

# Variable Speed Constant Frequency Wind Turbine Converter

This wind turbine converter efficiently converts variable frequency AC power into stable, grid-compatible AC power. It includes rectifier and inverter stages and advanced control algorithms to maximize energy capture and ensure stable grid operation.



## Product Overview

### Variable Speed Constant Frequency Wind Turbine Converter

The RE 300 PRO is a high-performance power electronics system designed to efficiently convert variable frequency wind turbine output into stable, grid-compatible AC power. Utilizing advanced control algorithms, this converter maximizes energy capture while ensuring low harmonic distortion and strict compliance with grid codes. Its modular design and robust construction ensure long-term reliability and high efficiency in demanding industrial environments.

## Technical Specifications

### Grid Integration

- Low Voltage Ride Through (LVRT) Capability
- Variable Frequency AC to Fixed Frequency AC Conversion
- High Energy Conversion Efficiency
- Low Harmonic Distortion

### Environmental Resilience

Lightning Protection, Low Temperature Resistant, High Temperature Resistant, High Altitude Compatible, Dust Proof, Moisture Resistant, Salt Fog Resistant

## Design and Build

### Structural Features

- Modular Design
- Compact Structure
- Flexible Configuration
- Robust Industrial Enclosure
- Integrated Cooling System