

PROFESSIONAL QUALITY

GOOD SERVICE

Company qualification



ISO14001 Chinese



ISO14001 English



ISO9001 Chinese



ISO9001 English



CE



computer software copyright certificates



patent certificates



## A-type

### Features

- **Safety:** The main stress points of the blade are concentrated on the hub, so the problems of blade falling off, fracture and blade flying out have been better solved.
- **Radius of gyration:** Due to its different design structure and operation principle, it has a smaller radius of gyration than other forms of wind turbines, saving space and improving efficiency.
- **Generation curve characteristics:** The start-up wind speed is lower than that of other types of wind turbines, and the rise of power generation is relatively gentle. Therefore, within the wind speed range of 5 ~ 8m, its power generation is 10% ~ 30% higher than that of other types of wind turbines.
- **Braking device:** The blade itself has speed protection, and can be equipped with mechanical manual brake and electronic automatic brake. In areas without typhoon and super gust, only manual brake needs to be set.
- **The casing is made of alloy aluminum,** with small volume, light weight, beautiful appearance and low running vibration.
- **Flange installation,** good strength, convenient installation and maintenance.
- **The blade is made of nylon fiber,** equipped with optimized aerodynamic shape design and structural design, with start-up wind speed and high wind energy utilization coefficient, which increases the annual power generation.
- **The tail rudder adopts automatic windward design and straight tail type,** with strong typhoon resistance and safe and reliable operation.
- **The generator uses the patented Nd-Fe-B permanent magnet rotor alternator.** The special stator and rotor design can effectively reduce the resistance torque of the generator. At the same time, the wind turbine has better matching characteristics with the generator and the reliability of unit operation.
- **The maximum power tracking intelligent controller can be selected to effectively adjust the current and voltage.**



### Catalogue

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### Technical Parameter

Model	XTL-A-100W	XTL-A-200W	XTL-A-300W	XTL-A-400W
Rated power	100W	200W	300W	400W
Maximum power	150W	250W	350W	450W
Rated voltage	12V/24V	12V/24V	12V/24V	24V
Start-up wind speed	2.0m/s	2.0m/s	2.0m/s	2.0m/s
Rated wind speed	13m/s	13m/s	13m/s	13m/s
Survival wind speed	35m/s	35m/s	35m/s	35m/s
Number of blades	3/5 pieces			
Blade material	nylon fiber			
Body material	aluminium alloy			
Generator	three phase AC permanent magnet generator/maglev generator			
Control system	electromagnetic brake			
Yaw mode	automatic windward angle			
Lubrication mode	self lubrication			
Tower form	guyed tower/independent tower			
Working temperature	-40°C-80°C			

# A-type

## Product Display



XTL-A1



XTL-A2



XTL-A3



XTL-A4

# B-type

## Features

- **Safety:** The main stress points of the blade are concentrated on the hub, so the problems of blade falling off, fracture and blade flying out have been better solved.
- **Radius of gyration:** Due to its different design structure and operation principle, it has a smaller radius of gyration than other forms of wind turbines, saving space and improving efficiency.
- **Generation curve characteristics:** The start-up wind speed is lower than that of other types of wind turbines, and the rise of power generation is relatively gentle. Therefore, within the wind speed range of 5 ~ 8m, its power generation is 10% ~ 30% higher than that of other types of wind turbines.
- **Braking device:** The blade itself has speed protection, and can be equipped with mechanical manual brake and electronic automatic brake. In areas without typhoon and super gust, only manual brake needs to be set.
- **The casing is made of A3 steel,** with small volume, light weight, beautiful appearance and low running vibration.
- **Flange installation,** good strength, convenient installation and maintenance.
- **The blade is made of reinforced FRP,** equipped with optimized aerodynamic shape design and structural design, with start-up wind speed and high wind energy utilization coefficient, which increases the annual power generation.
- **The tail rudder adopts automatic windward design and straight tail type,** with strong typhoon resistance and safe and reliable operation.
- **The generator uses the patented Nd-Fe-B permanent magnet rotor alternator.** The special stator and rotor design can effectively reduce the resistance torque of the generator. At the same time, the wind turbine has better matching characteristics with the generator and the reliability of unit operation.
- **The maximum power tracking intelligent controller can be selected to effectively adjust the current and voltage.**



## Technical Parameter

Model	XTL-B-500W	XTL-B-600W	XTL-B-700W	XTL-B-800W	XTL-B-900W	XTL-B-1KW
Rated power	500W	600W	700W	800W	900W	1KW
Maximum power	550W	650W	730W	820W	1000W	1.2KW
Rated voltage	12V/24V	24V/48V	24V/48V	24V/48V	24V/48V	48V
Start-up wind speed	2.0m/s	2.0m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s
Number of blades	3 pieces					
Blade material	nylon fiber					
Body material	aluminium alloy					
Generator	three phase AC permanent magnet generator					
Control system	electromagnetic brake					
Yaw mode	automatic windward angle					
Lubrication mode	self lubrication					
Tower form	guyed tower/independent tower					
Working temperature	-40°C-80°C					

