







# FLTXNY

## WIND & SOLAR ENERGY PRODUCTS AND SOLUTION

Our mainly products is vertical and horizontal complete wind turbine system from 100w to 500kw ,100w,200w,300w 380w,450w solar panel, wind and solar hybrid system for all kinds of projects, Energy storage system tike UPS for off grid projects.

We provide you with one-stop service of newenergy including wind turbine, controller,off-grd system, solar energy, energy storage and so on.

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## RENEWABLE ENERGY

We harness the earth's most abundant resources - the strength of the wind, the heat of the sun and the force of water - to power the world's biggest economies and the most remote communities. Combining onshore and offshore wind, blades, hydro, storage, utility-scale solar, and grid solutions as well as hybrid renewables and digital services offerings, "FLTXNY" has installed more than 500+ megawatt of clean renewable energy and equipped more than 90 percent of utilities worldwide with its grid solutions.



### On share Wind

Wind turbines with rated capacities from 500w to 500kw to suit variety of environment.



### Photovoltaic Power

Solar power rated at 100w-1000w for the toughest conditions.



### Grid Solutions

Bringing power reliably and efficiently from generation to and consumers.



### Hydro Power

The broadest range of solutions for hydropower generators from water to wire.



### Hybrid

Combining renewable energy and storage to address the challenge of the future.



### Services

A wide range of solutions to keep your renewable energy equipment running smoothly.

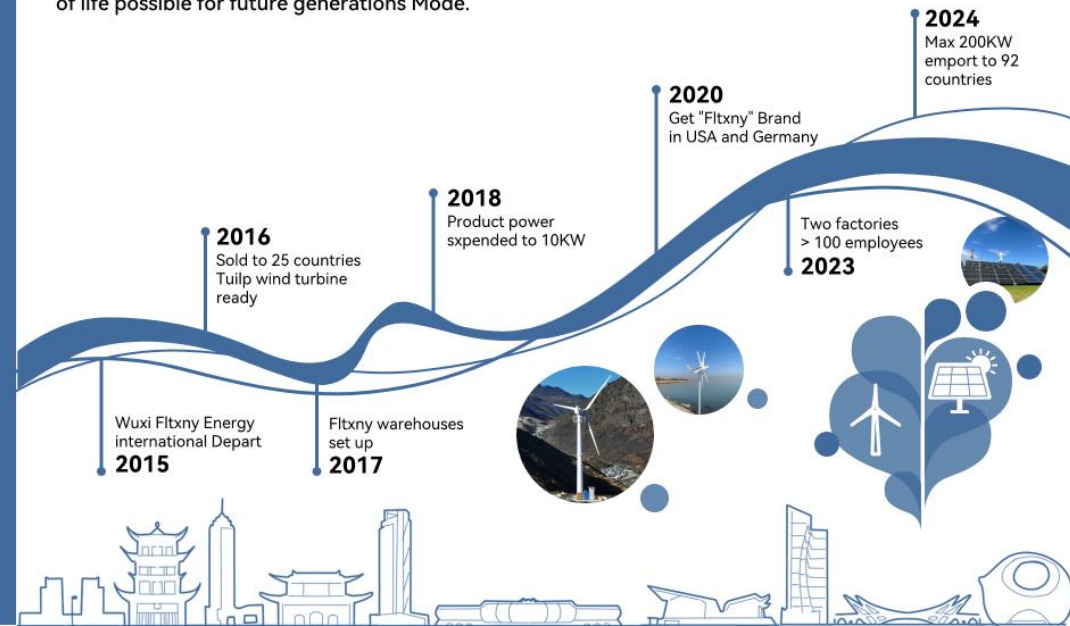
# INTRODUCTION COMPANY INFORMATION

Wuxi Fltxny New Energy Technology Co.,Ltd established in 2015, is headquartered in Wuxi, Jiangsu.

The company takes "FLTXNY" as its brand, develops and produces renewable energy products, and sells them at home and abroad.



Utilities, commercial and industrial, and personal households provide new energy product services or OEM, Flyt Power is a market-leading independent manufacturer of new energy equipment and an energy service provider. We are committed to providing the most economical, clean and socially responsible way of life possible for future generations.



# INTEGATED PRODUCT

VERTICAL AXIS WIND TURBINE  
HORIZONTAL AXIS WIND TURBINE



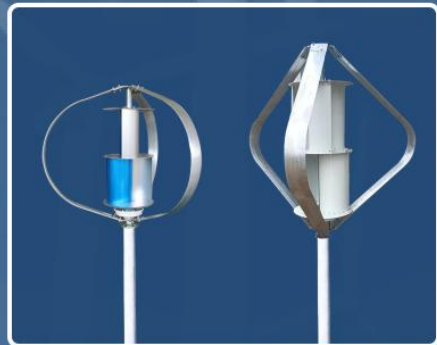
FX 600W-20KW(1-4Page)



FH 600W-200KW(5-10Page)



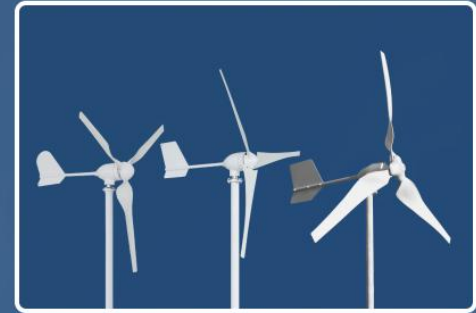
FS/FT 400W-10KW(11-14Page)



Q 600W-10KW(15-16Page)



