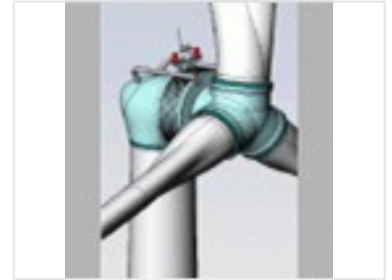


5MW Direct-Drive Wind Turbine

Direct-drive wind turbines are designed for efficient and reliable energy generation. These turbines feature a direct-drive system, eliminating the need for a gearbox and reducing maintenance requirements.



Product Overview

5MW Direct-Drive Wind Turbine

This 5MW direct-drive wind turbine is engineered for high-efficiency, large-scale energy generation. By utilizing a direct-drive architecture that eliminates the need for a gearbox, the system significantly reduces mechanical wear and long-term maintenance requirements. It is designed to maximize energy capture and ensure reliable operation across a wide range of wind conditions, making it an ideal choice for large-scale electric power transmission and distribution projects.

Technical Specifications

Rated Capacity

5 MW

Capacity

| | |
|-----------------------------|--|
| Drive System | Direct-Drive |
| Generator Technology | Permanent Magnet Synchronous Generator |

System Components

Main Components

- Blades
- Wheels
- Cabin
- Pitch/Yaw system
- Permanent magnet synchronous generator
- Converters
- Control systems
- Towers

Maintenance Profile

Gearbox-free • Low-maintenance