# B-type

## Product Display



XTL-B1



XTL-B1



XTL-B2



XTL-B3

# ML-type

## Features

- **Safety:** The main stress points of the blade are concentrated on the hub, so the problems of blade falling off, fracture and blade flying out have been better solved.
- **Radius of gyration:** Due to its different design structure and operation principle, it has a smaller radius of gyration than other forms of wind turbines, saving space and improving efficiency.
- **Generation curve characteristics:** The start-up wind speed is lower than that of other types of wind turbines, and the rise of power generation is relatively gentle. Therefore, within the wind speed range of 5 ~ 8m, its power generation is 10% ~ 30% higher than that of other types of wind turbines.
- **Braking device:** The blade itself has speed protection, and can be equipped with mechanical manual brake and electronic automatic brake. In areas without typhoon and super gust, only manual brake needs to be set.
- **The casing is made of A3 steel, with small volume, light weight, beautiful appearance and low running vibration.**
- **Flange installation, good strength, convenient installation and maintenance.**
- **The blade is made of reinforced FRP, equipped with optimized aerodynamic shape design and structural design, with start-up wind speed and high wind energy utilization coefficient, which increases the annual power generation.**
- **The tail rudder adopts automatic windward design and straight tail type, with strong typhoon resistance and safe and reliable operation.**
- **The generator uses the patented Nd-Fe-B permanent magnet rotor alternator. The special stator and rotor design can effectively reduce the resistance torque of the generator. At the same time, the wind turbine has better matching characteristics with the generator and the reliability of unit operation.**
- **The maximum power tracking intelligent controller can be selected to effectively adjust the current and voltage.**



## Technical Parameter

Model	XTL-ML-1KW	XTL-ML-2KW	XTL-ML-3KW
Rated power	1KW	2KW	3KW
Maximum power	1.5KW	2.5KW	4KW
Rated voltage	24V/48V	48V/96V	48V/96V
Start-up wind speed	3m/s	3m/s	3m/s
Rated wind speed	12m/s	12m/s	12m/s
Survival wind speed	45m/s	45m/s	45m/s
Number of blades	3 pieces		
Blade material	reinforced FRP		
Body material	high quality alloy steel		
Generator	three phase AC permanent magnet generator		
Control system	electromagnetic brake		
Yaw mode	automatic upwind regulation		
Lubrication mode	self lubrication		
Tower form	independent tower		
Working temperature	-40°C~80°C		



## DL-type

## Features

- Safety: The main stress points of the blade are concentrated on the hub, so the problems of blade falling off, fracture and blade flying out have been better solved.
- Radius of gyration: Due to its different design structure and operation principle, it has a smaller radius of gyration than other forms of wind turbines, saving space and improving efficiency.
- Generation curve characteristics: The start-up wind speed is lower than that of other types of wind turbines, and the rise of power generation is relatively gentle. Therefore, within the wind speed range of 5 ~ 8m, its power generation is 10% ~ 30% higher than that of other types of wind turbines.
- Braking device: The blade itself has speed protection, and can be equipped with mechanical manual brake and electronic automatic brake. In areas without typhoon and super gust, only manual brake needs to be set.
- The casing is made of A3 steel, with small volume, light weight, beautiful appearance and low running vibration.
- Flange installation, good strength, convenient installation and maintenance.
- The blade is made of reinforced FRP, equipped with optimized aerodynamic shape design and structural design, with start-up wind speed and high wind energy utilization coefficient, which increases the annual power generation.
- The tail rudder adopts automatic windward design and straight tail type, with strong typhoon resistance and safe and reliable operation.
- The generator uses the patented Nd-Fe-B permanent magnet rotor alternator. The special stator and rotor design can effectively reduce the resistance torque of the generator. At the same time, the wind turbine has better matching characteristics with the generator and the reliability of unit operation.
- The maximum power tracking intelligent controller can be selected to effectively adjust the current and voltage.