SC/SZ/S 600W-1KW(17-18Page)



F4/F5 1KW-2KW(19-20Page)



FK 1KW-30KW(21-24Page)



FGK 5KW-500KW(25-28Page)

## Vertical/Parameter Table

MODEL	FX-600W	FX-1000W	FX-2000W
Rated Power	600W	1000W	2000W
Maximum Power	650W	1050W	2050W
Blade Length	1m	1.2m	1.4m
Rated Voltage	12V-48V	12v-48v	24v-96v
Start-up Wind Speed	1.3m/s	2m/s	2m/s
Rated Wind Speed	10m/s	10m/s	10m/s
Rotor Diameter of Blades	0.6m	0.8m	0.9m
Cut-in Wind Speed(m/s)	2.5m/s		
Blades Colors	White/Green/Red		
Safe Wind Speed(m/s)	≤40m/s		
Blades Quantity	3		
Blade Material	Nylon Material/Fiberglass		
Generator	Aluminum Alloy		
Control System	Electromagnet		
Mount Height(m)	2m-12m		
Generator Protection Grade	IP54		
Work Temperature	-40°C-80°C		
Overspeed Protection	Electromagnetic Brake		
Overload Protection	Electromagnetic Brake and the Unloading Unit		
Lubrication	Lubrication Grease		
Design Life	20 Years		

## FX Series

### GRACE

- Fashion appearance, quiet operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole world
- Coreless PMG with low rpm



Low Noise<30db



Low Start Wind Speed



High Efficiency



Automatic Steerm



-40°C-80°C



Waterproof Coating



## FX Series

### GRACE

- Fashion appearance, quiet operation
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### FLEXIBLE

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### ADVANCED

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- Environmental protecting for whole word
- Coreless PMG with low rpm



Low Noise<35db



Low Start Wind Speed



High Efficiency



Automatic Start



-40°C-80°C



Waterproof Coating

## Vertical/Parameter Table

MODEL	FX-3000W	FX-5000W	FX-10KW	FX-15KW	FX-20KW
Rated Power	3000W	5000W	10000W	15000W	20000W
Maximum Power	3100W	5100W	11000W	16000W	21000W
Blade Length	1.92m	2.8m	3m	3.6m	5m
Rated Voltage	48V-220V	96V-220V	96V-220V	96V-380V	96V-380V
Start-up Wind Speed	2m/s	2m/s	2m/s	2m/s	2m/s
Rated Wind Speed	10m/s	10m/s	10m/s	10m/s	10m/s
Rotor Diameter of Blades	1.6m	1.8m	2m	2.4m	3m
Cut-in Wind Speed(m/s)	3m/s	3m/s	3m/s	3m/s	3m/s
Blades Colors	White				
Safe Wind Speed(m/s)	≤40m/s				
Blades Quantity	3				
Blade Material	Glass Fiber				
Generator	Maglev Generator				
Control System	Electromagnet				
Mount Height	6m-20m				
Generator Protection Grade	IP54				
Work Temperature	-40°C-80°C				
Overspeed Protection	Electromagnetic Brake				
Overload Protection	Electromagnetic Brake and the Unloading Unit				
Lubrication	Lubrication Grease				
Design Life	20 Years				

## FH Series

### GRACE

- Fashion appearance, quiet operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole word
- Coreless PMG with low rpm



MODEL	FH-600W	FH-800W	FH-1000W
Rated Power	600W	800W	1000W
Maximum Power	650W	850W	1050W
Blade Length	1m	1.2m	1.3m
Rated Voltage	12V/24V	12V-48V	12V-48V
Start-up Wind Speed	1.3m/s	1.3m/s	1.3m/s
Rated Wind Speed	11m/s	11m/s	11m/s
Rotor Diameter of Blades	0.6m	0.8m	0.8m
Cut-in Wind Speed(m/s)	2.5m/s	2.5m/s	2.5m/s
Blades Colors	White		
Safe Wind Speed(m/s)	≤40m/s		
Blades Quantity	3		
Blade Material	Aluminium Alloy		
Generator	PMG Maglev Generator		
Control System	Electromagnet		
Mount Height(m)	2m-12m		
Generator Protection Grade	IP54		
Work Temperature	-40°C-80°C		
Overspeed Protection	Electromagnetic Brake		
Overload Protection	Electromagnetic Brake and the Unloading Unit		
Lubrication	Lubrication Grease		
Design Life	20 Years		



## FH Series

### GRACE

- Fashion appearance, quiet operation
- IP54 smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
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### RELIABLE

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- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protection for whole world
- Coreless PMG with low rpm



## Vertical/Parameter Table

MODEL	FH-2KW	FH-3KW	FH-5KW	FH-6KW	FH-10KW
Rated Power	2000W	3000W	5000W	6000W	10000W
Maximum Power	2100W	3200W	5300W	6400W	10500W
Blade Length	2m	2.8m	3.2m	3.6m	4m
Rated Voltage	48V-96V	96V-220V	96V-220V	96V-380V	96V-220V
Start-up Wind Speed	3m/s	3m/s	3m/s	3m/s	3m/s
Rated Wind Speed	11m/s	11m/s	11m/s	11m/s	11m/s
Rotor Diameter of Blades	1.6m	2m	2m	2.4m	2.6m
Gross Weight	112kg	187kg	219kg	260kg	310kg
Blades Colors	White/Multicolor				
Safe Wind Speed(m/s)	≤40m/s				
Blades Quantity	3				
Blade Material	Glass Fiber				
Generator	Maglev Generator				
Control System	Electromagnet				
Mount Height(m)	6m-20m				
Generator Protection Grade	IP54				
Work Temperature	-40°C-80°C				
Overspeed Protection	Electromagnetic Brake				
Overload Protection	Electromagnetic Brake and the Unloading Unit				
Lubrication	Lubrication Grease				
Design Life	20 years				

