

Wind Turbine Generator Series

FA Type wind Turbine Generator

Function Characteristics

- ★Using high-power tracking intelligent microprocessor control, effective regulation of current and voltage.
- ★Start the wind speed is low, high wind energy utilization; small size, good looks, low operating vibration.
- ★The installation of user-friendly design, convenient equipment installation, maintenance and repair.
- ★The shell is made of aluminum alloy die-casting, with double bearing carrier, anti-typhoon capacity is stronger, safe and reliable operation.
- ★The wind wheel blades are made of nylon fiber.
- ★The generator using patented magnetic bearing alternator, coupled with a special stator design, make running reliability.

Technical specifications and parameters

Model	FA100W	FA200W	FA300W
Rated Power (w)	100	200	300
Rated voltage (v)	12/24	12/24	12/24
Rotor diameter (m)	0.86	0.85	0.85
Star-up wind speed (m/s)	2.5	2.5	2.5
Rated wind speed (m/s)	12	12	12
Yaw mode	Fixed-wing		
Shell Material	Nylon		
Number of blades	8		
Blade Material	high-strength nylon composite		
Package size (mm)	710*280*205		
Motor type	permanent magnet DC generator		
Package	Carton + foam		



Wind Turbine Generator Series

LB Type wind Turbine Generator

Function Characteristics

- ★Portable, light weight, simple structure, reliable operation, provided power for city light and monitor.
- ★Low running noise, enough power, high efficiency.
- ★Blades are made of high strength composite materials, high strength, toughness, anti-UV, anti-corrosion.
- ★One-time die casting mold, the weight error is small.
- ★Use the RENBEN bearing, high efficiency, wear-resistant, durable, up to 15 years.
- ★H Class high temperature magnet wire, up to 180°C.
- ★Use rare earth NdFeB permanent magnet, high efficiency and light weight,
- ★Low energy consumption, high output power.

Technical specifications and parameters

Model	LB100W	LB200W	LB300W	LB400W
Rated Power (w)	100	200	300	400
Rated voltage (v)	12/24	12/24	12/24	12/24
Rotor diameter (m)	1.2	1.2	1.2	1.2
Star-up wind speed (m/s)	2.0	2.0	2.0	2.0
Rated wind speed (m/s)	12	12	12	12
Yaw mode	Fixed-wing			
Shell Material	die-cast aluminum			
Number of blades	3/5			
Blade Material	high-strength nylon composite			
Package size (mm)	690*360*190			
Motor type	permanent magnet DC generator			
Package	Carton + foam			



Wind Turbine Generator Series

FN Type pastoral areas special wind turbine generator

Function Characteristics

- ★ FN Series of wind turbine using NSK Bearings imported from Japan.
- ★ FN series of wind turbine blades using high strength composites material, Design life is about 20 years.
- ★ FN Series of generator use high efficiency permanent magnet and magnetic circuit design.
- ★ FN series wind turbines shell die-casting, it has advantages of light weight, high strength, no rust, corrosion-resistant body.
- ★ FN series of wind turbines using the automatic tail, can automatically adjust the alignment of the windward direction.



Technical specifications and parameters

Model	FN1.7-200	FN1.9-300	FN2.1-500	FN2.1-1000
Rated output power(W)	200	300	500	1000
DC voltage of adaptive system(v)	DC24	DC24	DC24/48	DC24/48
Rated voltage(v)	AC28	AC28	AC28/56	AC28/56
Rotor diameter(m)	1.7	1.7	1.9	2.1
Start up wind speed(m/s)	2.5	2.5	2.5	2.5
Rated wind speed(m/s)	8	8	8	8
MAX safety speed wind(m/s)	40	40	40	40
Working wind speed(m/s)	5-20	5-20	5-20	5-20
Over speed protection	Blades lose speed, generator control/slope tail limitation			
Shell Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum
Number of blades	3/5	3/5	3/5	3/5
Material of blades	high-strength nylon composite			
Flange type	high strength aluminum alloy die casting			
Motor type	permanent magnet AC generator			
Package	carton + foam			

Wind Turbine Generator Series

FD series 300W-600W Standard wind turbine generator

Function Characteristics

- ★ Use of casing connections, high security.
- ★ Blades are made of high strength nylon composite materials, high strength, and high efficiency.
- ★ Use imported from NSK Bearings, high efficiency, wear, durable up to 20 years.
- ★ Use bubbles with high temperature line, the high temperature up to 180°C.
- ★ Use of Rare earth NdFeB permanent magnet, high efficiency and light weight.



