

Doubly Fed Induction Wind Generator

Reliable Performance. Proven Technology.
Powering a Sustainable Future.



High Efficiency



Reliable & Durable



Advanced Technology



Sustainable Energy

Product Introduction

Doubly Fed Induction Wind Generator (DFIG)

Doubly Fed Induction Wind Generator (DFIG) is the core mainstream model for onshore wind power. It adopts a wound rotor induction structure, with the stator directly connected to the power grid and the rotor realizing excitation and speed regulation via a converter. Widely applicable to large-scale onshore wind farms, distributed wind power, and self-provided wind power in industrial parks, it offers outstanding cost performance and serves as an optimal power generation equipment for wind power projects.



HIGH EFFICIENCY

Advanced electromagnetic design for optimal energy conversion.



HIGH RELIABILITY

Robust construction and strict quality control ensure long service life.



LOW MAINTENANCE

Simplified structure for easy inspection and reduced maintenance.



SUSTAINABLE POWER

Contributes to clean energy and a greener environment.

WIDE APPLICATION



Product Features



Variable speed & constant frequency, high efficiency in wide wind speed range



Flexible active and reactive power regulation



Excellent grid connection performance, fully meet grid standards



Compact structure, high reliability and long service life



IP54 protection & Class H insulation, strong weather resistance



Air-to-air cooling, stable heat dissipation & low temperature rise



Low harmonic pollution, superior power quality



Low maintenance cost, suitable for multiple wind power scenarios

Application Scenarios



Large-scale Onshore Wind Farm

Suitable for large-scale centralized wind farms, delivering efficient and stable power output.



Distributed Wind Power

Suitable for distributed wind power projects, enabling flexible grid connection or on-site power consumption.



Self-use Wind Power

Provide stable self-contained power supply, reduce electricity costs and improve energy self-sufficiency rate.



Product Parameters

Parameter Item	1.5MW DFIG	2.0MW DFIG	2.5MW DFIG
Rated Power	1550 kW	2080 kW	2700 kW
Rated <u>Stator</u> Voltage	690 V	690 V	690 V / 1000 V
Rated Frequency	50 Hz	50 Hz	50 Hz
Number of Poles	4 Pole	4 Pole	4 / 6 Pole
Rated Speed	1750 r/min	1780 r/min	1480 r/min
Speed Range	1000~2015 r/min	960~1900 r/min	650~1400 r/min
Power Factor	±0.95	±0.95	±0.95
Efficiency	≥96.5%	≥96.5%	≥96.0%
Insulation Class	Class H	Class H	Class H
Protection Grade	IP54	IP54	IP54
Cooling Method	IC616 Air-to-Air	IC616 Air-to-Air	IC616 Air-to-Air
Mounting Type	IMB3 Horizontal	IMB3 Horizontal	IMB3 Horizontal
<u>Stator</u> Connection	Y / Δ	Y / Δ	Y / Δ
Rotor Connection	Y	Y	Y
Rotor Open-circuit Voltage	1850~2000 V	1900~2100 V	2000~2200 V
Duty Cycle	S1 Continuous	S1 Continuous	S1 Continuous
Applicable Wind Zone	IEC <u>IIIb</u>	IEC <u>IIa</u> / <u>IIIb</u>	IEC <u>IIa</u> / <u>IIb</u>

Company Introduction

We have decades of professional experience in the import and export of industrial control equipment, and are internationally renowned brands such as ABB, Schneider, Siemens, as well as the official authorized distributor of Xiamen Huadian. Especially in the overseas promotion and supply of Xiamen Huadian's full range of products, we have deep channel advantages and rich service experience.

We specialize in exporting a full range of industrial control products, including:

Transmission equipment and electrical machinery frequency converter

Low voltage electrical equipment

PLC system

Motor and related supporting components

Xiamen Huadian Switchgear, Switchgear and Supporting Electrical Products

Relying on a professional sales and technical team, we provide customers with one-stop comprehensive services, covering strict quality control, highly competitive prices, stable and reliable logistics, and comprehensive after-sales technical support.

At present, our products and solutions have been exported to over 80 countries and regions across six continents, serving core industries in various regions

Europe: Shipbuilding, New Energy, and Power Industries

Asia: Textile, sugar and equipment manufacturing industries

South America: Port logistics, shipping, and infrastructure sectors

We are always committed to stable, efficient, and long-term partnerships, and have established a good reputation in the global industrial control market with our professional strength, becoming a trusted supplier for customers at home and abroad.



Certificate



Our Team



Our Factory



Participate in exhibitions