## Technical Parameter

Model	XTL-DL-1KW	XTL-DL-2KW	XTL-DL-3KW	XTL-DL-5KW	XTL-DL-10KW
Rated power	1KW	2KW	3KW	5KW	10KW
Maximum power	1.5KW	2.5KW	4KW	7KW	13KW
Rated voltage	24V48V	48V/96V	48V96V	120V/220V/360V	220V/360V
Start-up wind speed	3m/s	3m/s	3m/s	3m/s	3m/s
Rated wind speed	12m/s	12m/s	12m/s	10m/s	10m/s
Survival wind speed	35m/s	35m/s	35m/s	35m/s	35m/s
Rotating speed	500r/m	400r/m	400r/m	300r/m	200r/m
Number of blades	3 pieces				
Blade material	reinforced FRP				
Body material	high quality alloy steel				
Generator	three phase AC permanent magnet generator				
Control system	electromagnetic brake				
Yaw mode	automatic upwind regulation				
Lubrication mode	self lubrication				
Tower form	guyed tower/independent tower				
Working temperature	-40°C-80°C				

## DLK-type

## Features

- Ultrasonic anemometer  
The conventional mechanical anemometer has simple structure, the internal rotating parts have wear loss, are easy to be lost by wind and sand, and are easy to be disturbed by freezing, rain and snow. Xingtelai adopts a new ultrasonic anemometer without mechanical friction loss. It has small and compact structure, low external influence and high reliability. It is used to accurately detect real-time wind conditions.
- Solar aviation indicator  
Instead of traditional indicator light, there is no need to connect to external power supply to save installation space. The device is composed of silicon solar panel and multi-layer LED light source. The high-efficiency silicon solar physical panel provides large capacity maintenance free battery power storage, and provides electric energy for the flasher to flash at night.
- Stainless steel ball lightning rod  
SUS304 stainless steel is used as a whole, with corrosion resistance, beautiful shape, simple structure and convenient installation. It can be used for direct lightning protection with wide protection angle and strong wind resistance.
- Intelligent automatic fire extinguishing material integration device  
This product is an innovative invention in the fire industry. It is a set of simple and highly reliable independent automatic fire extinguishing device. There is no need for any power supply, special smoke and temperature sensing controller, responsible equipment and pipelines. Just paste it inside the equipment to accurately and effectively detect and extinguish the source of goods and nip the disaster in the initial stage.
- Automatic grease filler  
Instead of the traditional step of manually adding grease to the bearing, it is automatically controlled by the program to add butter to the bearing parts on time and accurately.



## Technical Parameter

Model	DLK-10KW	DLK-20KW	DLK-30KW	DLK-50KW	DLK-60KW	DLK-80KW	DLK-100KW	DLK-200KW	DLK-300KW	DLK-500KW
Rated power	10KW	20KW	30KW	50KW	60KW	80KW	100KW	200KW	300KW	500KW
Maximum power	15KW	30KW	40KW	60KW	70KW	90KW	110KW	220KW	330KW	550KW
Rated voltage	360V	360V	360V	360V	360V	360V	360V	360V	360V	360V
Start-up wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Rated wind speed	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s
Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s
Number of blades	3 pieces									
Blade material	reinforced FRP									
Body material	high quality alloy steel									
Generator	three phase AC permanent magnet generator									
Control system	electronically controlled yaw protection									
Yaw mode	electronically controlled yaw upwind									
Lubrication mode	self lubrication									
Tower form	independent tower									
Working temperature	-40°C-80°C									

# H-type

## Features

### ○ Safety

The vertical blade is adopted, and the main stress point is concentrated on the hub, so the problems of blade falling off, fracture and blade flying out have been better solved.

### ○ Noise

Horizontal plane rotation and blade design based on the principle of aircraft wing are adopted to reduce the noise to a level that can not be measured in the natural environment.

### ○ Wind resistance

The principle of horizontal rotation and vertical flat blade makes it less subject to wind pressure and can resist super typhoon.

### ○ Turning radius

Because of its different design structure and operation principle, it has smaller turning radius than other forms of wind power generation, saves space and improves efficiency.

### ○ Generation curve characteristics

The start-up wind speed is lower than that of other types of wind turbines, and the rising range of power generation is relatively gentle. Therefore, within the wind speed range of 5 ~ 8m, its power generation is 10% ~ 30% higher than that of other types of wind turbines.

### ○ Utilization wind speed range

The special control principle is adopted to expand its suitable operating wind speed range to 2.5 ~ 25m/s, maximize the use of wind resources, obtain greater total power generation, and improve the economy of wind power equipment.

### ○ Braking device

The blade itself has speed protection and is also equipped with electromagnetic brake.



# H-type

## Product Display



XTL-H1



XTL-H1

## Technical Parameter

Model	XTL-H-100W	XTL-H-200W	XTL-H-300W	XTL-H-500W	XTL-H-600W	XTL-H-800W
Rated power	100W	200W	300W	500W	600W	800W
Maximum power	150W	250W	350W	550W	700W	900W
Rated voltage	12V/24V	12V/24V	12V/24V	24V/48V	24V/48V	24V/48V
Start-up wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
Survival wind speed	40m/s	40m/s	40m/s	40m/s	40m/s	40m/s

