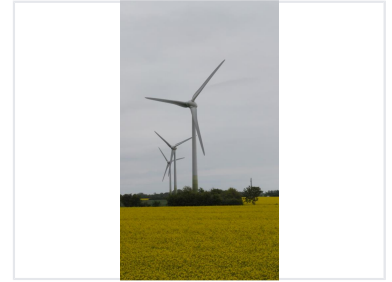


Variable Speed Pitch Regulated Wind Turbine

This WEC is a 3-bladed pitch regulated wind turbine with variable speed. It is designed for synchronous and asynchronous operation.



Overview

HW3 Series Wind Turbine Generator

The HW3 Series Wind Turbine Generator is engineered for highly efficient and reliable wind energy conversion across diverse environments. Featuring advanced aerodynamic rotor blades and a robust nacelle housing, this system is optimized for maximum energy capture in varying wind conditions. It integrates sophisticated pitch and yaw control systems alongside real-time performance monitoring to ensure minimal downtime and consistent sustainable power production for both onshore and offshore applications.

Technical Specifications

Key System Components

- Advanced aerodynamic rotor blades
- Robust nacelle housing
- High-efficiency generator
- Pitch control system for blade angle adjustment
- Yaw system for wind alignment
- Comprehensive real-time monitoring system

Application Compatibility

Onshore Wind Power, Offshore Wind Power

Performance

Performance Highlights

1 Enabled

Variable Speed Operation

1 Enabled

Pitch Regulation