

Wind Turbine Pitch Controller

This device is designed for independent electric pitch wind turbine control. Its structure and electrical design are validated to ensure reliable performance in demanding wheel hub environments.



Product Overview

Advanced Pitch Control for Wind Turbines

This independent electric pitch control device is engineered for reliable performance within the challenging environment of a wind turbine wheel hub. The unit is designed to maximize wind energy capture during low wind speeds while ensuring stable power output during high wind conditions. Furthermore, it provides critical safety features, enabling fast and reliable feathering in extreme failure scenarios to protect the turbine unit.

Operational Capabilities

Key Performance Metrics

1 Optimized

Low Wind Speed Capture

1 Optimized

High Wind Stability

Primary Function

Independent electric pitch control

Safety & Reliability

Fast feathering, Extreme failure protection, Stable power output

Design & Environment

Design Considerations

- Wheel hub environmental adaptation
- Robust electrical design
- Tested and validated structure