Model	XTL-H-1KW	XTL-H-2KW	XTL-H-3KW	XTL-H-4KW	XTL-H-5KW	XTL-H-10KW
Rated power	1KW	2KW	3KW	4KW	5KW	10KW
Maximum power	1.5KW	2.5KW	3.5KW	5KW	6KW	12KW
Rated voltage	24V/48V/96V	48V/96V	48V/96V/120V	48V/96V/120V	96V/120V/220V	220V/380V
Start-up wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
Survival wind speed	40m/s	40m/s	45m/s	45m/s	45m/s	45m/s



XTL-H1



XTL-H1

# H-type

## Product Display



XTL-H2



XTL-H2



XTL-H2



XTL-HQ1

# H-type

## Product Display



XTL-HQ1



XTL-HQ1



XTL-HQ2



XTL-HQ2

# Q-type

## Features

### ○ Safety

The vertical blade and triangular double fulcrum design are adopted, and the main stress points are concentrated in the hub, so the problems of blade falling off, fracture and blade flying out have been better solved.

### ○ Noise

Horizontal plane rotation and blade design based on the principle of aircraft wing are adopted to reduce the noise to a level that can not be measured in the natural environment.

### ○ Wind resistance

The integral blade is made of aluminum alloy, and the design principle of horizontal rotation and triangular double fulcrum makes it less subject to wind pressure and can resist super typhoon.

### ○ Turning radius

Because of its different design structure and operation principle, it has smaller turning radius than other forms of wind power generation, saves space and improves efficiency.

### ○ Generation curve characteristics

The starting wind speed is lower than that of other types of wind turbines, and the rise of power generation is relatively gentle. Therefore, within the wind speed range of 5 ~ 8m, its power generation is 10% ~ 30% higher than that of other types of wind turbines.

### ○ Utilization wind speed range

The special control principle is adopted to expand its suitable operating wind speed range to 2.5 ~ 25m/s, obtain greater total power generation while making maximum use of wind resources, and improve the economy of wind power equipment.

### ○ Braking device

The blade itself has speed protection, and can be equipped with mechanical manual brake and electronic automatic brake. In areas without typhoon and super gust, only manual brake can be set.



# Q-type

## Product Display



XTL-Q1



XTL-Q2

## Technical Parameter

Model	Q-100W	Q-200W	Q-300W	Q-400W	Q-500W	Q-600W	Q-700W
Rated power	100W	200W	300W	400W	500W	600W	700W
Maximum power	150W	250W	350W	450W	550W	650W	750W
Rated voltage	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V/48V
Start-up wind speed	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s
Rated wind speed	10m/s	11.5m/s	13m/s	12m/s	12m/s	12m/s	12m/s
Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s

Model	Q-800W	Q-1KW	Q-1.5KW	Q-2KW	Q-3KW	Q-5KW	Q-8KW	Q-10KW
Rated power	800W	1KW	1.5KW	2KW	3KW	5KW	8KW	10KW
Maximum power	850W	350W	1.8KW	2.5KW	3.5KW	6KW	9KW	11KW
Rated voltage	12V/24V/48V	12V/24V/48V	12V/24V/48V	24V/48V/96V	48V/96V	48V/96V/220V	96V/220V	220/380V
Start-up wind speed	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s
Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s



XTL-Q2



XTL-Q2



# R-type

## Features

### ○ Safety

The use of nylon glass fiber has better flexibility, so the problems of blade falling off, fracture and blade flying out have been better solved.

### ○ Noise

Horizontal plane rotation and blade design based on the principle of aircraft wing are adopted to reduce the noise to a level that can not be measured in the natural environment.

### ○ Wind resistance

The horizontal rotation design principle makes it less subject to wind pressure and can resist super typhoon.

### ○ Turning radius

Because of its different design structure and operation principle, it has smaller turning radius than other forms of wind power generation, saves space and improves efficiency.

### ○ Generation curve characteristics

The starting wind speed is lower than that of other forms of wind turbines, the rising range of power generation is gentle and the stability is better.

### ○ Utilization wind speed range

The special control principle is adopted to expand its suitable operating wind speed range to 2.5 ~ 25m / s, obtain greater total power generation while making maximum use of wind resources, and improve the economy of wind power equipment.

### ○ Braking device

The blade itself has speed protection, and can be equipped with mechanical manual and electronic automatic braking. It is more suitable for use in areas without typhoon and super gust.



