

Wind Turbine for Efficient Power Generation

This wind turbine utilizes a natural air cooling system for the gearbox and generator, reducing power consumption and minimizing noise. Its load optimization control technology enhances turbine reliability by significantly reducing the load on key components.



Overview

High-Efficiency Wind Power Solution

The SL2000 / SL2500 series wind turbine features advanced load optimization and smart control technologies for superior power generation performance. Designed with modularity in mind, the turbine offers flexible power outputs ranging from 2000kW to 2500kW. Its robust design allows it to adapt to diverse terrains and low-to-ultra-low wind speed conditions, making it an ideal choice for decentralized wind farm applications.

Performance Metrics

Power Output Range

2000 kW

Minimum Power

2500 kW

Maximum Power

Technical Dimensions

Rotor Diameter Options	100m, 110m, 116m, 121m, 133m, 141m, 146m
Hub Height Options	80m, 90m, 100m, 110m, 145m

Features

Core Technologies

- Advanced load optimization control
- Smart wind farm management platform
- Modular plateau design
- Optimized for medium, low, and ultra-low wind speeds

Application

Target Applications

Decentralized Wind Farms • Low Wind Speed Sites • Plateau Environments • Grid Integration