3.6MW Offshore Wind Turbine

This 3.6MW offshore wind turbine is designed for efficient energy generation in marine environments. The robust turbine features a tall tower and a three-blade rotor system for high performance and reliability.

Overview

Advanced Offshore Wind Solution

This 3.6MW offshore wind turbine represents a significant advancement in large-capacity marine energy generation. Engineered for high performance in harsh environments, it features a compact structure with a 116-meter rotor diameter for optimal wind capture. The system utilizes variable speed and variable blade pitch technology to ensure efficient power delivery at fixed frequencies.

Performance Metrics

Rated Capacity

3.6 MW
Power Output

Technical Specifications

Rotor Diameter	116 m
Control Systems	Variable Speed, Variable Blade Pitch, Fixed Frequency

Design & Construction

Structure Design	Compact offshore-optimized structure
Rotor System	Three-blade high-performance rotor

Operational Environment

Installation Environment

Offshore • Marine • High Wind

Durability & Maintenance

- Built to withstand harsh marine conditions
- Engineered for long operational lifespan
- Designed for minimal maintenance requirements

Market Validation

Deployment History

Metric	Status
Installed Units	More than 400 units
Grid Connection	More than 300 sets
Global Reach	MW-grade export history