# R-type

## Product Display



XTL-R-1



XTL-R-2

## Technical Parameter

Model	XTL-R-100W	XTL-R-200W	XTL-R-300W	XTL-R-500W	XTL-R-800W	XTL-R-1KW
Rated power	100W	200W	300W	500W	800W	1KW
Maximum power	150W	250W	350W	550W	900W	1.2KW
Rated voltage	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V
Start-up wind speed	2m/s	2m/s	2m/s	2m/s	2m/s	2m/s
Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s
Number of blades	5 pieces					
Blade material	nylon fiber					
Body material	nylon fiber					
Generator	three phase AC permanent magnet generator/magnet generator					
Control system	electromagnetic brake					
Yaw mode	automatic windward angle					
Lubrication mode	self lubrication					
Tower form	guyed tower/independent tower					
Working temperature	-40°C-80°C					



XTL-R-3



XTL-R-3

# V-type

## Features

- Rich colors: white, orange, yellow, blue, green and mixed colors, which can be customized.
- Integrated blade design ensures higher rotation stability.
- Coreless PMG provides lower starting torque / wind speed and longer service life.
- Maximum speed protection. No higher than 300 rpm regardless of wind speed.
- Easy to install.
- The design service life is 10-15 years.



## Technical Parameter

Model	V-200W	V-300W	V-400W	V-500W	V-800W	V-1KW	V-2KW	V-3KW	V-5KW
Rated power	200W	300W	400W	500W	800W	1KW	2KW	3KW	5KW
Maximum power	250W	350W	450W	550W	880W	1.2KW	2.3KW	3.3KW	5.5KW
Rated voltage	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	48V/96V	48V/96V	48V/96V	48V/96V
Start-up wind speed	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.3m/s	1.3m/s	1.5m/s	1.5m/s
Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s	11m/s	11m/s	11m/s
Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	40m/s	40m/s	45m/s	45m/s
Number of blades	2/10 pieces								
Blade material	reinforced FRP, aluminum alloy and carbon fiber								
Body material	8A3 carbon steel								
Generator	three phase AC permanent magnet generator/maglev generator								
Control system	electromagnetic brake								
Yaw mode	automatic windward angle								
Lubrication mode	self lubrication								
Tower form	guyed tower/independent tower								
Working temperature	-40°C-80°C								

# V-type

## Product Display



XTL-V1



XTL-V1



XTL-V2



XTL-V2

# Battery

## Technical Parameter

Model	Capacity 20HR	Size	Gross Weight(kg)
		L*W*H*Total height(mm)	
6-CNJ-24AH	26	165*125*174*195	9.4
6-CNJ-40AH	42	196*165*175*194	12.1
6-CNJ-50AH	52	285*169*176*196	15.2
6-CNJ-60AH	57	350*166*174*194	18.3
6-CNJ-65AH	68	350*166*174*194	19.7
6-CNJ-70AH	75	350*166*174*194	20
6-CNJ-80AH	85	328*172*215*235	25.1
6-CNJ-90AH	95	328*172*215*235	26.8
6-CNJ-100AH	105	328*172*215*235	28.5
6-CNJ-120AH	126	407*174*210*235	34
6-CNJ-150AH	156	485*170*240*260	41
6-CNJ-180AH	188	523*240*220*240	54.2
6-CNJ-200AH	208	523*240*220*240	56.4
6-CNJ-250AH	258	521*269*221*241	69



## Solar panel (monocrystalline silicon)

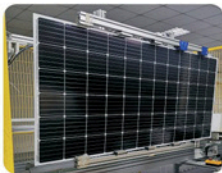
### Technical Parameter

Model	Pmax(W)	Vmax(V)	Imp(A)	Voc(V)	Isc(A)	Size W*L*H(mm)	Hole Spacing (mm)	Weight(kg)
DYS-30w	30W	17.5	1.72	21.5	3.33	520*410*25	380*320	3
DYP-40w	40W	17.5	2.29	21.5	2.58	540*540*25	390*510	4
DYP-50w	50W	17.5	2.86	21.5	3.23	530*640*25	500*400	5
DYP-60w	60W	17.5	3.43	21.5	3.88	670*590*25	560*410	5.5
DYP-70w	70W	17.5	4	21.5	4.52	870*530*30	500*530	6
DYP-80w	80W	17.5	4.57	21.5	5.17	670*770*30	640*480	6.5
DYP-90w	90W	17.5	5.143	21.5	5.81	670*836*30	640*520	7
DYP-100w	100W	17.5	5.72	21.5	6.46	670*910*30	640*520	7.6
DYP-110w	110W	17.5	6.29	21.5	6.29	670*1020*30	640*630	8
DYP-120w	120W	17.5	6.86	21.5	7.75	670*1120*30	640*700	9
DYP-130w	130W	17.5	7.43	21.5	8.4	670*1190*30	640*910	10
DYP-140w	140W	17.5	8	21.5	9.04	670*1310*30	640*800	11
DYP-150w	150W	35	4.29	43	4.85	670*1410*30	640*810	12
DYP-160w	160W	35	4.58	43	5.17	670*1500*35	630*910/630*555	13.5
DYP-170w	170W	35	4.86	43	5.49	670*1570*35	630*970/630*600	14.5
DYP-180w	180W	35	5.14	43	5.81	670*1650*35	630*1020/630*630	16
DYP-190w	190W	35	5.42	43	6.14	670*1650*35	630*1010/630*630	16
DYP-200w	200W	35	5.72	43	6.46	990*1200*35	950*740	17