MODEL	FH-15KW	FH-20KW	FH-30KW	FH-50KW	FH-60KW
Rated power	15000W	20000W	30000W	50000W	60000W
Maximum Power	16000W	22000W	33000W	54000W	65000W
Blade Length	4.5m	6m	7m	8m	10m
Rated Voltage	220V-380V	220V-380V	380V	380V	380V
Start-up Wind Speed	4m/s	4m/s	4m/s	4m/s	4m/s
Rated Wind Speed	12m/s	12m/s	12m/s	12m/s	12m/s
Rotor Diameter of Blades	3m	4m	5m	6m	8m
Gross Weight	420kg	680kg	750kg	920kg	1320kg
Blades Colors	White/Multicolor				
Safe Wind Speed(m/s)	≤40m/s				
Blades Quantity	3	5			
Blade Material	Glass Fiber				
Generator	Maglev Generator				
Control System	Electromagnet				
Mount Height(m)	6m-20m				
Generator Protection Grade	IP54				
Work Temperature	-40°C-80°C				
Overspeed Protection	Electromagnetic Brake				
Overload Protection	Electromagnetic Brake and the Unloading Unit				
Lubrication	Lubrication Grease				
Design Life	20 Years				

## FH Series

### GRACE

- Fashion appearance, quite operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole world
- Coreless PMG with low rpm



Low Noise<100db



Low Start Wind Speed



High Efficiency



Automatic Steam



-40°C-80°C



Waterproof Coating



## Tulip Series

### GRACE

- Fashion appearance, quiet operation
- IP 54 strength curve fiberglass blades
- Multi color for options

### FLEXIBLE

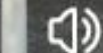
- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole world
- Coreless PMG with low rpm



Low Noise<30db



Low Start Wind Speed



High Efficiency



Automatic Steerm



-40°C~80°C



Waterproof Coating

### Vertical/Parameter Tale

MODEL	Tulip-600W	Tulip-1000W	Tulip-2000W	Tulip-3000W
Rated Power	600W	1000W	2000W	3000W
Maximum Power	650W	1050W	2100W	3200W
Blade Length	1.1m	1.7m	2m	2m
Rated Voltage	12V-24V	24V-48V	24V-96V	24V-96V
Start-up Wind Speed	2m/s	2m/s	2m/s	2m/s
Ratde Wind Speed	12m/s	12m/s	12m/s	12m/s
Cut-in Wind speed	3.5m/s	3.5m/s	3.5m/s	3.5m/s
Wind Wheel Diameter	0.48m	1m	1.2m	???
Survival Wind Speed	36m/s	36m/s	36m/s	36m/s
Blades Colors	White/Blue/Purple/Customized			
Safe Wind Speed(m/s)	≤40m/s			
Blades Quantity	3			
Blade Material	Glass Fiber			
Generator	Magiev Generator			
Control System	Electromagnet			
Mount Height(m)	3m-8m			
Generator Protection Grade	IP54			
Work Temperature	-25°C~45°C			
Overspeed Protection	Electromagnetic Brake			
Overload Protection	Electromagnetic Brake and the Unloading Unit			
Work Environment Humidity	≤90%			
Altitude	≤4500m(rated altitude:1000m)			



## FS Series

### GRACE

- Fashion appearance, quiet operation
- IP54 smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency at low wind speed with 3m/s
- Suitable for all applications
- Long life span 16-20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy production
- Environmental protecting for whole world
- Coreless PMG with low rpm



Low Noise-30db



Low Start Wind Speed



High Efficiency



Automatic Steerm



-40°C-80°C



Waterproof Coating

## Vertical/Parameter Table

MODEL	FS-400W	FS-800W	FS-1000W
Rated Power	400W	800W	1000W
Maximum Power	450W	850W	1100W
Blade Length	1.05m	1.3m	1.5m
Rated Voltage	12V-24V	12V-48V	24V-96V
Start-up Wind Speed	1.3m/s	1.3m/s	1.3m/s
Rated Wind Speed	11m/s	11m/s	11m/s
Wheel diameter	1.05m	1.3m	1.5m
Blades Colors	White/Green/Orange/Black		
Safe Wind Speed(m/s)	≤40m/s		
Blades Quantity	2		
Blade Material	Aluminium Alloy		
Generator	Magive Generator		
Control System	Electromagnet		
Mount Height(m)	7m-12m(9m)		
Generator Protection Grade	IP54		
Work Temperature	-25°C-45°C		
Altitude	≤4500m		
Overspeed Protection	Electromagnetic Brake		
Overload Protection	Electromagnetic brake and the Unloading Unit		
Lubrication	Lubrication Grease		
Design Life	20 Years		



## FS Series

### GRACE

- Fashion appearance, quiet operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole world
- Coreless PMG with low rpm



