

# Wind Turbine Generator

This wind turbine generator converts wind's kinetic energy into usable electrical power. It features a multi-stage loop low-speed generator design.



## Overview

### High-Efficiency 2 MW Wind Turbine Generator

This advanced wind turbine generator utilizes permanent magnet technology to convert wind kinetic energy into electrical power with superior reliability. Its single-spindle design reduces moving parts, facilitating easier maintenance and a simplified mechanical structure. Built for performance, it features a programmable back-to-back inverter to manage noise output and integrated grid fault-tolerant systems for stable operation.

## Technical Specifications

### Rated Power Capacity

**2 MW**

Power Rating

### Core Technical Features

- Permanent magnet generator technology
- Single spindle structure
- Load-optimized shell type main base
- Programmable back-to-back inverter
- Grid fault tolerant functionality

### Design Advantages

Low Speed Operation, High Reliability, Easy Maintenance, Noise Reduction