Technical specifications and parameters

Model	FD1.5-300	FD1.5-400	FD1.7-500	FD1.7-600
Rated Power (w)	300	400	500	600
Rated voltage (v)	12/24	12/24	24/48	24/48
Rotor diameter (m)	1.5	1.5	1.7	1.7
Star-up wind speed (m/s)	2.5	2.5	2.5	2.5
Rated wind speed (m/s)	12	12	12	12
Yaw mode	Fixed wing	Fixed wing	Fixed wing	Fixed wing
Shell Material	Die-cast aluminum	Die -cast aluminum	Die -cast aluminum	Die -cast aluminum
Number of blades	3/5	3/5	3/5	3/5
Blade Material	High strength nylon composite		High strength nylon composite	
Package size (mm)	Rare earth permanent magnet AC generator		Rare earth permanent magnet AC generator	
Motor type	Carton +foam		Carton +foam	

Wind Turbine Generator Series

FD series 1KW-5KW Standard wind turbine generator



Function Characteristics

- ★Blades are made of high strength nylon composite materials, high strength.
- ★One-time die casting mold, the weight error is small, high efficiency.
- ★Use imported from Japan NSK Bearings, high efficiency, wear, durable up to 20 years.
- ★Use bubbles with high temperature line, the high temperature up to 180°C.
- ★Use of Rare earth NdFeB permanent magnet, high efficiency and light weight, low energy consumption, high output power.
- ★Unique tail design, automatic alignment direction of the wind, increase the output power.

Technical specifications and parameters

Model Type	FD2.7-1000	FD3.2-2000	FD3.8-3000	FD3.8-5000
Rated Power (w)	1000	2000	3000	5000
Rated voltage (v)	48	48/96	96/120	96/120/240
Rotor diameter (m)	2.7	3.2	3.8	3.8
Star-up wind speed (m/s)	2.5	2.5	2.5	3
Rated wind speed (m/s)	11	11	11	11
Yaw mode	Mechanical	Mechanical	Mechanical	Mechanical
Shell Material	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum	Die-cast aluminum or steel
Number of blades	3	3	3	3
Blade Material	High strength nylon composite			
Package size	Rare earth permanent magnet AC generator			
Motor type	Carton +foam			

Wind Turbine Generator Series

FC series 100w-300w Vertical wind turbine data and specifics



Technical specifications and parameters

Model	FC100W	FC200W	FC300W
Rated power (w)	100	200	300
Rated voltage (v)	12 or 24	12 or 24	12 or 24
Rotor diameter (m)	0.8	0.8	0.8
Rotor height (m)	0.6	0.6	0.6
Star-up wind speed (m/s)	1.5	1.5	1.5
Rated wind speed (m/s)	11	11	11
Safety wind speed (m/s)	45	45	45
Blades number	3	3	5
Blades material	High strength nylon composite		
Motor type	Rare earth permanent magnet AC generator		
Brake way	Electromagnetic brake		
Speed limit mode	Loss speed + Electromagnetic type		
Shell material	Die-cast aluminum		

Wind Turbine Generator Series

FH series 500w-10Kw Vertical wind turbine data and specifics



Technical specifications and parameters

Model	FH-500W	FH-1000W	FH-2000W	FH-3000W	FH-5000W	FH-10000W
Rated power (w)	500	1000	2000	3000	5000	10000
Rated voltage (v)	12 or 24	48	48	110 or 220	110 or 220	220 or 380
Rotor diameter (m)	1.4	2	2.2	3	4	6
rotor height (m)	1.6	2.4	2.6	3.6	3.7	6.6
Star-up wind speed (m/s)	2.2	2.2	2.2	3	3.2	3.8
Rated wind speed (m/s)	11	11	11	11	11	12
Safety wind speed (m/s)	50	50	50	50	50	50
Blades number	5	5	5	5	5	5
Blades material	Fiberglass					
Motor type	Rare earth permanent magnet AC generator					
Brake way	Electromagnetic brake					
Speed limit mode	Electromagnetic type					

Wind Turbine Generator Series

FX Vertical wind turbine

Function Characteristics

- ★The blades are vertical and require little installation space.
- ★Low wind speed for power generation, lower tower for installation is required, can be installed on the roof.
- ★Coreless generator, Horizontal rotation and aircraft wing design reduce the noise to an unperceivable level in natural environment.
- ★Many color for your choice.



Technical specifications and parameters

Model	FX3KW	FX5KW	FX10KW	FX15KW	FX20KW
Rated Power (kw)	3	5	10	15	20
Max power (kw)	3.1	5.05	11	16	21
Rated voltage (v)	48-220	96-220	96-220	96-380	96-380
Started wind speed (m/s)	2	2	2	2	2
Cut-in wind speed (m/s)	3	3	3	3	3
Rated Wind speed (m/s)	10	10	10	10	10
Rotor Diameter of Blades (m)	1.6	1.8	2.0	2.4	3.0
Blades height (m)	1.92	2.8	3.0	3.6	5.0
Blades colors	White	White	White	White	White
Safe wind speed (m/s)	≤40m/s				
Blades quantity	3				
Blade material	Glass Fiber				
Generator	Three Phase Permanent Magnet Generator Maglev generator				
Control System	Electromagnet				
Mount Height (m)	2~12m				
Generator protection grade	IP54				
Work environment temperature	-25~+45°C				
Work environment humidity	≤90%				
Altitude	≤4500m				
Over speed protection	Electromagnetic brake				
Overload protection	Electromagnetic brake and the unloading unit				