## Vertical/Parameter Table

MODEL	FS-2000W	FS-3000W	FS-5000W
Rated Power	2000W	3000W	5000W
Maximum Power	2200W	3200W	5100W
Blade Length	2m	3.5m	4m
Rated Voltage	24V-96V	48V-220V	48V-220V
Start-up Wind Speed	1.3m/s	1.3m/s	1.3m/s
Rated Wind Speed	11m/s	11m/s	11m/s
Wheel diameter	2m	3.5m	4m
Blades Colors	White/Green/Orange/Black		
Safe Wind Speed(m/s)	≤40m/s		
Blades Quantity	2		
Blade Material	Aluminium Alloy		
Generator	Magive Generator		
Control System	Electromagnet		
Mount Height(m)	7m-12m(9m)		
Generator Protection Grade	IP54		
Work Temperature	-25°C-45°C		
Altitude	≤4500m		
Overspeed Protection	Electromagnetic Brake		
Overload Protection	Electromagnetic brake and the Unloading Unit		
Lubrication	Lubrication Grease		
Design Life	20 Years		



## Q Series

### GRACE

- Fashion appearance, quite operation
- IP54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole world
- Coreless PMSM with low noise



Low Noise, Stable, Low Start Wind Speed, High Efficiency

Automatic Steer 0°C-80°C

Waterproof Coating

## Vertical/Parameter Table

MODEL	Q-600W	Q-2000W	Q-3000W	Q-5000W
Rated Power	600W	2000W	3000W	5000W
Maximum Power	650W	2100W	3200W	5500W
Blade Length	0.9m	2m	2.5m	3.28m
Rated Voltage	12V-24V	48V-96V	48V-96V	96V-220V
Start-up Wind Speed	3m/s	3m/s	3m/s	3m/s
Rated Wind Speed	11m/s	11m/s	11m/s	11m/s
Wind Wheel Diameter	1m	2.3m	2.5m	3m
Gross Weight	21kg	160kg	300kg	500kg
Blades Colors	Red+Blue+Silver/Customized			
Safe Wind Speed(m/s)	≤40m/s			
Blades Quantity	3			
Blade Material	Aluminum Alloy			
Generator	Maglev Generator			
Control System	Electromagnet			
Mount Height(m)	2m-18m			
Generator Protection Grade	IP54			
Work Temperature	-40°C-80°C			
Overspeed Protection	Electromagnetic Brake			
Overload Protection	Electromagnetic Brake and the Unloading Unit			
Lubrication	Lubrication Grease			
Design Life	20 years			

## Horizontal/Parameter Table

MODEL	SC/SZ/S-600W	SC/SZ/S-800W	SC/SZ/S-1000W
Rated Power	600W	1500W	2000W
Maximum Power	650W	1600W	2200W
Blade Length	580mm	580mm	580mm
Rated Voltage	12V-24V	12V-24V	12V-24V
Start-up Wind Speed	2m/s	2m/s	2m/s
Rated Wind Speed	13m/s	13m/s	13m/s
Blades Quantity	SC 3/SZ 3/S 5	SC 5/SZ 5/S 6	SC 6/SZ 6/S 8
Gross Weight	8.5kg	9.5kg	9.5kg
Blades Colors	White		
Safe Wind Speed(m/s)	≤40m/s		
Blade Material	Nylon Fiber		
Generator	Three Phase Permanent Magnet AC Synchronous Generator		
Control System	Electromagnet		
Mount Height(m)	2m-12m		
Generator Protection Grade	IP54		
Work Temperature	-40°C-80°C		
Overspeed Protection	Electromagnetic Brake		
Overload Protection	Electromagnetic brake and the Unloading Unit		
Lubrication	Lubrication Grease		
Design Life	20 Years		

## SC/SZ/S Series

### GRACE

- Fashion appearance, quiet operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole world
- Coreless PMG with low rpm



## F4/F5 Series

### GRACE

- Fashion appearance, quiet operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency at low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy production
- Environmental protecting for whole world
- Coreless PMS with low rpm



Low Noise <math>30\text{db}</math>



Low Start Wind Speed



High Efficiency



Automatic Stop



$-40^{\circ}\text{C}$ ~ $80^{\circ}\text{C}$



Waterproof Coating

MODEL	F4-1000W	F4-1500W	F5-2000W
Rated Power	1000W	1500W	2000W
Maximum Power	650W	1600W	2200W
Blade Length	0.85m	0.95m	1.05m
Rated Voltage	12V-24V	24V-96V	24V-96V
Start-up Wind Speed	4m/s	4m/s	4m/s
Rated Wind Speed	12m/s	12m/s	12m/s
Wheel Diameter	1.7m	2m	2.1m
Gross Weight	2.5m/s	2.5m/s	2.5m/s
Blades Colors	White		
Safe Wind Speed(m/s)	≤40m/s		
Blades Quantity	3		
Blade Material	Nylon Fiber		
Generator	Three Phase Permanent Magnet AC Synchronous Generator		
Control System	Electromagnet		
Mount Height(m)	2m-12m		
Generator Protection Grade	IP54		
Work Temperature	$-40^{\circ}\text{C}$ ~ $80^{\circ}\text{C}$		
Overspeed Protection	Electromagnetic Brake		
Overload Protection	Electromagnetic Brake and the Unloading Unit		
Lubrication	Lubrication Grease		
Design Life	20 Years		



## FK Series

### GRACE

- Fashion appearance, quiet operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole world
- Coreless PMG with low rpm



