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ZY.900.001EN(V2024.10)

Make Distributed New Energy Within Reach



01 Company Profile

02 Product Introduction

03 Solutions

04 Global Business

INTRODUCTION



Reliable small & medium sized WTG supplier



10000+ Wind & Solar hybrid systems



Stock code : 430324;



110+ Patents & Certifications;



Shanghai Ghrepower Green Energy Co., Ltd (Stock abbr.: Shanghai Ghrepower, stock code:430324), founded in 2006, with registered capital of USD 11 million. It successfully went to public in China's National Equities Exchange and Quotations system - NEEQ, then becoming the first renewable company dedicated in the renewable energy application solutions in the Board.

Shanghai Ghrepower is a high-technology enterprise, located in Shanghai, which engages itself in the renewable energy R & D, manufacturing, sales, operations and maintenance, and industrial investment. The company devotes to the power solutions of telecoms, military and civil use, commercial and utilities fields, meanwhile provides application studies of micro grid, intellectual grid and commercial power generation investments.

The company is oriented by the market and persistent with technology innovations, and has achieved 118 items of independent intellectual properties and patents, of which there are 24 inventions, 4 PTC patents and 16 software creations. The company attends to draft multiple national standards, and has obtained CE, ETL, G59, CEI0-21, IEC61400, SWCC, ClassNK, CRES certifications.

Shanghai Ghrepower takes “ Make Distributed New Energy Within Reach” as its enterprise mission. It accelerates the widespread distribution of renewable energy globally, making contribution to distributed new energy become economical and affordable. In the future, Ghrepower will insist in new energy industry, move at a pace of globalization and forge the company to be a renewable energy application leader, and pay its utmost contribution to the beautiful earth village.

Milestone

- **2020 - Now**
Start to promote carbon neutral domestic and international double cycle strategy.
Import foreign distributed experience into China and fully promote carbon neutrality
- **2015-2019**
Entered into the Japanese market
ClassNK certification with three models, set up a wholly-owned subsidiary
- **2013-2015**
Domestic communication base stations entered the period of comprehensive development
Domestic communication base station business market share exceeds 50%
- **2013**
Publicly Listed in the New Third Board (NEEQ)
Stock code:430324, became the first company in the renewable energy application solutions
- **2012**
Full access to the North American market
The first FD16-30 wind turbine was exported to the United States, America Ghrepower was established
- **2011**
Full access to the European market
FD21-60 wind turbine customized design for Italy development, successfully connected to the grid, Italy Ghrepower was established
- **2009**
Overseas market development
The first FD13-50 was exported to U.K., opening up internationalized strategy.
- **2008**
Won the bid for China Mobile's centralized procurement
Became the successful bidder for China Mobile's centralized procurement of new energy base station power supply systems for the first time and rated “Outstanding Supplier” for many consecutive years.
- **2006**
Shanghai Ghrepower established
Focusing on research, development, manufacturing, sales, operation and maintenance of small and medium sized WTGS.



Continuous innovation from user to service



Excellent R&D strength

Shanghai Ghrepower has a group of experienced independent R&D team engaged in wind energy application research



First-class production control

Shanghai Ghrepower manufactures WTGS, controllers, inverters, blades, other ancillary equipment and raw materials in strict accordance with quality control system, to ensure the safety and reliability of the entire system. Excellent R&D strength



Advanced project investment philosophy

Shanghai Ghrepower explores overseas markets, and has set up branches in the United States, Italy, Canada, Japan and Taiwan, China to carry out small and medium sized WTGS project investment. The transformation from product sales to industry investment not only brings long-term steady business returns, but also guides industry model innovation.



Improved operation and maintenance system

To ensure the ability to provide customers with high quality services, Shanghai Ghrepower has set up a strict service staff certification management system to train, examine and certify them. Their improved skills provide guarantee for customer satisfaction.



Integrated Designing Concept



Major Product Line Technical Parameters

							
FD5	FD8	FD16	FD22	FD25	FD32	FD42	FD56
FD5-5	FD8-9.8	FD16-30	FD22-50	FD25-60	FD32-150	FD42-300	FD56-400
			FD22-60	FD25-100		FD42-400	FD56-500

ZKW Series Controller
GNW Series Inverters
CUBE Remote Monitoring System

SerialCode	FD5	FD8	FD16	FD22		FD25		FD32	FD42		FD56	
RotorDia.(m)	5.1	7.8	15.6	21.8		25		32.2	42		56	
ModelNo.	FD5-5	FD8-9.8	FD16-30	FD22-50	FD22-60	FD25-100	FD25-60	FD32-150	FD42-300	FD42-400	FD56-400	FD56-500
Rated power(kW)	5	9.8	30	50	60	100	60	150	300	400	400	500
Sweep area per kilowatt(m²/kW)	4.08	4.87	6.37	7.46	6.22	4.90	8.18	5.41	4.61	3.46	6.15	4.92
Rated wind speed (m/s)	11	11	10	8.6	9.5	11	9	9.8	11	12	9.5	10.5
AEP(MWh)@5m/s	8.1	19.3	69.3	143	152	205	168	332	591	641	989	1052
AEP(MWh) @5.5m/s	10.3	23.7	84.7	169	183	252	200	405	733	799	1194	1291
Designed grade	IECIII A		IECII A	IECII A		IECIII A		IECS (DIII A)	IECIII A		IECS (DIII A)	
Survival(m/s)	52.5		59.5	59.5		52.5		52.5	52.5		52.5	
Speed Control	Yaw/Stall		Stall	Pitch control								
Brake way	Mechanical/Electromagnetic			Pitch control/Mechanical/Electromagnetic								
Application scenarios	Base station/Border/ Island household		Small wind farms, smart grids, microgrid systems, distributed power generation									

Product Features

- Adopt low speed permanent magnet generator, direct-drive gearless transmission design, transmission system is efficient and with reliable long working life
 - Variable pitch control technology to ensure stable power output during gust
 - Multiple safety protections of intellectual variable pitching, mechanical, braking, electric magnetic braking, and active yawing system
 - Highly efficient full power inverter, conforming to multiple countries on-grid standards and suitable for sorts of grid application requirements.
- Directly connect to the Low-Voltage 400V Grid, access the nearby load distribution system, immediately consume the power and transfer surplus power to the grid leads to efficient energy transmission
 - SCADA monitoring system with perfect functions can realize real-time monitoring, report statistics, fault diagnosis, operation and maintenance management integration
 - Suitable for distributed new energy applications in different scenarios such as industrial parks, ports, oil fields, mines, villages and high-speed service areas

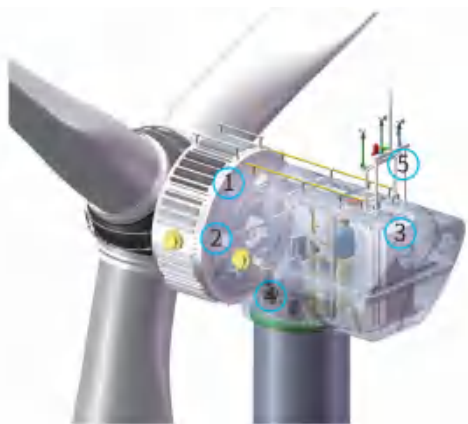
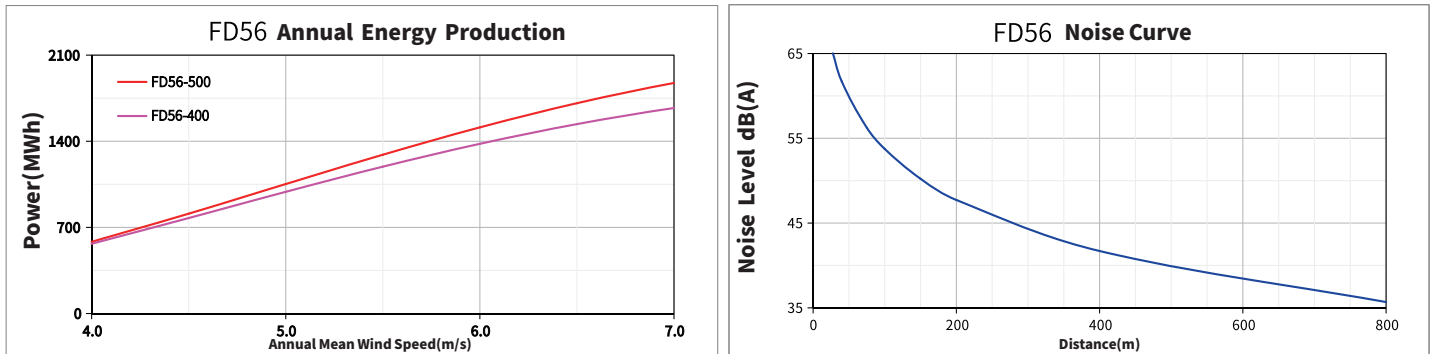


Figure 1 Nacelle structure diagram

- ① Generator
- ② Braking Device
- ③ Control Box
- ④ Yawing Device
- ⑤ Anemometer / Vane