# Solar panel(polycrystalline silicon)

## Technical Parameter

Model	Pmax(W)	Vmax(V)	Imp(A)	Voc(V)	Isc(A)	Size W*L*H(mm)	Hole Spacing (mm)	Weight(kg)
DY5-30w	30W	17.5	1.72	21.5	3.33	520*440*25	410*320	3
DYP-40w	40W	17.5	2.29	21.5	2.58	670*450*25	280*640	4
DYP-50w	50W	17.5	2.86	21.5	3.23	670*530*25	320*640	5
DYP-60w	60W	17.5	3.43	21.5	3.88	670*630*25	390*640	5.5
DYP-70w	70W	17.5	4	21.5	4.52	530*920*30	500*570	6
DYP-80w	80W	17.5	4.57	21.5	5.17	670*836*30	520*640	6.5
DYP-90w	90W	17.5	5.143	21.5	5.81	670*910*30	520*640	7
DYP-100w	100W	17.5	5.72	21.5	6.46	670*1020*30	630*640	7.6
DYP-110w	110W	17.5	6.29	21.5	6.29	670*1110*30	700*640	8
DYP-120w	120W	17.5	6.86	21.5	7.75	670*1190*30	730*640	9
DYP-130w	130W	17.5	7.43	21.5	8.4	670*1310*30	640*800	10
DYP-140w	140W	17.5	8	21.5	9.04	670*1410*30	810*640	11
DYP-150w	150W	35	4.29	43	4.85	670*1476*30	910*640/560*640	12
DYP-160w	160W	35	4.58	43	5.17	670*1570*35	970*630/600*630	13.5
DYP-170w	170W	35	4.86	43	5.49	670*1650*35	630*1010/630*630	14.5
DYP-180w	180W	35	5.14	43	5.81	990*1200*35	940*740	16
DYP-190w	190W	35	5.42	43	6.14	990*1320*35	940*800	16
DYP-200w	200W	35	5.72	43	6.46	990*1320*35	950*800	16



# Wind solar complementary controller

## Technical Parameter

Model	Specifications	Battery voltage(V)	Remarks
MAX-II-WS02-02	rated maximum power of wind turbine: 200W power of solar panel: 100W LED, nixie tube display	12	MPPT 232 wind turbine current and rotating speed protection
MAX-II-WS02-03	rated maximum power of wind turbine: 300W power of solar panel: 100W LED, nixie tube display	12	MPPT 232 wind turbine current and rotating speed protection
MAX-II-WS02-04	rated maximum power of wind turbine: 400W power of solar panel: 100W LED, nixie tube display	12	MPPT 232 wind turbine current and rotating speed protection
MAX-I2-WS02-04	rated maximum power of wind turbine: 400W power of solar panel: 200W LED, nixie tube display	24	MPPT 232 wind turbine current and rotating speed protection
MAX-I2-WS02-06	rated maximum power of wind turbine: 600W power of solar panel: 200W LED, nixie tube display	24	MPPT 232 wind turbine current and rotating speed protection
MAX-I2-WS02-08	rated maximum power of wind turbine: 800W power of solar panel: 200W LED, nixie tube display	24	MPPT 232 wind turbine current and rotating speed protection
MAX-I2-WS02-10	rated maximum power of wind turbine: 1000W power of solar panel: 200W LED, nixie tube display	24	MPPT 232 wind turbine current and rotating speed protection
MAX-I4-WS-03	rated maximum power of wind turbine: 300W power of solar panel: 100W LED, nixie tube display	48	MPPT 232 wind turbine current and rotating speed protection
MAX-I4-WS-06	rated maximum power of wind turbine: 600W power of solar panel: 200W LED, nixie tube display	48	MPPT 232 wind turbine current and rotating speed protection
MAX-I4-WS-10	rated maximum power of wind turbine: 1000W power of solar panel: 200W LED, nixie tube display	48	external unloader MPPT 232 wind turbine current and rotating speed protection
MAX-I48-W2K-1	rated power of wind turbine: 2KW LCD	48	PWM mode RS232 communication
MAX-I48-W3K-1	rated power of wind turbine: 3KW LCD	48	PWM mode RS232 communication
MAX-I96-W2K-1 MAX-I120-W2K-1 MAX-I96-W3K-1 MAX-I120-W3K-1	rated power of wind turbine: 2KW LCD	96/120	PWM mode RS232 communication
MAX-I96-W5K-1 MAX-I120-W5K-1 MAX-I220-W3K-1 MAX-I240-W3K-1	rated power of wind turbine: 5KW LCD	96/120	PWM mode RS232 communication
MAX-I220-W5K-1 MAX-I240-W5K-1 MAX-I220-W10K-1 MAX-I240-W10K-1	rated power of wind turbine: 5KW LCD	220/240	PWM mode RS232 communication
MAX-I380-W5K-1	rated power of wind turbine: 5KW LCD	380	PWM mode RS232 communication
MAX-I380-W10K-1	rated power of wind turbine: 10KW LCD	380	PWM mode RS232 communication
MAX-IB380-W5K-1	rated power of wind turbine: 5KW LCD	on-grid	PWM mode RS232 communication Backup power scheme
MAX-IB380-W10K-1	rated power of wind turbine: 10KW LCD	on-grid	PWM mode RS232 communication Backup power scheme
MAX-IB380-W20K-1	rated power of wind turbine: 20KW LCD	on-grid	PWM mode RS232 communication Backup power scheme





