

# 5MW Wind Turbine

This 5MW wind turbine is a high-capacity wind energy conversion system designed for efficient and reliable power generation. Advanced control systems ensure optimal performance and grid stability.



## Overview

### High-Efficiency 5MW Wind Turbine

The 5MW wind turbine is a professional-grade energy conversion system engineered for large-scale power generation. It integrates advanced aerodynamic blades, a high-efficiency permanent magnet synchronous generator, and sophisticated control systems to ensure consistent output and grid stability. Designed for durability in extreme weather, this solution offers a reliable and cost-effective approach to renewable energy production.

## Technical Specifications

### Rated Capacity

**5 MW**

Power Output

### Included Components

- Rotor Blades
- Engine Room (Nacelle)
- Permanent Magnet Synchronous Generator
- Pitch/Yaw System
- Control Systems
- Tower
- Converter

## Design Features

### Key Features

High-Efficiency Generator, Extreme Weather Resistant, Grid Stability, Minimal Maintenance