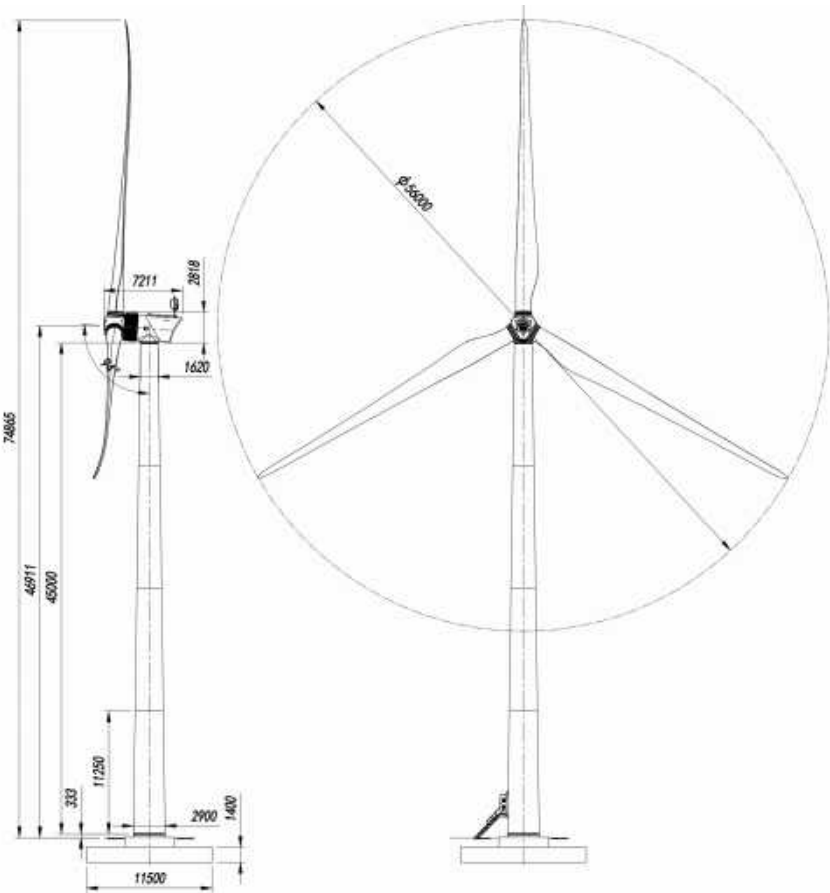
Annual Energy Production and Noise Level



Annual mean wind speed(m/s)	4.0	4.5	5.0	5.5	6.0	6.5	7.0
FD56-500 AEP(MWh)	583	812	1052	1291	1513	1709	1874
FD56-400 AEP(MWh)	567	776	989	1194	1379	1539	1670

Specifications

Model	FD56-400	FD56-500	Tower Height(m)	49
Design Class	IECS (DIIIA)		Nacelle Weight (t)	28
Rated Power (kW)	400	500	Tower Weight(t)	42
Rotor Diameter(m)	56		Brake System	Pitch/Mechanical/Electromagnetic
Rated Wind Speed (m/s)	9.5	10.5	Speed Regulation	Pitch Control
Rated PRM(rpm)	28	29	Lightning Protection	Air Termination
Cut-in Wind Speed (m/s)	3		Surface Anti-corrosion	C5
Cut-out Wind Speed (m/s)	18(10min),22(10s)		Blade Material	FRP
Extreme Wind Speed (m/s)	52.5		Generator Type	Permanent Magnet Direct-drive Generator
Noise Level dB(A)	58		Monitoring System	CUBE
Operating Temperature(°C)	-20~50		Lifespan(year)	20
Grid-connected Access Mode	Lifespan(year)Low-Voltage 400V Grid			



计量单位:mm

Product Features

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 - Suitable for distributed new energy applications in different scenarios such as industrial parks, ports, oil fields, mines, villages and high-speed service areas.

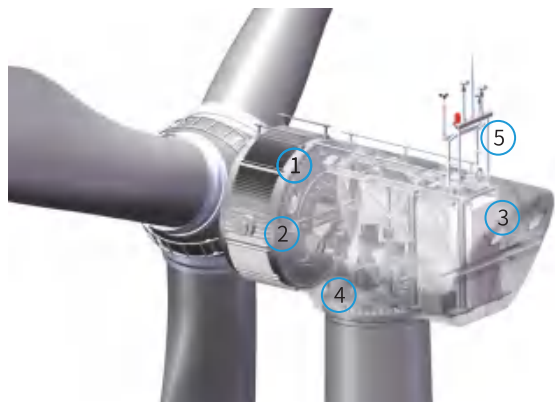
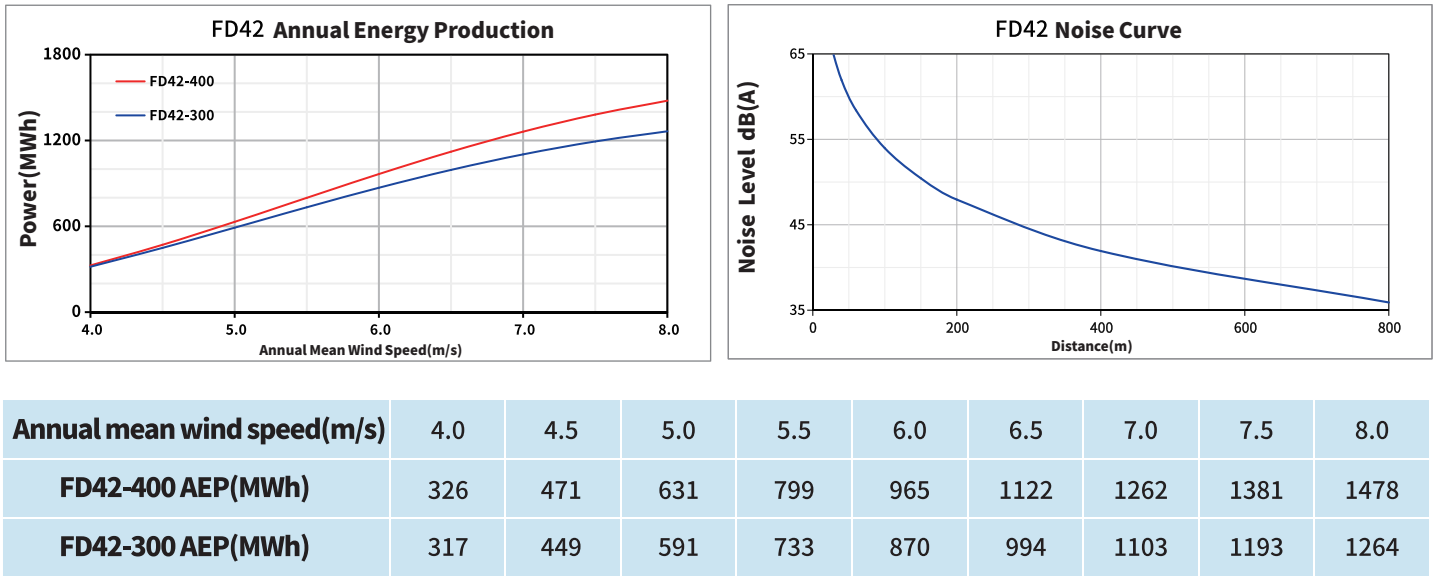


