optimizes power input and output based on real-time environmental conditions and load requirements.

Technical Specifications

Rated Power Output

3 kW

Base Power

30 kW

Max Parallel Power

Battery Technology

Lithium-ion • High-Efficiency

Voltage Selection

12V/24V/36V/48V (Automatic Selection)

Energy Sources

Solar, Wind, Gas

Discharge Capacity

80 %

Features & Capabilities

Parallel Operation

- Connect up to 5 units in parallel
- Maximum combined power of 25-30kW

Key Design Features

- Telescopic solar panels for compact transport
- Telescopic wind turbine structure
- Solar panel self-locking safety mechanism
- Portable and mobile design
- Easy-to-use output interface

Common Applications

Agricultural Irrigation, Remote Medical Stations, 5G Micro-Base Stations, Residential Backup Power