

High-Efficiency Wind Turbine for Grid-Connected or Off-Grid Use

This high-efficiency wind turbine is designed for optimal energy capture. It features advanced blade aerodynamics and a robust generator system for reliable power generation in various wind conditions and is ideal for grid-connected or off-grid applications.



Overview

High-Efficiency Wind Turbine System

The SL4.x series represents a platform-based design concept engineered for both grid-connected and off-grid utility. It offers a flexible power output ranging from 4.0MW to 4.2MW, optimized for stability, maturity, and increased power generation capacity. Specifically designed for low wind speed areas, this turbine ensures high efficiency and low maintenance costs, adhering to rigorous IEC standards.

Technical Specifications

Power Range

4 MW

Minimum Power

4.2 MW

Maximum Power

Rotor Dimensions

Parameter	Value Range
Rotor Diameter	156 - 171 m
Rotor Height	100 - 140 m

Compliance and Usage

Target Conditions

- Low wind speed areas
- Grid-connected applications
- Off-grid applications

IEC Standards

IEC II, IEC III

Key Features

Operational Advantages

High Efficiency • Intelligent Design • Low Maintenance • Platform-Based Concept