

Maglev Wind Generator

This wind generator uses magnetic levitation technology to maximize efficiency. It is available in power outputs of 50W, 100W, 200W, 300W, and 500W.



Overview

High-Efficiency Maglev Wind Technology

This Maglev Wind Generator utilizes advanced magnetic levitation technology to minimize friction and enhance energy conversion efficiency. Designed with a Darrieus aerodynamic structure, it offers quiet operation under 40 dB and exceptional wind resistance, making it suitable for diverse environmental conditions. The system is engineered for safety, featuring automatic over-speed braking and robust blade construction.

Technical Specifications

Generator Type	Three-phase AC maglev wind turbine
Blade Material	Aluminum Alloy
Number of Blades	3
Operating Temperature Range	-30 to 50 °C

Performance Metrics

Key Performance Metrics

2 m/s Start-up Speed	10 m/s Rated Wind Speed	60 m/s Max Survival Speed	40 dB Operational Noise
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Wind Speed Thresholds

- Minimum start speed: 2 m/s
- Minimum power generation: 2.5 m/s
- Minimum charge speed: 3.5 m/s
- Maximum cut-off speed: 15 m/s

Model Variants

Available Configurations

Rated Power	Wheel Diameter	Weight
400W	1.2M / 1.06M	30KG
2000W	2.2M / 3.25M	120KG
3000W	2.6M / 2.8M	140KG

Safety and Control

Safety Features

Bird-friendly Design • High-wind Resistance • Maglev Friction Reduction • Aerodynamic Noise Reduction

Controller Specifications

DC48V Output, AC220V Output, 130A Output Current, Over-speed Automatic Braking, Three-phase Short-circuit Braking