

Wind Power Generator with Three-Blade Rotor

This wind power generator utilizes a three-blade rotor design for optimal energy capture. Its durable construction and integrated tail fin ensure reliable operation and automatic wind direction tracking.



Overview

Compact Wind Energy Solution

The P-300 Wind Power Generator is a compact and efficient solution designed for harnessing wind energy. Featuring a three-blade rotor design, this generator is engineered for optimal aerodynamic performance and energy capture. Its durable construction ensures reliable operation in diverse weather conditions, making it an ideal sustainable alternative for small-scale power generation or remote locations.

Performance Metrics

Key Performance Metrics

300 W

Rated Power

10 m/s

Rated Wind Speed

12 V DC

Output Voltage

Technical Specifications

Mill Diameter	136 cm
Blade Length	130 cm
Pillar Height	5.5 m
Net Weight (Excluding Pillar)	90 KG

Operational Limits

Operational Wind Speed	4-25 m/s
Safe Wind Speed	40 m/s

Control Systems

Control & Safety Features

Feature	Method
Governed Speed Style	Dump load
Brake Style	Mechanism