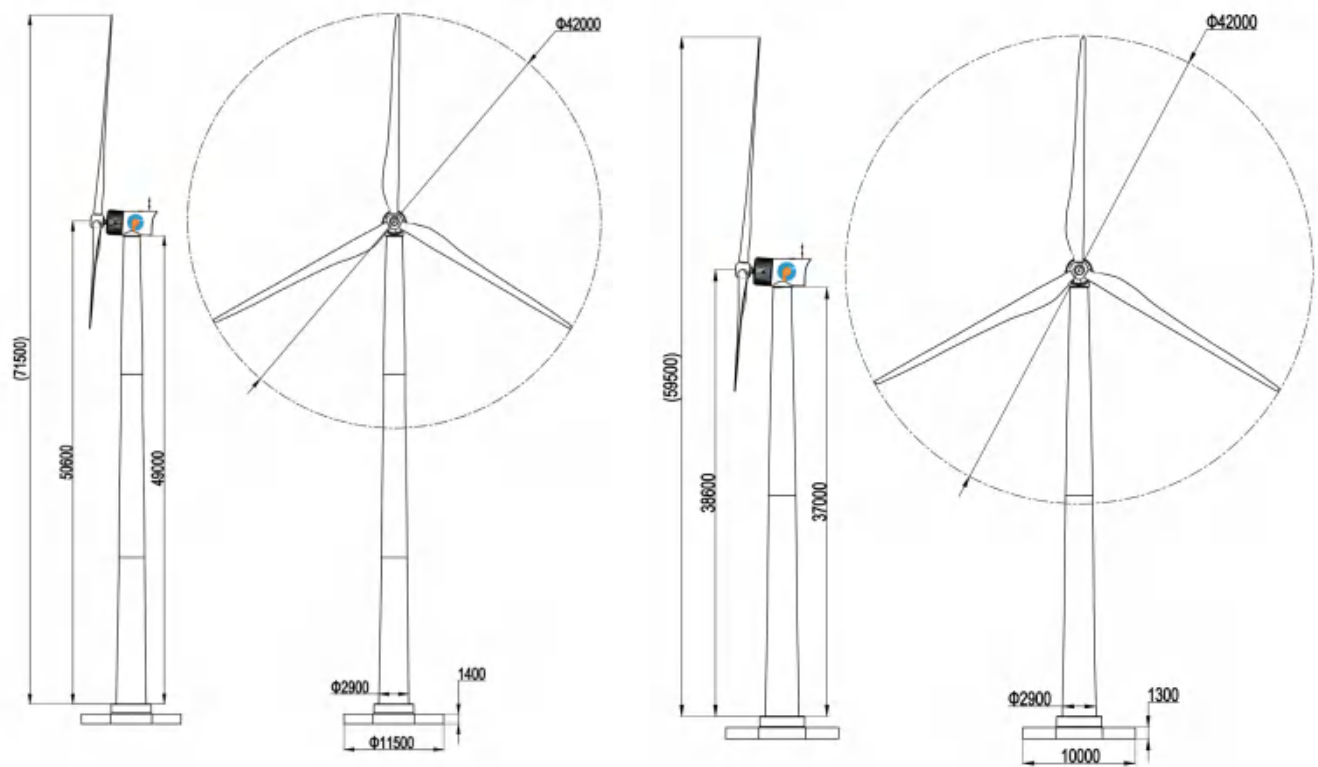
Figure 1 Nacelle structure diagram

Annual Energy Production and Noise Level



Specifications

Model	FD42-300	FD42-400	Tower Height(m)	37/49
Design Class	IECIII A		Nacelle Weight (t)	25.0
Rated Power (kW)	300	400	Tower Weight(t)	28.0/38.0
Rotor Diameter(m)	42		Brake System	Pitch/Mechanical /Electromagnetic
Rated Wind Speed (m/s)	11	12	Speed Regulation	Pitch Control
Rated PRM(rpm)	35	36	Lightning Protection	Air Termination
Cut-in Wind Speed (m/s)	3		Surface Anti-corrosion	C5
Cut-out Wind Speed (m/s)	24		Blade Material	FRP
Extreme Wind Speed (m/s)	52.5		Generator Type	Permanent Magnet Direct-drive Generator
Noise Level dB(A)	58		Monitoring System	CUBE
Operating Temperature(°C)	-20~50		Lifespan(year)	20
Grid-connected Access Mode	Low-Voltage 400V Grid			



计量单位:mm

Product Features

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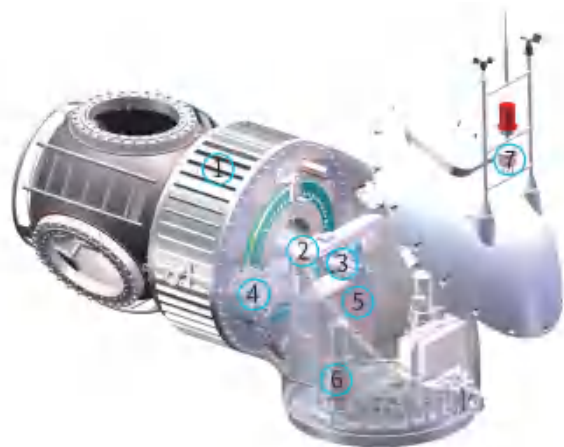


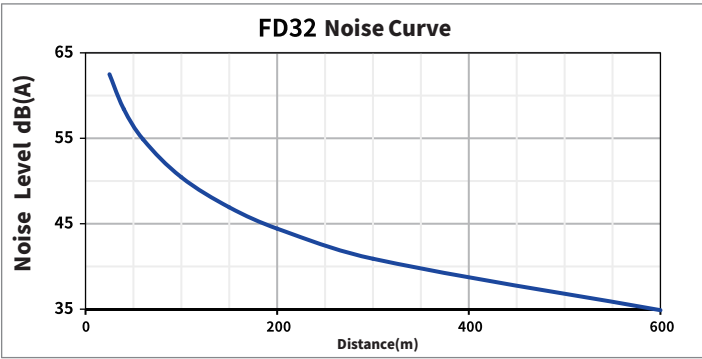
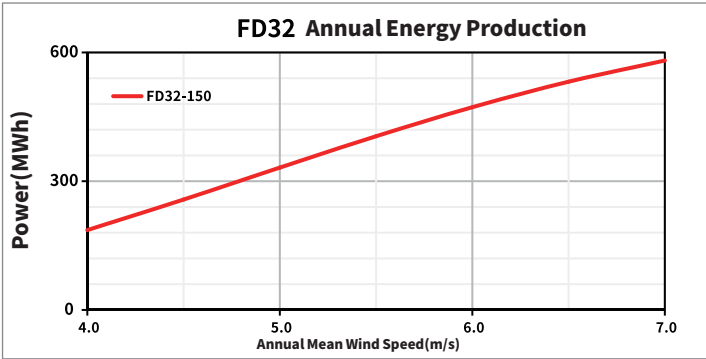
Figure 1 Nacelle structure diagram



Figure 2 Inverter and Controller

- ①Generator ②Lubrication ③Pitch
- ④Braking Device ⑤Control Box ⑥Yawing Device
- ⑦Anemometer/Vane⑧Inverter ⑨Controller

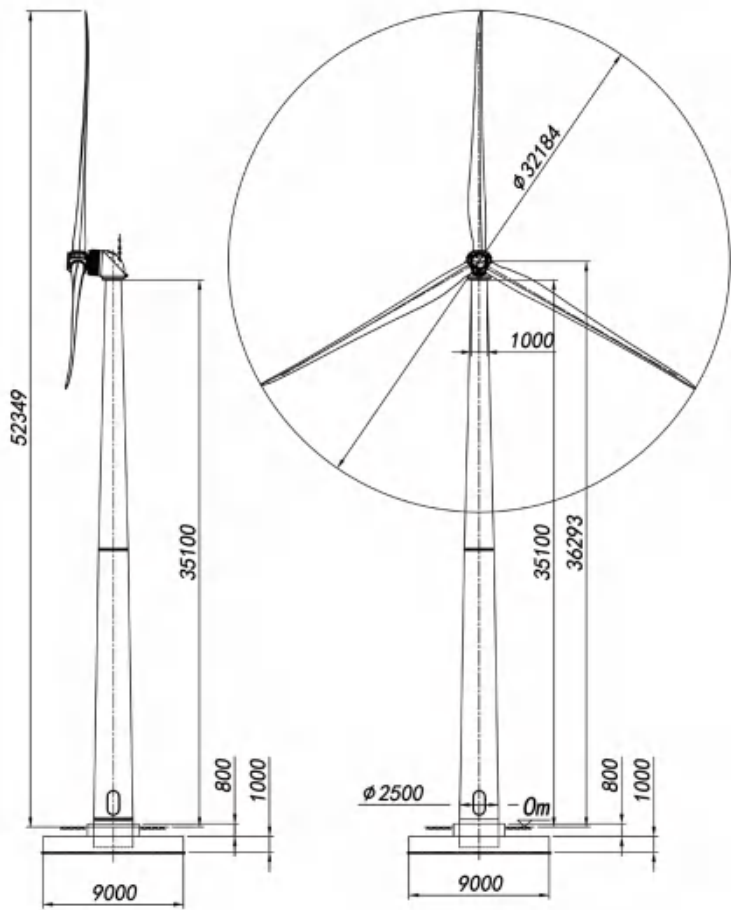
Annual Energy Production and Noise Level



Annual wind speed(m/s)	4.0	4.5	5.0	5.5	6.0	6.5	7.0
FD32-150 AEP(MWh)	196	268	343	417	485	544	593

Specifications

Model	FD32-150	Tower Height(m)	35
Design Class	IECS(DIIIA)	Nacelle Weight (t)	9
Rated Power (kW)	150	Tower Weight(t)	18.2
Rotor Diameter(m)	32.2	Brake System	Pitch/Mechanical/Electromagnetic
Rated Wind Speed (m/s)	9.8	Speed Regulation	Pitch Control
Rated PRM(rpm)	48	Lightning Protection	Air Termination
Cut-in Wind Speed (m/s)	3	Surface Anti-corrosion	C5
Cut-out Wind Speed (m/s)	18(10min),22(10s)	Blade Material	FRP
Extreme Wind Speed (m/s)	52.5	Generator Type	Permanent Magnet Direct-drive Generator
Noise Level dB(A)	58	Monitoring System	CUBE
Operating Temperature(°C)	-20~50	Lifespan(year)	20
Grid-connected Access Mode	Low-Voltage 400V Grid		



计量单位:mm

Product Features

- Conform to Italy CEI0-21, America UL1741, Canada CSA C22.2 NO.107.1-01, England G59/2;
- CE, IEC61400 certifications
- Permanent magnet direct-drive wind turbine system with active pitch control technology
- Active pitch adjustment under gust wind to ensure power output stability.
- Multiple safety protections of intellectual variable pitch, mechanical braking, electromagnetic braking, and active yawing system.
- Full power inverter isolation technology ensures safety operation of WTG.
- Suitable for small scale wind farm, smart grid, micro grid.

- Low noise: Reduce noise by best practice designing.
- High power generation: Optimize parameters setting by analyzing huge amounts of operation data.
- Lower cost: Reduce initial investment by integrating controller and inverter inside the tower and cutting controller room's installation cost.

