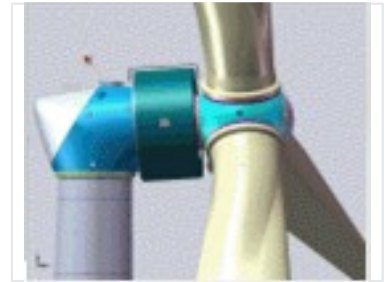


2000 kW Wind Turbine

This wind turbine is designed for efficient energy conversion. Its direct-drive generator eliminates the need for a gearbox, reducing maintenance.



Product Overview

Efficiency and Reliability

The 2000 kW wind turbine is engineered for high-performance energy conversion across various wind conditions. Utilizing an advanced direct-drive permanent magnet synchronous generator, this unit eliminates the gearbox to significantly lower maintenance needs and increase operational uptime. Its robust construction and intelligent control algorithms make it a reliable choice for both onshore and offshore energy infrastructure projects.

Technical Specifications

Rated Power Capacity

2000 kW

Power Output

Deployment Environments

Onshore, Offshore

Key Components

System Modules

- Rotor blades
- Nacelle
- Permanent magnet synchronous generator
- Power converters
- Pitch control system
- Yaw system
- High-strength steel tower

Control and Safety

Safety and Management Systems

Pitch Control • Yaw Control • Overspeed Protection • Advanced Aerodynamic Profiles