## Horizontal/Parameter Table

MODEL	FK-2KW	FK-3KW	FK-4KW	FK-5KW	FK-8KW	FK-10KW	FK-20KW	FK-30KW
Rated Power	2000W	3000W	4000W	5000W	8000W	10000W	20000W	30000W
Maximum Power	2200W	3100W	4200W	5800W	9000W	11000W	21000W	32000W
Blade Length	1.4m	1.6m	1.95m	2.35m	2.6m	2.78m	3.8m	4.5m
Wind Wheel Diameter	2.8m	3.2m	3.9m	4.8m	5.3m	5.6m	7.7m	9.1m
Start-up Wind Speed	3m/s	3m/s	4m/s	4m/s	4m/s	4m/s	4m/s	4m/s
Rated Wind Speed	10m/s	10m/s	12m/s	12m/s	15m/s	15m/s	15m/s	15m/s
Rated Voltage	48V-96V	48V-220V	96V-380V	96V-380V	96V-380V	220V-600V	220V-600V	220V-600V
Gross Weight	60kg	66kg	95kg	166kg	310kg	360kg	420kg	600kg
Blades Colors	white							
Safe Wind Speed(m/s)	≤40m/s							
Blades Quantity	3							
Blade Material	Fiber Glass							
Generator	Three Phase Permant Magent AC Synchronous Generator							
Control System	Electromagnet							
Mount Height(m)	6m-18m							
Generator Protection Grade	IP54							
Work Temperature	-40°C-80°C							
Overspeed Protection	Electromagnetic Brake							
Overload Protection	Electromagnetic Brake and the Unloading Unit							
Lubrication	Lubrication Grease							
Desigh Life	20 Years							



## FK Series

### GRACE

- Fashion appearance, quiet operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole word
- Coreless PMG with low rpm



Low Noise<30db



Low Start Wind Speed



High Efficiency



Automatic Steering



-40°C~80°C



Waterproof Coating

## Horizontal/Parameter Table

MODEL	FK-40KW	FK-50KW
Rated Power	40000W	50000W
Maximum Power	42000W	52000W
Blade Length	1.95m	2.78m
Wind Wheel Diameter	9.9m	11.9m
Start-up Wind Speed	4m/s	4m/s
Rated Wind Speed	12m/s	12m/s
Rated Voltage	220V-6000V	220V-600V
Gross Weight	1270kg	2160kg
Blades Colors	White	
Safe Wind Speed(m/s)	≤40m/s	
Blades Quantity	3	
Blade Material	Fiber Glass	
Generator	Three Phase Permanent Magnet AC Synchronous Generator	
Control System	Electromagnet	
Mount Height(m)	15m-25m	
Generator Protection Grade	IP54	
Work Temperature	-40°C-80°C	
Overspeed Protection	Electromagnetic Brake	
Overload Protection	Electromagnetic Brake and the Unloading Unit	
Lubrication	Lubrication Grease	
Design Life	20 Years	

## Horizontal/Parameter Table

MODEL	FGK-40KW	FGK-50KW	FGK-60KW	FGK-80KW	FGK-100KW
Rated Power	40KW	50KW	60KW	80KW	10000W
Maximum Power	42KW	53KW	65KW	86KW	10500W
Wheel Diameter	9.9m	11.9m	15.5m	17.6m	18.6m
Rated Voltage	220V-600V	220V-600V	220V-600V	220V-600V	220V-600V
Start-up Wind Speed	4m/s	4m/s	4m/s	4m/s	4m/s
Rated Wind Speed	12m/s	12m/s	12m/s	12m/s	12m/s
Safe Wind Speed(m/s)	50m/s	50m/s	50m/s	50m/s	50m/s
Gross Weight	1270kg	2160kg	2950kg	3900kg	4300kg
Blades Quantity	3				
Generator Type	Three Phase Permanent Magnet AC Synchronous Generator				
Generator Case	Casting Aluminum Alloy				
Blade Material	Glass Fiber				
Control System	Electromagnet				
Overspeed Protection	Electromagnet Brake				
Work Temperature	-40°C-80°C				
Overload Protection	IP54				
Lubrication	Lubrication Grease				
Design Life	20 Years				

## FGK Series

### GRACE

- Fashion appearance, quiet operation
- IP 54, smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
- Workable to do hybrid with solar panel

### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
- Long lifespan to 20 years and good quality ensure
- CE certified with ISO

### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole word
- Coreless PMG with low rpm



Low Noise<30db



Low Start Wind Speed



High Efficiency



Automatic Steering



-40°C-80°C



Waterproof Coating

## Horizontal/Parameter Table

MODEL	FGK-200KW	FGK-300KW	FGK-500KW
Rated Power	200KW	300KW	500KW
Maximum Power	220KW	350KW	580KW
Wheel Diameter	21.6m	28m	45.5m
Rated Voltage	220V-600V	220V-600V	220V-600V
Start-up Wind Speed	4m/s	4m/s	4m/s
Rated Wind Speed	12m/s	12m/s	12m/s
Safe Wind Speed(m/s)	50m/s	50m/s	50m/s
Gross Weight	4900kg	6000kg	7200kg
Blades Quantity	3		
Generator Type	Three Phase Permanent Magnet AC Synchronous Generator		
Generator Case	Casting Aluminum Alloy		
Blade Material	Glass Fiber		
Control System	Electromagnet		
Overspeed Protection	Electromagnetic Brake		
Work Temperature	-40°C~80°C		
Overload Protection	Electromagnetic Brake and the Unloading Unit		
Lubrication	Lubrication Grease		
Design Life	20 Years		

## FGK Series

### GRACE

- Fashion appearance, quiet operation
- IP 54 smooth curve fiberglass blades
- Multi color for options

### FLEXIBLE

- Wind power and voltage range
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### RELIABLE