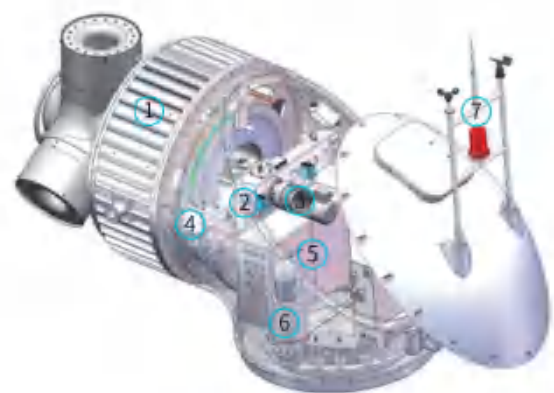


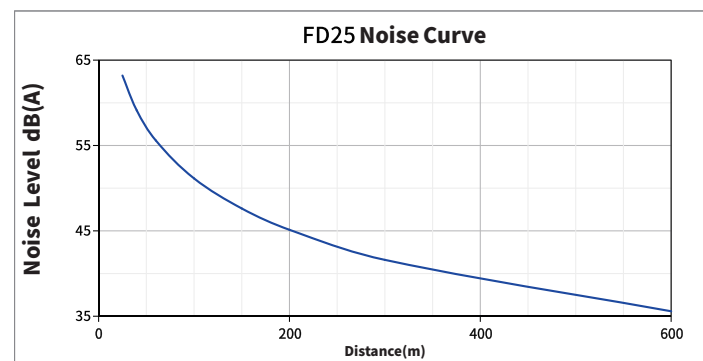
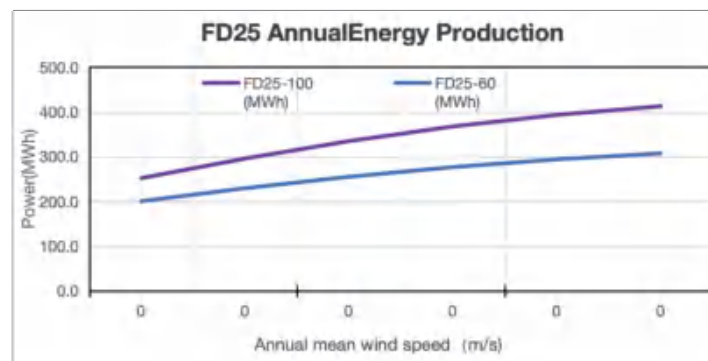
Figure 1 Nacelle structure diagram



Figure 2 Inverter and Controller

- ①Generator ②Lubrication ③Pitch
④Braking Device ⑤Control Box ⑥Yawing Device
⑦Anemometer/Vane ⑧Inverter ⑨Controller

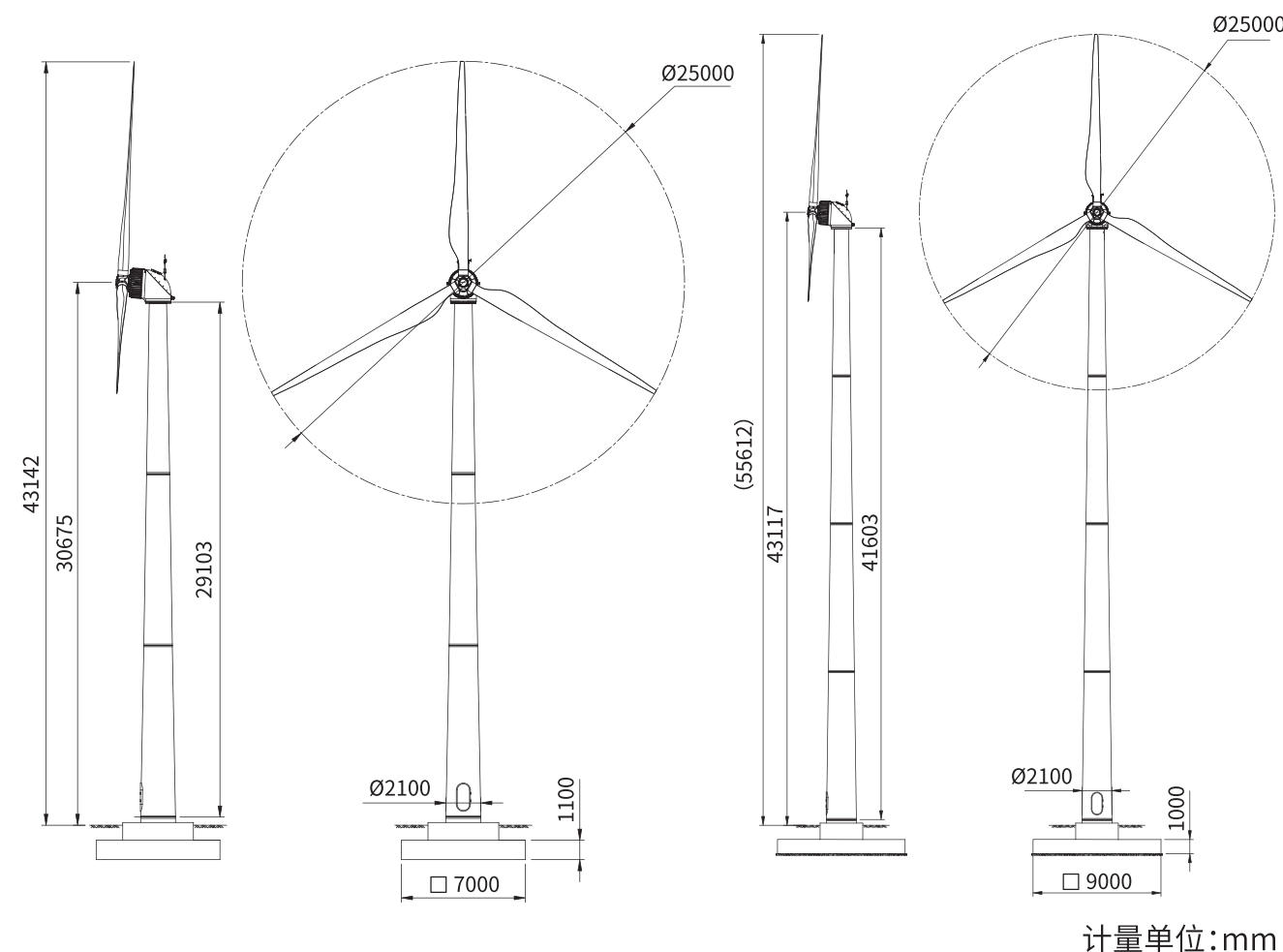
Annual Energy Production and Noise Level



Annual mean wind speed(m/s)	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
FD25-60AEP(MWh)	100.9	134.8	168.4	200.3	229.3	254.9	276.4	293.8	307.1
FD25-100AEP(MWh)	112.7	157.5	204.8	251.7	295.6	334.5	367.2	393.1	412.4

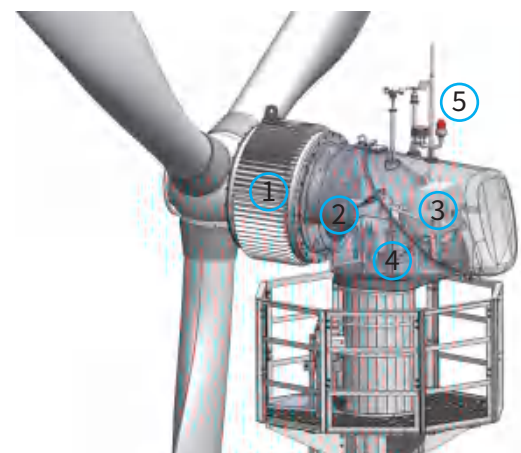
Specifications

Model	FD25-60	FD25-100	Tower Height(m)	30/42
Design Class	IECIII A		Nacelle Weight (t)	9.1
Rated Power (kW)	60	100	Tower Weight(t)	13.8/19.6
Rotor Diameter(m)	25		Brake System	Pitch/Mechanical/Electromagnetic
Rated Wind Speed (m/s)	9	11	Speed Regulation	Pitch Control
Rated PRM(rpm)	44	52	Lightning Protection	Air Termination
Cut-in Wind Speed (m/s)	3		Surface Anti-corrosion	C5
Cut-out Wind Speed (m/s)	25		Blade Material	FRP
Extreme Wind Speed (m/s)	52.5		Generator Type	Permanent Magnet Direct-drive Generator
Noise Level dB(A)	58		Monitoring System	CUBE
Operating Temperature(°C)	-20~50		Lifespan(year)	20
Grid-connected Access Mode	Low-Voltage 400V Grid			



