

Mobile Hybrid Power Generation System

This mobile hybrid power generation system combines wind and solar energy with a generator for reliable power. It is designed for off-grid or grid-tied applications, offering fuel savings and reduced emissions.



ADDITIONAL IMAGES



Overview

Sustainable Mobile Power Solution

This hybrid energy micro-station provides a versatile off-grid power solution by integrating solar photovoltaics, small-scale wind turbines, and a diesel generator. Designed for efficiency and reliability, the system utilizes smart power management to automatically optimize energy sources based on environmental conditions. It is an ideal, eco-friendly choice for remote locations, construction sites, and emergency power needs, effectively lowering operational costs and maintenance requirements.

Rated Power

20 kVA

Power Capacity

Technical Specifications

Environmental Benefits

- Low noise operation
- Reduced carbon emissions
- Fuel consumption optimization
- Elimination of wet stacking

Energy Sources	Solar PV, Wind, Diesel, Battery Storage
Operating Modes	Off-Grid, Grid-Tied
Protection Rating	IP55

Design & Mobility

Design Highlights

- Modular architecture
- Compact footprint
- High power density
- Mobile and transportable

Maintenance

Low maintenance requirements

Smart Management

Control & Monitoring

- Intelligent power management module
- Automatic environmental data acquisition
- Cloud-based remote monitoring
- Automatic start/stop functionality