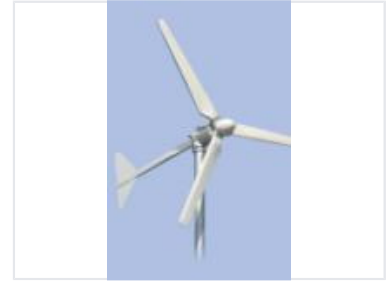


# Wind Turbine Generator

This wind generator converts wind energy into electrical energy. The three-blade rotor design is optimized for efficient energy capture and mounted on a pole with a tail fin for wind direction alignment.



## Product Overview

### Sustainable Energy Solution

This wind turbine generator is engineered to convert wind energy into electrical energy for residential or small-scale commercial applications. Featuring an optimized three-blade rotor design, it maximizes lift and minimizes drag for superior efficiency. The system includes an integrated tail fin for automatic wind direction alignment, ensuring consistent energy capture even as conditions change.

## Technical Specifications

Number of Blades	3
Rotor Design	Three-blade aerodynamic optimization
Wind Direction Alignment	Yes

## Key Features

### System Highlights

- Optimized for high-efficiency energy capture
- Automatic wind alignment via tail fin
- Aerodynamic blade profile reduces drag
- Suitable for small-scale commercial use
- Sustainable residential power generation

## Applications

Target Use Cases	Residential, Small-scale Commercial, Sustainable Power
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