Product Features

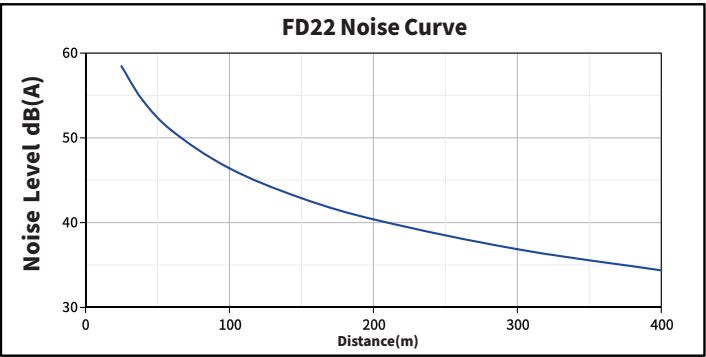
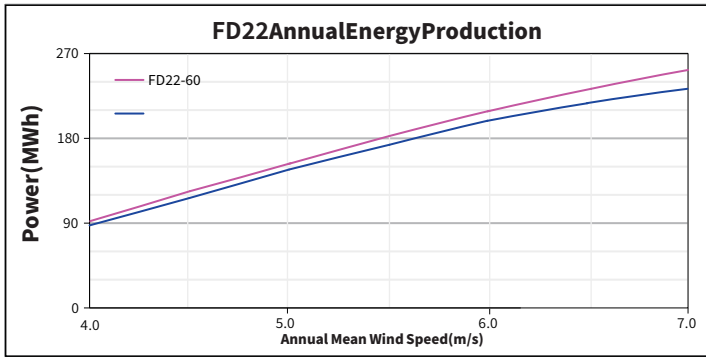
- Adopt low speed permanent magnet generator, direct-drive gearless transmission design, transmission system is efficient and with reliable long working life
- Highly efficient full power inverter, conforming to multiple countries on-grid standards and suitable for sorts of grid application requirements.
- Directly connect to the Low-Voltage 400V Grid, access the nearby load distribution system, immediately consume the power and transfer surplus power to the grid leads to efficient energy transmission
- SCADA monitoring system with perfect functions can realize real-time monitoring, report statistics, fault diagnosis, operation and maintenance management integration
- Suitable for distributed new energy applications in different scenarios such as industrial parks, ports, oil fields, mines, villages and high-speed service areas.
- Variable pitch control technology to ensure stable power output during gust
- Multiple safety protections of intellectual variable pitching, mechanical braking, electric magnetic braking, and active yawing system
- Low noise: Reduce noise by best practice designing.
- High power generation: Optimize parameters setting by analyzing huge amounts of operation data.
- Lower cost: Reduce initial investment by integrating controller and inverter inside the tower and cutting controller room's installation cost.



- ① Generator
- ② Braking Device
- ③ Control Box
- ④ Yawing Device
- ⑤ Anemometer/Vane

Figure 1 Nacelle structure diagram

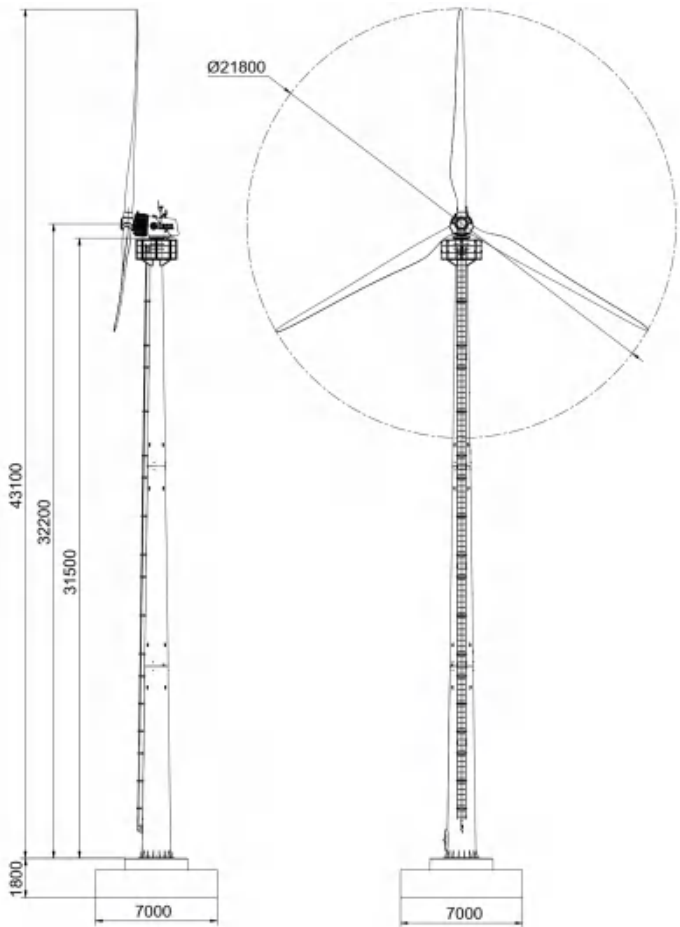
Annual Energy Production and Noise Level



Annual mean wind speed(m/s)	4.0	4.5	5.0	5.5	6.0	6.5	7.0
FD22-60 AEP(MWh)	90	121	152	183	210	234	253
FD22-50 AEP(MWh)	87	115	143	169	192	212	228

Specifications

Model	FD22-50	FD22-60	Tower Height(m)	31.5
Design Class	IECS(DIIIA)		Nacelle Weight (t)	4.0
Rated Power (kW)	50	60	Tower Weight(t)	10.0
Rotor Diameter(m)	21.8		Brake System	Pitch/Mechanical/Electromagnetic
Rated Wind Speed (m/s)	8.6	9.5	Speed Regulation	Pitch Control
Rated PRM(rpm)	65	66	Lightning Protection	Air Termination
Cut-in Wind Speed (m/s)	3		Surface Anti-corrosion	C5
Cut-out Wind Speed (m/s)	18(10min), 22(10s)		Blade Material	FRP
Extreme Wind Speed (m/s)	52.5		Generator Type	Permanent Magnet Direct-drive Generator
Noise Level dB(A)	56		Monitoring System	CUBE
Operating Temperature(°C)	-20~50		Lifespan(year)	20
Grid-connected Access Mode	Low-Voltage 400V Grid			



计量单位:mm

Product Features

- Designed according to IEC61400-2 standard, sweep area of 191 square meters
- Conform to Japan CLASSNK, Italy CEI0-21, America UL1741, Canada CSA C22.2 NO.107.1-01, England G59/2;
- SWCC, CE, IEC61400 certifications
- Stall speed adjustment to ensure power output stability.

- Multiple safety protections of mechanical braking, electromagnetic braking, and active yawing system.
- Full power inverter isolation technology ensures safety operation of WTG.
- SCADA remote online monitoring technology can realize real-time monitoring and adjustment of parameters

- High power generation capacity: FD16 series with special characteristics of high efficiency can produce more power under similar wind speed circumstances.
- Lower Noise: FD16 series adopt advanced 9 phase generator technology and low noise bearing designing, which can control noise more effectively and thereby provide silent and friendly operation environment
- Reduce EPC cost: Integrates traditional inverter, controller and dump load together as a complete control cabinet that can be used independently outside, effectively eliminating the construction cost of the machine room
- Simplified operation and maintenance workload: The integrated design of electrical integrated cabinets effectively simplifies the workload of future operation and maintenance

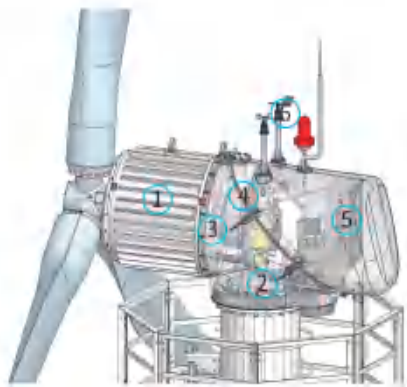


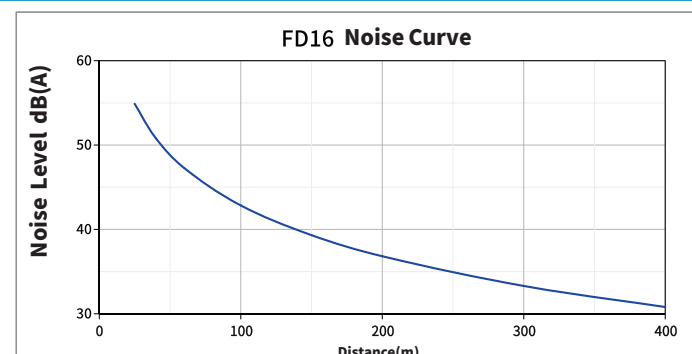
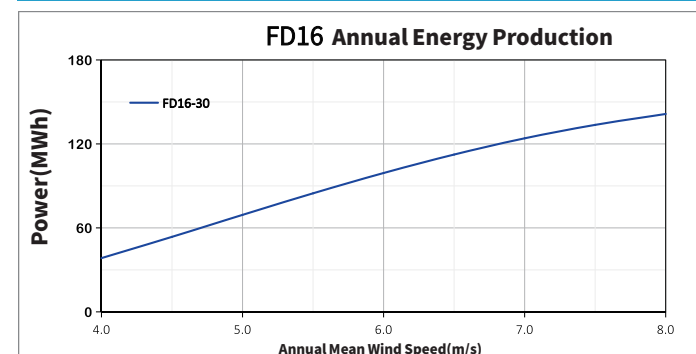
Figure 1 Nacelle structure diagram



Figure 2 Inverter and Controller Integrated Cabinet

- ①Generator ②Yawing Syetem ③Main Shaft Braking System
④Lubrication ⑤Signal Collection Box ⑥Anemometer/Vane
⑦Inverter ⑧Controlle ⑨Dump load