- High efficiency on low wind speed with 3m/s
- Suitable for all applications
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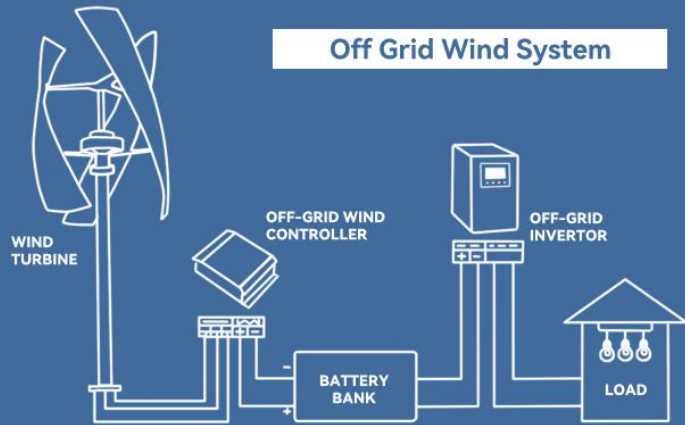
### ADVANCED

- Sustainable energy producing
- Environmental protecting for whole word
- Coreless PMG with low rpm

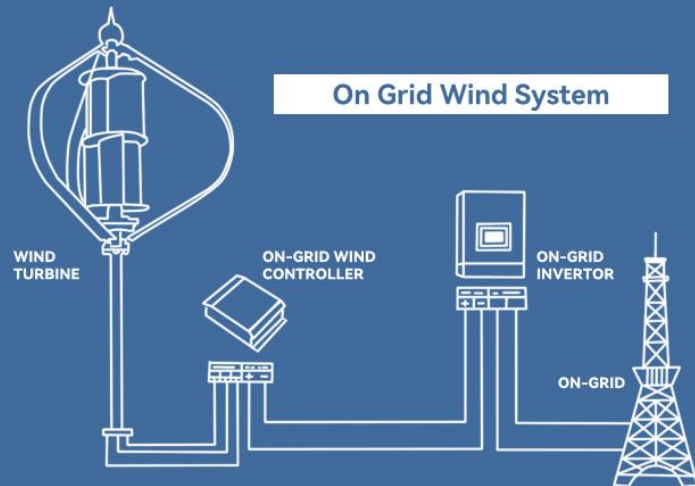


# WIND SYSTEM

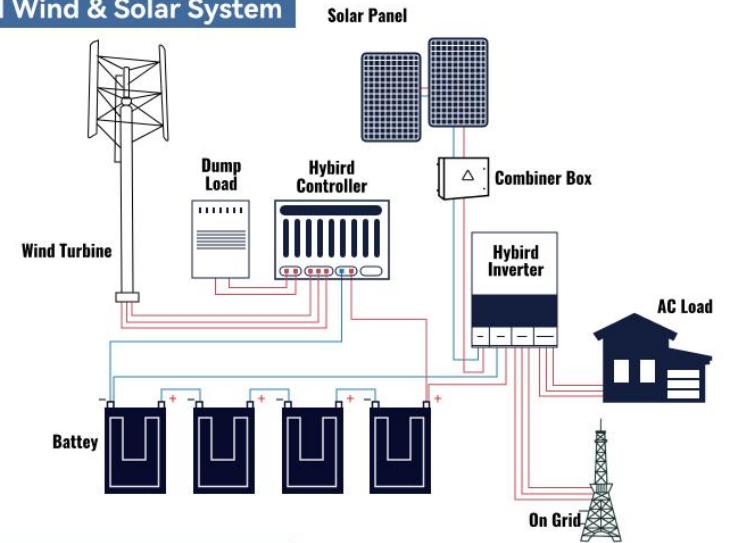
Off Grid Wind System



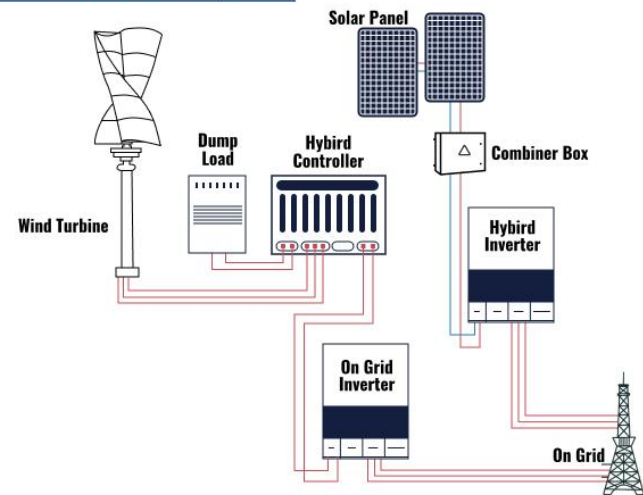
On Grid Wind System



Hybird Wind & Solar System

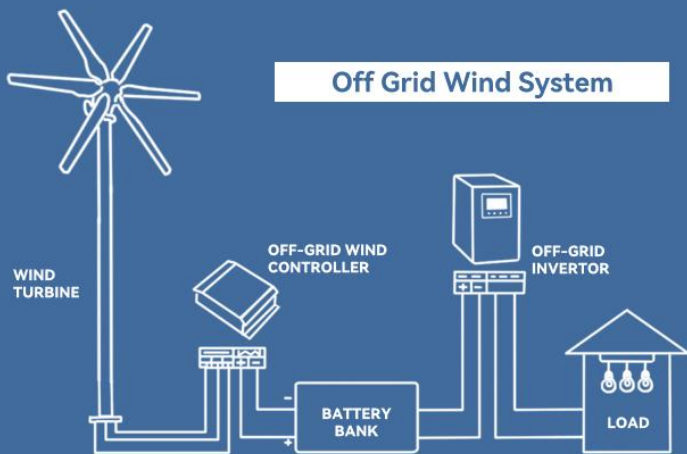


On Grid Wind & Solar System

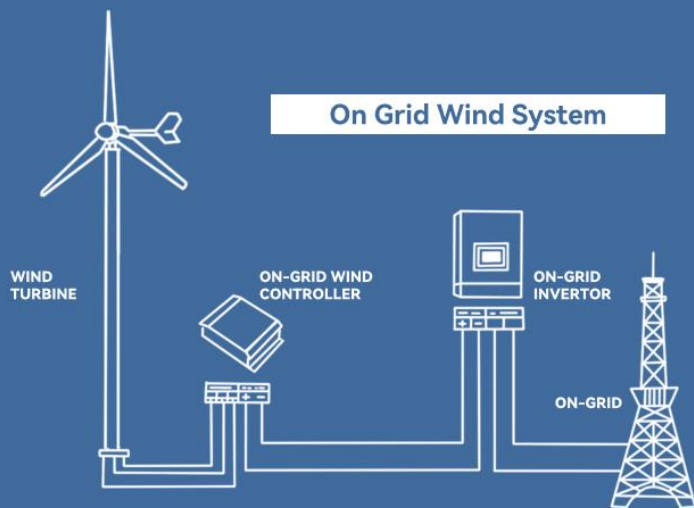


# WIND SYSTEM

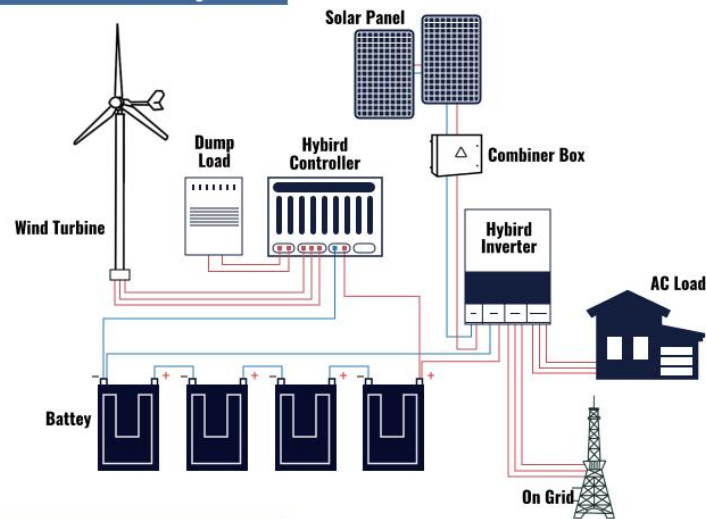
### Off Grid Wind System



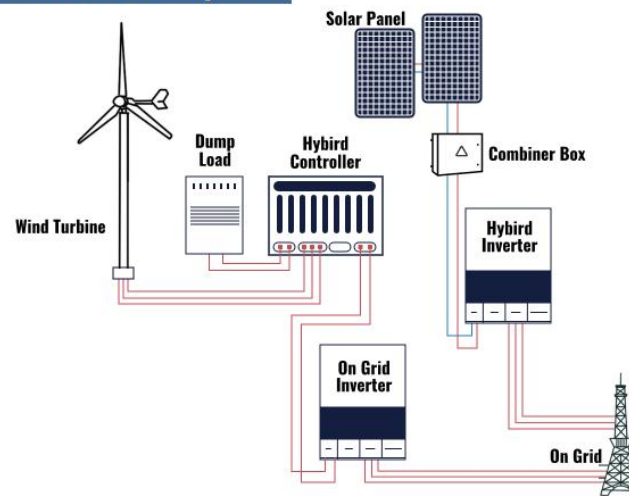
