

# Wind Power Generator

This wind power generator features flexible grid control and efficiently captures energy. It also has excellent power adjustment capabilities and responds quickly to frequency changes.



## Product Overview

### High-Efficiency Wind Power Solutions

This 3.0 MW land-based wind power generator leverages advanced doubly-fed induction technology and variable speed pitch control to provide reliable energy. The compact, integrated drive-train design improves structural stability, while an innovative vibration and noise reduction system extends the fatigue life of the tower and internal components. It is engineered for optimal energy capture and seamless integration into modern power grid infrastructures.

## Technical Specifications

### Rated Power Capacity

**3 MW**

Power Rating

### Generation Technology

Variable Speed, Doubly-Fed Induction, Active Yaw Control

## Design and Reliability

### Design Advantages

- Compact transmission chain integration
- Advanced vibration and noise reduction system
- Reduced fatigue load on tower and frame
- Variable speed change propeller

## Application

### Deployment Context

On-grid • Off-grid • Land-based