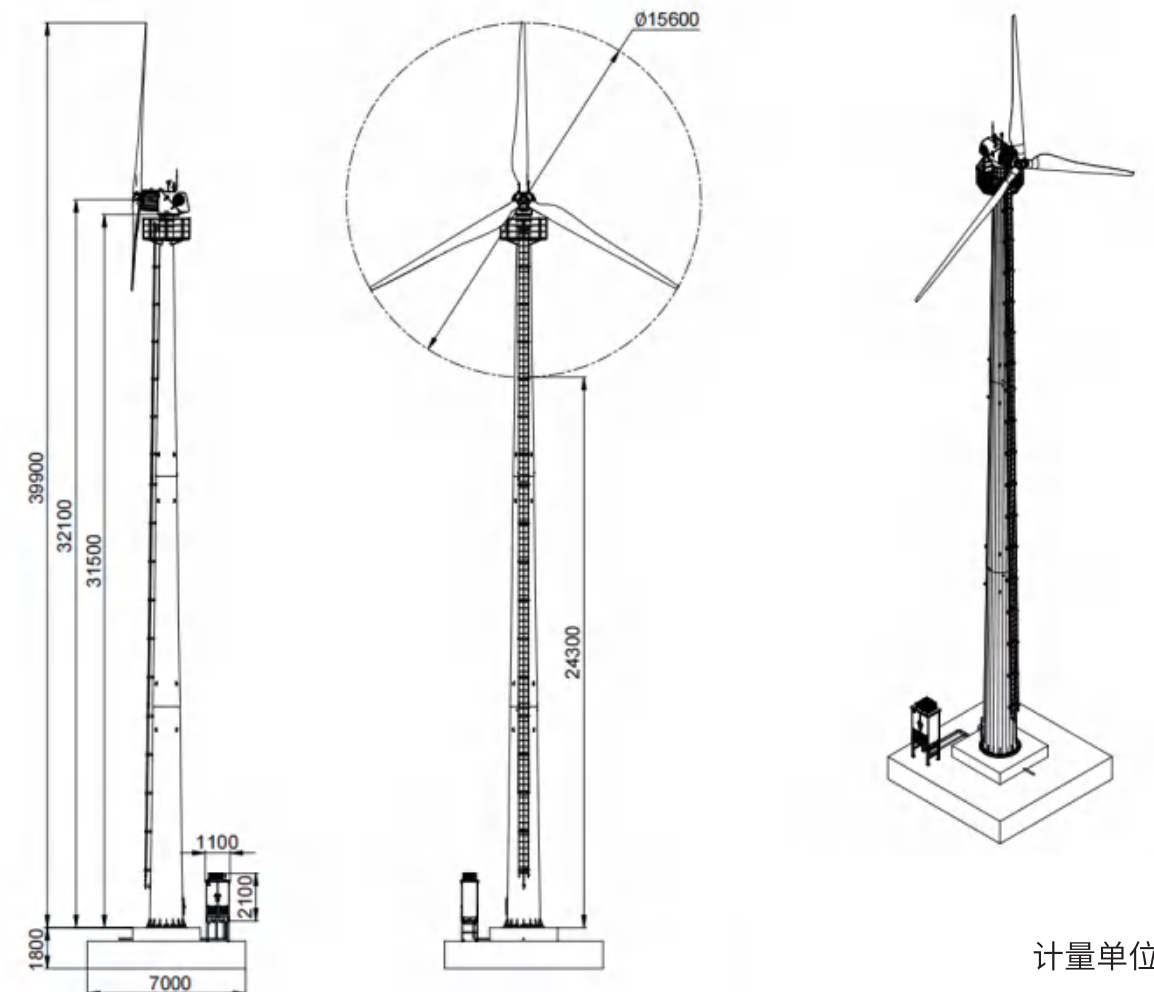
Annual Energy Production and Noise Level



Annual mean wind speed(m/s)	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
FD16-30 AEP(MWh)	38.4	53.6	69.3	84.7	99.2	112.4	124.0	133.6	141.4

Specifications

Model	FD16-30	Tower Height(m)	32
Design Class	IECIIA	Nacelle Weight (t)	3.0
Rated Power (kW)	30	Tower Weight(t)	9.9
Rotor Diameter(m)	15.6	Brake System	Mechanical/Electromagnetic
Rated Wind Speed (m/s)	10	Speed Regulation	Stall Control
Rated PRM(rpm)	69	Lightning Protection	Air Termination
Cut-in Wind Speed (m/s)	3	Surface Anti-corrosion	C5
Cut-out Wind Speed (m/s)	25	Blade Material	FRP
Extreme Wind Speed (m/s)	59.5	Generator Type	
Noise Level dB(A)	55	Monitoring System	CUBE
Operating Temperature(°C)	-20~50	Lifespan(year)	20
Grid-connected Access Mode	Low-Voltage 400V Grid		



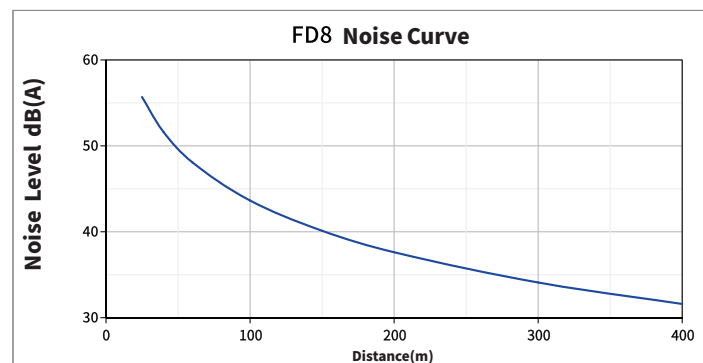
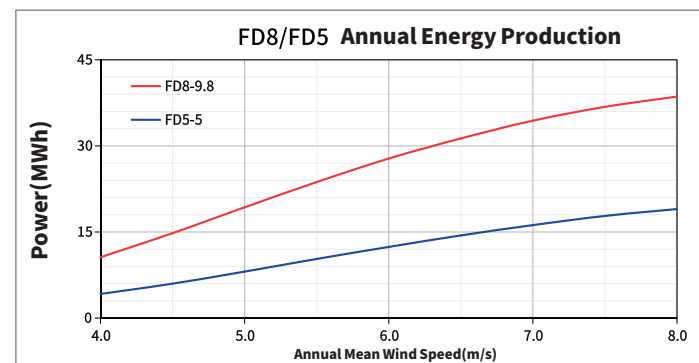
计量单位:mm

Product Features

- Modularized standard designing for easy extending
- With RS485 communication interface and can be monitored remotely through GPRS
- Sustaining typhoon conditions
- Professional magnetic route designing, lower start torque
- Light spare parts, flexible and convenient for installation
- Over 10,000 sets are in operations all over the globe
- Widely used for communications, frontier islands, utilities, and residential electricity
- Low noise: Reduce noise level by optimizing generator design
- Reduce cost: Integrates traditional inverter, controller and dump load together as a complete control cabinet that can be used independently outside, effectively eliminates the construction cost of the machine room and simplifies the workload of future operation and maintenance



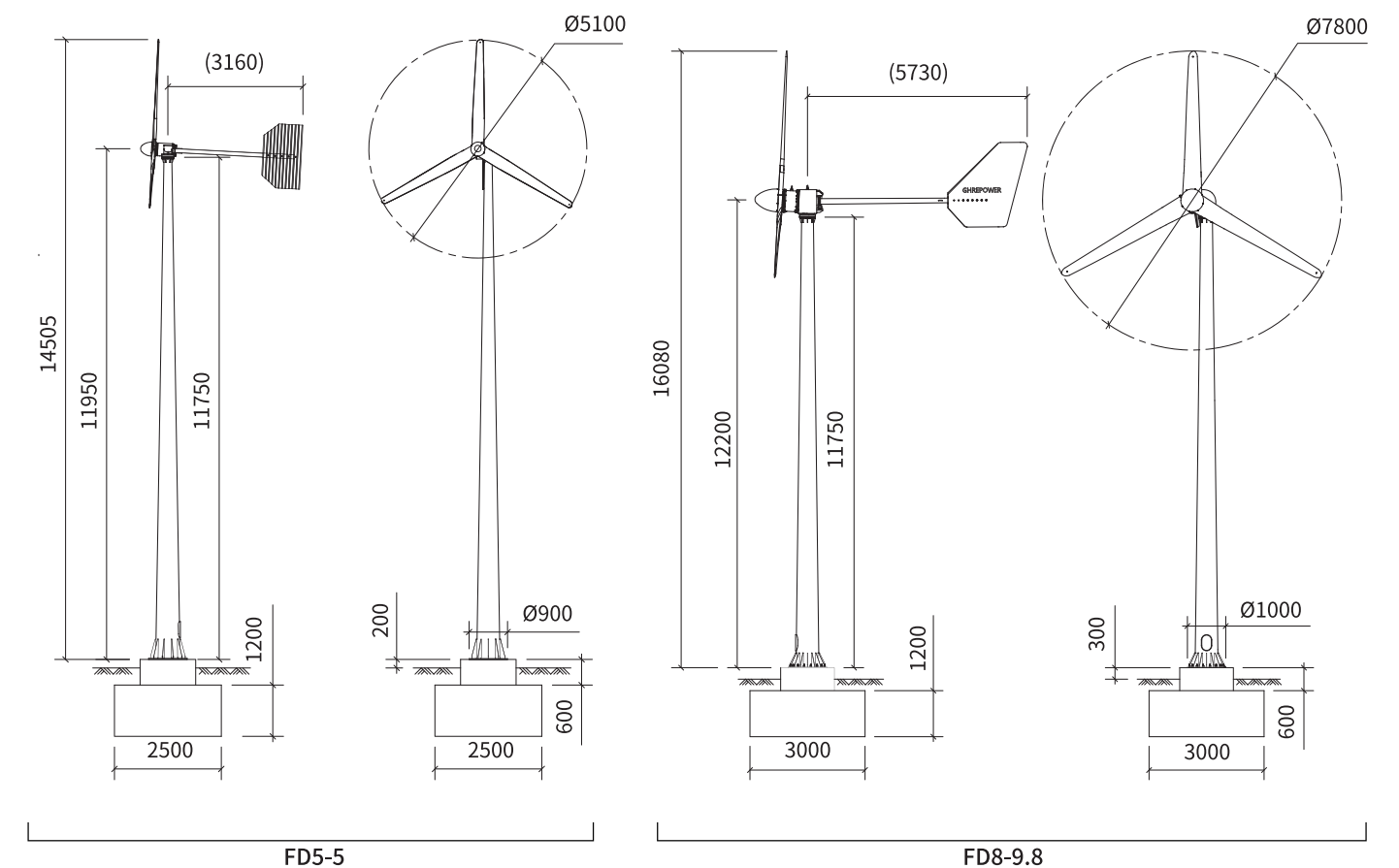
Annual Energy Production and Noise Level