### On Grid Wind System



### Hybrid Wind & Solar System



### On Grid Wind & Solar System







# INTEGRATED PRODUCT

GENERATOR CONTROLLER INVERTER  
SOLAR PANLE ENERGY STORAGE



Controller  
(39-54 Page)



Generator  
(55-56 Page)



Inverter  
(57-58 Page)

Green

# NEW ENERGY LIFE

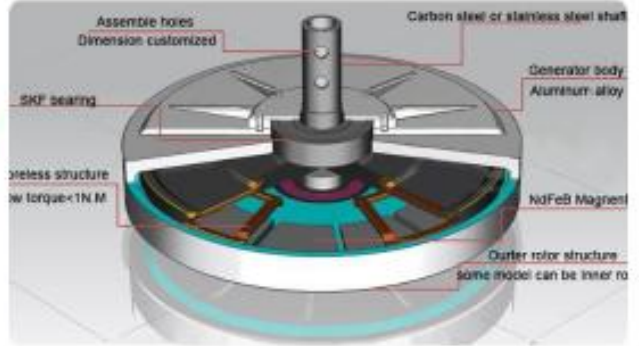
Clean



Sustainable

## ADVANTAGES

The company's new energy products also include motor products, wind turbines and other ancillary products of photovoltaic power generation, such as controllers, inverters, solar panels, energy storage products, etc. These are used with the whole system, you can choose to match, off-grid system, grid-connected system and so on.





## Maglev Series

### FLEXIBLE

- Low speed direct driving, no torque fluctuations
- The brushless structure, free maintenance.

