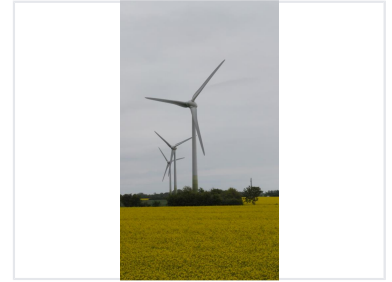


# Variable Speed Pitch Regulated Wind Turbine

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