# NQ-type

## Features

- ◎ The efficiency of NQ inverter reaches more than 88%.
- ◎ New appearance design, adapt to wide and narrow voltage, and can automatically identify frequency.
- ◎ Tull LED display, inverter function can be selected according to customer purpose.
- ◎ Three working modes are available: mains power priority, inverter priority and energy-saving mode.
- ◎ The peak start-up power is more than 3 times, and the load capacity is excellent.
- ◎ Intelligent wind turbine (automatically adjust the rotating speed according to the internal temperature).
- ◎ Power frequency technology and pure sine wave AC output are adopted, which has strong load adaptability, smaller no-load current and more energy saving.
- ◎ Built in AC 3-stage charging module, which can automatically adjust the charging current (5A-30A) according to the battery capacity and actual use.
- ◎ It has perfect battery undervoltage, overload and short circuit protection functions, which is safe and reliable.

## Product Display



# NQ-type

## Technical Parameter

Model	DC voltage	Rated Power	Size	Weight	
NQ-05312	12V	500W	30.5x14.5x21cm	6.6KG	
NQ-05324	24V				
NQ-06312	12V	600W	30.5x14.5x21cm	6.6KG	
NQ-06324	24V			5.6KG	
NQ-10312	12V	1000W	37x17x23cm	9.78KG	
NQ-10324	24V		38.5x20.5x32.3cm	10.5KG	
NQ-10348	48V				
NQ-15312	12V	1500W	37x17x23cm	11KG	
NQ-15324	24V		38.5x20.5x32.3cm	11.5KG	
NQ-15348	48V				
NQ-20324	24V	2000W	38.5x20.5x32.3cm	16.3KG	
NQ-20348	48V			16.4KG	
NQ-20396	96V			16.5KG	
NQ-30324	24V	3000W	43x22x38cm	18.3KG	
NQ-30348	48V		38.5x20.5x32.3cm	18.4KG	
NQ-30396	96V				
NQ-303220	220V				
NQ-40324	24V	4000W	45x24x40cm	21KG	
NQ-40348	48V			38.5x20.5x32.3cm	25KG
NQ-40396	96V				
NQ-403220	220V				
NQ-50348	48V	5000W	45x24x40cm	28.7KG	
NQ-50396	96V			31KG	
NQ-503220	220V			32KG	
NQ-60348	48V	6000W	45x24x40cm	33KG	
NQ-60396	96V		55x26x72.5cm	35.7KG	
NQ-603220	220V				
NQ-70348	48V	7000W	55x26x72.5cm	46KG	
NQ-70396	96V				
NQ-703220	220V				
NQ-80396	96V	8000W	55x26x72.5cm	50.6KG	
NQ-803220	220V				
NQ-100396	96V	10000W		55x26x72.5cm	67KG
NQ-1003220	220V				
NQ-150396	96V	15KW	55x26x72.5cm	72KG	
NQ-1503220	220V				



## S street lamp



permanent magnet generator

magnetic levitation generator

## P permanent magnet generator

Model	XTL-1KW	XTL-1.5KW	XTL-2KW	XTL-2.5KW	XTL-3KW	XTL-5KW	XTL-10KW	XTL-15KW
Rated power	1KW	1.5KW	2KW	2.5KW	3KW	5KW	10KW	15KW
Rated voltage	48v	48v	48v/96v	48v/96v	48v/96v	96v/120v/220v	96v-400v	96v-400v
Rated rotating speed	500r/m	500r/m	500r/m	500r/m	300r/m	300r/m	170r/m	170r/m
Generator	three phase AC	three phase AC	three phase AC	three phase AC	three phase AC	three phase AC	three phase AC	three phase AC
Insulation class	F	F	F	F	F	F	F	F
Degree of protection	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
Service life	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years
Surface treatment	plastic spraying	plastic spraying	plastic spraying	plastic spraying	spray paint	spray paint	spray paint	spray paint
Material	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB
Net weight	18kg	23kg	25kg	40kg	70kg	80kg	180kg	230kg
Height	190mm	220mm	220mm	250mm	290mm	290mm	320mm	400mm
Diameter	190mm	190mm	190mm	235mm	358mm	358mm	530mm	530mm