Annual mean wind speed(m/s)	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0
FD8-9.8 AEP(MWh)	10.6	14.8	19.3	23.7	27.8	31.3	34.4	36.8	38.6
FD5-5 AEP(MWh)	4.2	6.0	8.1	10.3	12.4	14.4	16.2	17.8	19.0

Specifications

Model	FD5-5	FD8-9.8	Tower Height(m)	12	12/20
Design Class	IECIIIA		Nacelle Weight (t)	0.19	0.67
Rated Power (kW)	5	9.8	Tower Weight(t)	1.8	2.1
Rotor Diameter(m)	5.1	7.8	Brake System	Mechanical/Electromagnetic	
Rated Wind Speed (m/s)	11	11	Speed Regulation	Cornering/Stall Control	
Rated PRM(rpm)	270	170	Lightning Protection	Surge/Tower Grounding	
Cut-in Wind Speed (m/s)	3		Surface Anti-corrosion	C5	
Cut-out Wind Speed (m/s)	25		Blade Material	FRP	
Extreme Wind Speed (m/s)	52.5		Generator Type	Permanent Magnet Direct-drive Generator	
Noise Level dB(A)	56		Monitoring System	CUBE	
Operating Temperature(°C)	-20~50		Lifespan(year)	20	
Grid-connected Access Mode	Low-Voltage 400V Grid				



计量单位:mm

Distributed wind power solutions

More efficient use of resources and higher returns on business investment



Model: FD16-19.2
Project location: Hokkaido, Japan
Run time: 2019



Model: FD25-100
Project location: Liaoning Province, China
Run time: 2018



Model: FD42-400
Project location: Neimenggu Municipality, China
Run time: 2021



Model: FD21-50
Project location: Nova Scotia, Canada
Run time: 2015

Application background : Global feed-in tariff subsidy policy, high cost of electricity, wind resources rich region

System features: Low voltage grid-connected, close to the user side absorption; Not strictly restricted by the power grid standards, leaving out the standardized equipment supporting the power grid, and increasing the users' independent choice; Make full use of recyclable, pollution-free and cheap wind resources to complement distributed photovoltaic in time and space, and improve the overall utilization rate of distributed clean energy; No need for large-scale and intensive capital investment, and existing resources can be reused with lower initial investment and higher return on asset investment

Application fields: Oil and gas industry, village power supply, industrial park and other regions power supply

Distributed wind power solutions

Complementary new energy power supply, stable and reliable system



Model: FD32-150
Project location: Yunnan Province, China
Project description: Project of distributed new energy for rural revitalization
Run time: 2023



Model: FD21-50
Project location: Zhejiang Province, China
Project description: Project of distributed new energy for industrial park
Run time: 2023



Model: FD21-100
Project location: Bristol, England
Run time: 2013



Model: FD25-100
Project location: Qingdao, Canada
Run time: 2021

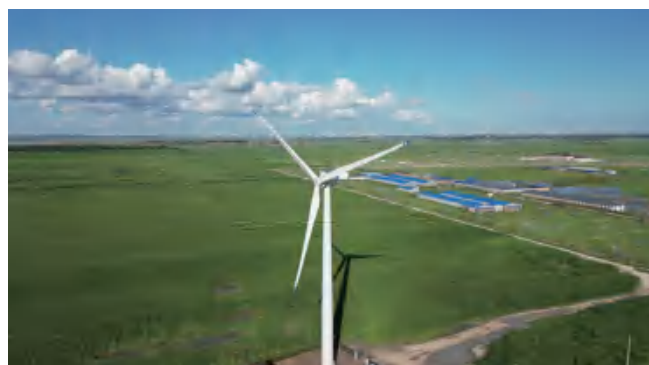
Application background : Suitable for unstable power grid, insufficient power grid capacity, and no power grid coverage area

System features: Strong matching, with good AC/DC power grid adaptability, can realize a variety of energy complementarity such as wind, PV& diesel; The network is flexible, which can be incorporated into the external power grid or formed into an independent power grid with other equipment. Orderly scheduling, can quickly respond to all kinds of scheduling instructions of the system energy management system; Perfect monitoring, monitoring management system can meet the needs of a variety of applications of power and load management; Environment-friendly, preferential use of wind, PV new energy, saving traditional fossil energy

Application fields: Islands, villages, public utilities and other areas of power supply

Distributed wind power solutions

Complementary new energy power supply, stable and reliable system



Model: FD56-500kW
Project location: Songyuan, Jilin
Run time: 2024
Project description: Oil field distributed power supply



Model: FD56-500kW
Project location: Chengde, Hebei Province
Run time: 2024
Project description: New energy heavy-duty truck charging station



Model: FD16-30kW
Project location: Philippines
Run time: 2024
Project description: Island and resort for self-consumption



Model: FD26-60kW
Project location: Crete and Greece
Run time: 2024
Project description: Distributed commercial grid connected electricity sales

Application background: Suitable for high power cost, unstable power grid, insufficient power grid capacity easing local System features:

- Low voltage grid-connected, close to the user side absorption;
- Not strictly restricted by the power grid standards, leaving out the standardized equipment supporting the power grid, and increasing the users' independent choice
- Make full use of recyclable, pollution-free and cheap wind resources to complement distributed photovoltaic in time and space, and improve the overall utilization rate of distributed clean energy;
- No need for large-scale and intensive capital investment, and existing resources can be reused with lower initial investment and higher return on asset investment;

Application fields: Oil and gas industry, village power supply, industrial park, expressway, port & dock and other regions power supply

Communication base station power supply solution

Complementary new energy power supply, stable and reliable system



Model: FD5-5
Project location: Nomrog-united blinder
Run time: 2010
Project description: Ghrepower and ZTE jointly built the site, Ghrepower is responsible for providing the wind turbine and control system, set up 13 sites in Mongolia



Model: FD5-5
Project location: Heilongjiang Province
Run time: 2010
Project description: Solved the power supply problem of base station by wind and PV complementary system



Model: FD5-5
Project location: Xizang municipality
Run time: 2009
Project description: The base station is 5600 meters above sea level, and the lowest temperature is -40 Celsius degrees.

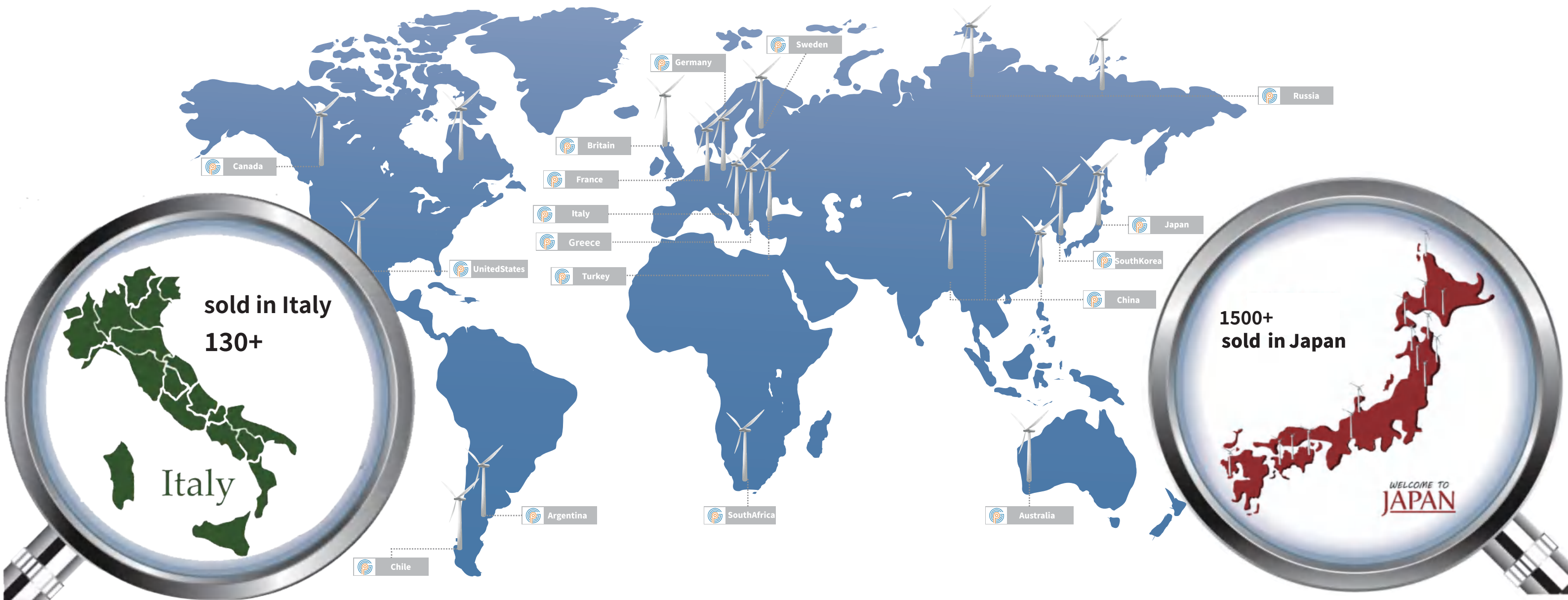


Model: FD5-5
Project location: Sichuan Province
Run time: 2008
Project description: Wind turbine, energy storage communication base station power supply