### RELIABLE

- No iron loss, have high efficiency
- Adopt the rare earth permanent magnet, which is multipole, meangap, high power density and high output power
- Adopt unique coreless precision winding technology design precision coil

### ADVANCED

- Coreless, an hysteresis, slotless, have low starting torque
- Simple structure, easy to install
- No iron loss, low calorific value, small temperature rise



Low Noise<30db



Low Speed Start



High Efficiency



Automatic Steerm



-40°C~80°C



Waterproof Coating

### Vertical/Parameter Tale

MODEL	300W	600W	800W	1000W
Rated Power	300W	600W	800W	1000W
Rated speed	500rpm	600rpm	600rpm	500rpm
Rated voltage	12v/24v AC	12v/24v/48v AC	12v/24v/48v DC	24v/48v DC
Rated Current	1.8A	2.3A	8.1A/4.1A	8.1A/4.1A
Efficiency	>70%	>70%	>75%	>75%
Resistance (Line-Line)	-	-	-	-
Start torque	<0.1	<0.1	<0.1	<0.1
Gen. Diameter	162mm	196mm	230mm	260mm
Gen. Length	169mm	169mm	169mm	169mm
Gen. Weight	3.8kg	5.8kg	9kg	11kg
Shaft. Diameter	25mm	25mm	30mm	30mm
Winding type	Y			
Insulation Resistance	100Mohm Min(500VDC)			
Leakage level	<5ma			
Phase	Three Phase			
Structure	Outer Rotor			
Stator	Coreless			
Rotor	Permanent Magnet Generator(Outer Rotor)			
Housing Material	Aluminum(Alloy)			
Shaft Material	Stainless Steel			



## Maglev Series

### FLEXIBLE

- Low speed direct driving, no torque fluctuations
- The brushless structure, free maintenance

### RELIABLE

- No iron loss, have high efficiency
- Adopt the rare earth permanent magnet, which is multiple, mean gap, high power density and high output power
- Adopt unique coreless precision winding technology design precision coil

### ADVANCED

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- No iron loss, low calorific value, small temperature rise



Low Noise<30db



Low Speed Start



High Efficiency



Automatic Steerm



-40°C~80°C



Waterproof Coating

### Vertical/Parameter Tale

MODEL	2000W	3000W	4000W	5000W	7000W
Rated Power	2000W	3000W	4000W	5000W	1000W
Rated speed	500rpm	300rpm	300rpm	500rpm	500rpm
Rated voltage	24v/48v/96v	48v/96v/220 DC	48v/96v/220 DC	96v/220v/380v	96v/220v/380v
Rated Current	18A/9A	17.9A	?	20.8A/9A/95.2A	20.8A/9A/95.2A
Efficiency	>85%	>85%	>85%	>85%	>85%
Resistance (Line-Line)	<1.60Ω	<15.2Ω	-	-	-
Start torque	<0.1	<0.3	<0.3	<0.3	<0.3
Gen. Diameter	320mm	380mm	400mm	450mm	550mm
Gen. Length	232mm	241mm	250mm	258mm	330mm
Gen. Weight	18kg	32kg	40kg	51kg	65kg
Shaft. Diameter	45mm	50mm	55mm	59mm	78mm
Winding type	Y				
Insulation Resistance	100Mohm Min(500V DC)				
Leakage level	<5 ma				
Phase	Three Phase				
Structure	Outer Rotor				
Stator	Coreless				
Rotor	ElectromagnPermenent Magnet Generator(Outer Rotor)etic Brake				
Housing Material	Aluminum(Alloy)				
Shaft Material	Stainless Steel				



## Maglev Series

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Low Speed Start



High Efficiency



Automatic Steerm



-40°C~80°C



Waterproof Coating

### Vertical/Parameter Tale

MODEL	10KW	15KW	20KW	30KW
Rated Power	10000W	15000W	20000W	30000W
Rated speed	300rpm	200rpm	150rpm	90rpm
Rated voltage	96V/220V/380V	96V/220V/380V	96V/220V/380V	220V/380V
Rated Current	20.8A/9A/5.2A	7.6A	7.6A	23A
Efficiency	>85%	>85%	>85%	>90%
Resistance (Line-Line)	-	-	-	2.7
Start torque	<0.3	<0.5	<0.5	<1.0
Gen. Diameter	620mm	710mm	770mm	860mm
Gen. Length	410mm	488mm	590mm	590mm
Gen. Weight	120kg	135kg	205kg	420kg
Shaft. Diameter	80mm	118mm	85mm	100mm
Winding type	Y			
Insulation Resistance	100Mohm Min(500VDC)			1Min/1500VDC
Leakage level	<5ma			<20ma
Phase	Three Phase			
Structure	Outer Rotor			
Stator	Coreless			
Rotor	Permanent Magnet Generator(Outer Rotor)			
Housing Material	Aluminum(Alloy)			
Shaft Material	Stainless Steel			









## Wind/Controller



300W~3KW



300W~600W



300W~2KW



1KW~15KW



5KW~50KW

## Solar/Controller



300W~3KW



300W~600W



300W~2KW



300W~2KW

## Hybrid/Controller



300W~3KW



300W~2KW



600W~3KW



300W~2KW



1KW~10KW



**On-Grid / inverter**



300W~3KW    2KW~15KW    300W~2KW    300W~2KW    300W~2KW

**Off-Grid / inverter**



300W~3KW    150W~7KW    300W~2KW    1KW~5KW    1KW~5KW

**More Products**



300W~3KW    300W~600W    300W~2KW    1KW~10KW    2KW~10KW