## M aglev generator

Model	XTL-20KW	XTL-25KW	XTL-30KW	XTL-30KW	XTL-50KW	XTL-50KW	XTL-100KW	XTL-100KW
Rated power	20KW	25KW	30KW	30KW	50KW	50KW	100KW	100KW
Rated voltage	96v-400v	96v-400v	96v-400v	96v-400v	96v-400v	96v-400v	96v-400v	96v-400v
Rated rotating speed	180r/m	180r/m	78r/m	500r/m	78r/m	750r/m	60r/m	750r/m
Generator	three phase AC	three phase AC	three phase AC	three phase AC	three phase AC	three phase AC	three phase AC	three phase AC
Insulation class	F	F	F	F	F	F	F	F
Degree of protection	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
Service life	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years
Surface treatment	spray paint	spray paint	spray paint	spray paint	spray paint	spray paint	spray paint	spray paint
Material	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB	rare earth NdFeB
Net weight	320kg	350kg	750kg	580kg	1050kg	700kg	1500kg	830kg
Height	500mm	560mm	400mm	530mm	629mm	650mm	850mm	650mm
Diameter	530mm	530mm	1025mm	423mm	1025mm	423mm	1025mm	490mm



Jiangsu wind solar complementary street lamp system



inner Mongolia street lamp



Yan'an wind solar complementary street lamp



Shanghai wind solar complementary system



Fujian wind solar complementary street lamp



Jiangsu Taizhou wind solar complementary street lamp



Shanghai Xianghua Bridge wind solar complementary street lamp system



wind solar hybrid monitor system



border surveillance



Dafeng District, Yancheng City



Xuzhou City, Jiangsu Province



Shenzhen City, Guangdong Province



wind solar hybrid monitor + street lamp system



Qingdao City



Xinjiang frontier watch tower monitoring system



Inner Mongolia Chifeng wind solar hybrid  
communication power supply



Inner Mongolia Chifeng wind solar hybrid  
communication base station



## F

orest fire prevention



Shanxi wind solar hybrid forest fire prevention



## S

mart energy



Guangdong Country Garden smart energy

## C

ivil



Xinjiang wind solar hybrid power supply system



Inner Mongolia wind power generation system



Inner Mongolia wind solar hybrid power supply system



Inner Mongolia wind power generation system





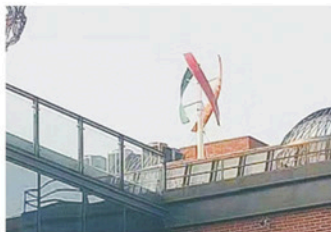
Ningxia Yinchuan wind solar hybrid system



Island wind solar hybrid power supply



Inner Mongolia wind power generation system



Henan wind power generation

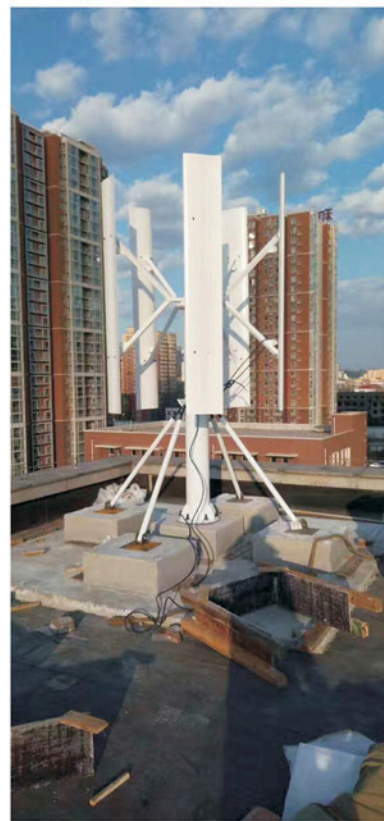
Offshore power supply



Water conservancy monitoring



Wind, solar and diesel multi energy  
complementary power generation system



Guangdong



Nanjing, Jiangsu



The United States

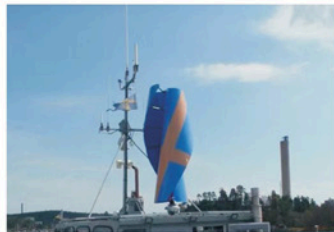
## Wind power generation system



Shanghai



Harbin roof



South Korea



Henan



Dubai



Italy

## Off grid and on grid integrated power station



Fujian University



Gobi desert

## Solar power generation system



Urumqi, Xinjiang



Hami, Xinjiang



Kashgar, Xinjiang



## Wind pv diesel micro grid system