Application background: With the rapid development of the communication industry, power grid cannot cover or power grid is unstable leads to the unreliable power supply of the base station

System features: For different working conditions, the system has island, high cold, high altitude, desert options; Multi-energy power supply, the pursuit of stable investment equity ratio; Modular design to meet the requirements of different systems; Remote monitoring, real-time understanding of status, reduce operation and maintenance costs

Application fields: Communication base stations with no power, unstable power grid or with energy saving and emission reduction requirements



Global Sales Map

* Data collected internally by Shanghai Ghrepower
 * Data collection deadline on this page: March 31, 2024

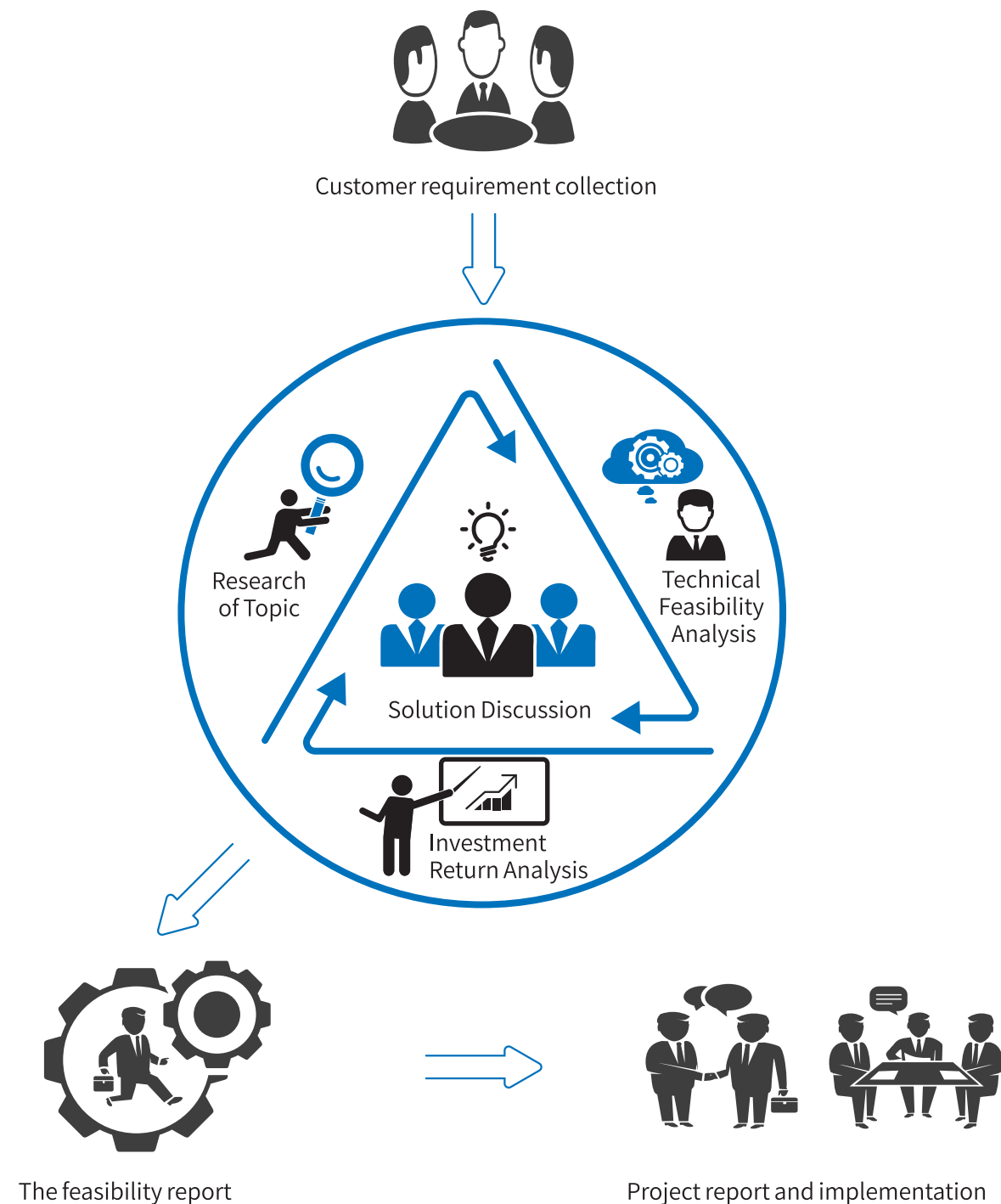
30+
 Countries & regions

50%+
 Market Share in Japan

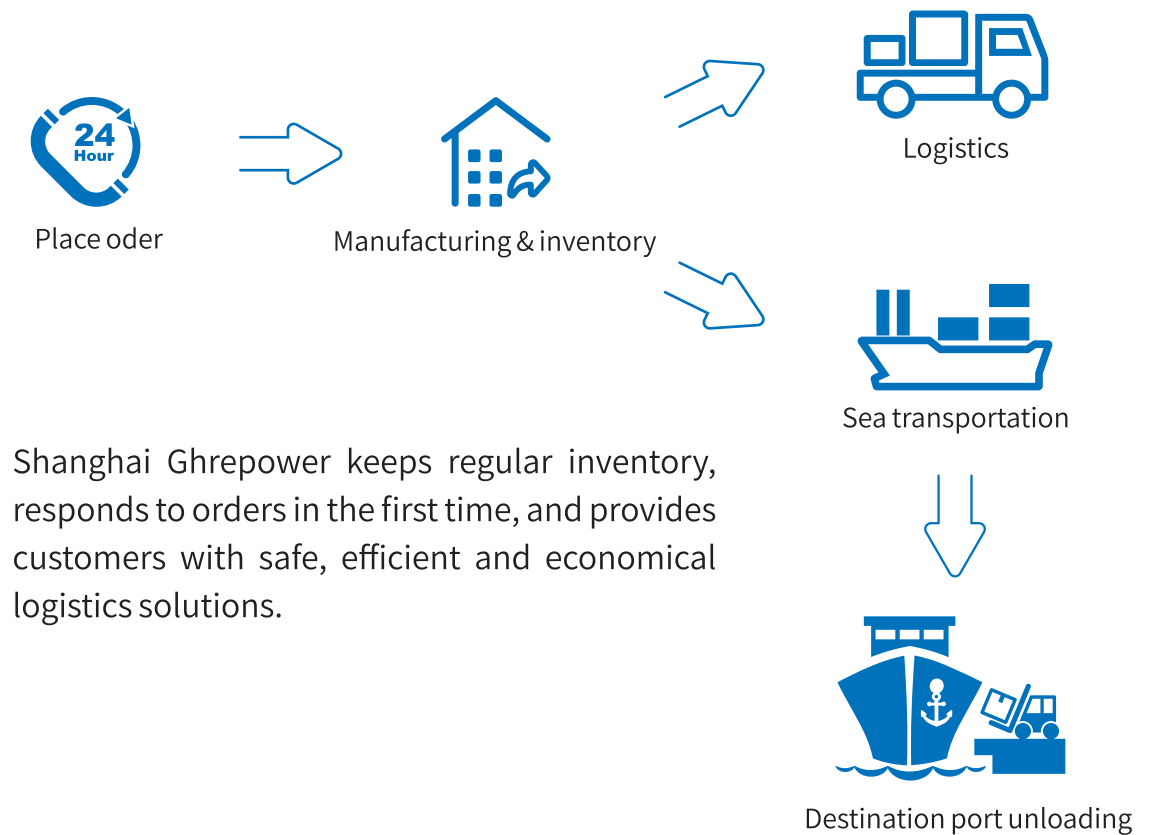
1Company
 Jointly Funded in Canada

1Company
 Solely Funded in Japan

Pre-sale service



After-sale service



Shanghai Ghrepower keeps regular inventory, responds to orders in the first time, and provides customers with safe, efficient and economical logistics solutions.

After-sale service

● EPC skills training certification:

- 1. Wind turbine installation skills training;
- 2. Wind turbine commissioning and grid-connection skills training;
- 3. Skill training for wind turbine troubleshooting;
- 4. Wind turbine operation and maintenance skills training.

Provide 20 years of product operation and maintenance service, more than 3000+ system operation and maintenance experience.

