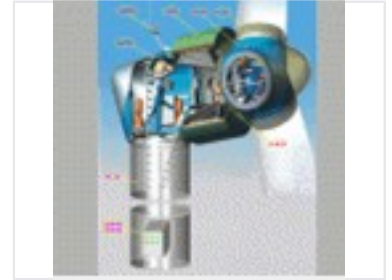


XE82-2000 Wind Turbine

The XE82-2000 wind turbine is a sophisticated energy conversion system designed for efficient and reliable electricity generation. It features a robust rotor assembly with aerodynamically optimized blades, a high-efficiency generator, and an advanced control system for optimal performance under varying wind conditions.



Product Overview

XE82-2000 Wind Turbine Overview

The XE82-2000 is a high-performance wind turbine engineered for efficient energy conversion and reliable grid-tied electricity generation. It features an aerodynamically optimized rotor assembly and a high-efficiency permanent magnet synchronous generator to maximize output under varying wind conditions. Designed for sustainability and ease of maintenance, this turbine incorporates advanced control electronics and robust safety mechanisms including lightning and overspeed protection.

System Components

Key Components

- Aerodynamically optimized blades
- Permanent magnet synchronous generator
- Pitch and yaw systems
- Advanced control electronics
- Grid-compatible converters
- Tower structure

Technical Metrics

Rated Power Capacity

2000 kW

Rated Power Output

Safety & Compliance

Safety Systems

Overspeed Protection, Lightning Protection, Emergency Shutdown, Grid Compatible