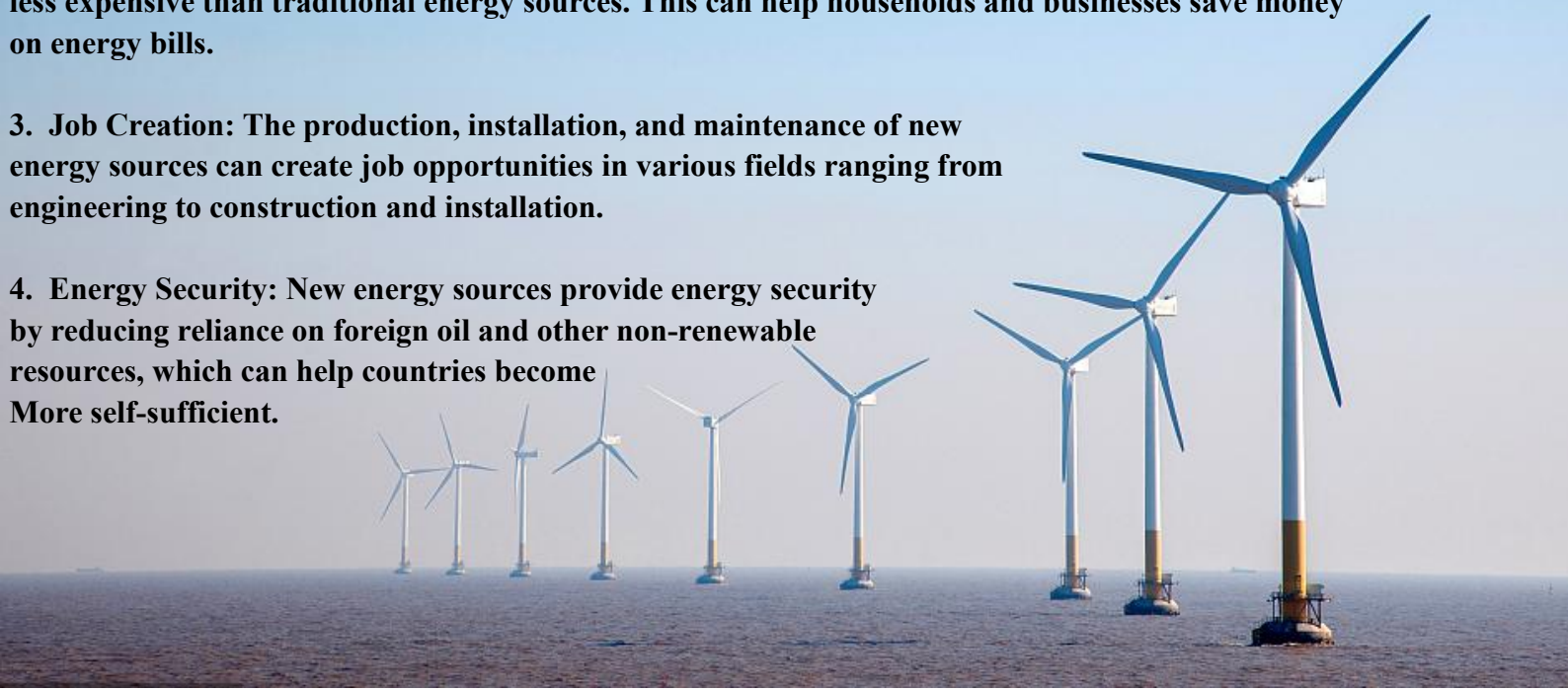




New energy sources can be very useful as they provide several benefits over traditional energy sources. Here are some of the ways that new energy can be useful:

- 1. Environmentally Friendly:** New energy sources such as solar, wind, geothermal, and tidal energy are cleaner and more sustainable than traditional fossil fuels which helps in reducing carbon emissions, air pollution, and overall environmental damage.
- 2. Cost-Effective:** Many new energy sources have become more cost-effective over time making them less expensive than traditional energy sources. This can help households and businesses save money on energy bills.
- 3. Job Creation:** The production, installation, and maintenance of new energy sources can create job opportunities in various fields ranging from engineering to construction and installation.
- 4. Energy Security:** New energy sources provide energy security by reducing reliance on foreign oil and other non-renewable resources, which can help countries become more self-sufficient.



Vertical Axial Wind Turbine Generator

What is the advantage of vertical wind turbine?

1. **Smaller footprint:** Vertical wind turbines require a smaller area to generate the same amount of power as horizontal turbines.
2. **They can operate in lower wind speeds:** Vertical turbines can operate efficiently in lower wind speeds, making them ideal for urban and suburban areas where the wind is often turbulent and unpredictable.
3. **Easier maintenance:** Their design makes it easier to access the components of the wind turbine, facilitating maintenance and repairs.
4. **Wildlife-friendly:** Vertical wind turbines operate at lower blade speeds and are less likely to harm birds and bats.
5. **Aesthetically pleasing:** Vertical turbines are often considered more aesthetically pleasing and less obtrusive than traditional horizontal turbines.

① Tulip Type



The tulip type VAWT has a cylindrical shape with curved blades that resemble tulip petals, which are mounted on a vertical axis. The blades are designed to capture wind energy in all directions and generate power efficiently even in low wind speeds. The turbine's shape also reduces the noise and vibration caused by the spinning blades.

Model	RX-TL1000	RX-TL3000	RX-TL5000	RX-TL10K
Rated Power	1KW	3KW	5KW	10KW
Max Power	1500W	3200W	5200W	10500W
Blades Length	1.1M	1.7M	2.0M	2.0M
Wheel Diameter	0.52M	1.0M	1.2M	1.2M
Rated Voltage	12V~48V	24V~96V	24V~220V	48V~220
Start Up Speed	1.5m/s	2.0m/s	2.0m/s	2.0m/s
Rated Speed	12m/s	12m/s	12m/s	12m/s
Cut-in Speed	4.0m/s	4.0m/s	4.0m/s	4.0m/s
Survival Speed	45m/s	45m/s	45m/s	45m/s
Blades Quantity	2			
Blades Material	Fiber glass			
Generator Type	Coreless Disc Type Maglev Levitation Permanent Magnet Generator			
Working Temperature	-40℃~+80℃			
Protection Level	IP54			
Working environment humidness	≤90%			
Altitude	≤4500m			
Install Height	3~12m			
Overload Protection	Electromagnetic Brake			
Gross Weight	26kg	105kg	125 kg	160kg
Packing List(cm)	142*36*24 One carton	177*65*53 One wooden box	213*72*63 One wooden box	62*62*100 211*68*52 Two wooden boxes



**The data sheet is just for your refer
We can customize more specification for you**

② Spiral Type

1. Efficiency: Spiral-type turbines have a high coefficient of power (C_p) compared to other vertical-axis wind turbine designs. This means they can capture more wind energy and convert it into usable electricity.

2. Low noise: Because spiral-type turbines have fewer moving parts, they tend to produce relatively little noise during operation.

3. Scalability: They can be built at different sizes, from small turbines for personal use to large, industrial-sized installations.



4. Low wind speed generation: Spiral turbines can generate electricity even in low-wind conditions, making them ideal for use in urban areas or other locations where wind speeds tend to be lower.

5. Easy installation: Spiral-type turbines are relatively easy to install thanks to their simple design, which requires less operational equipment on site.

Model	RX-SV1000	RX-SV1500	RX-SV2000	RX-SV2500
Rated Power	1KW	1500W	2000W	2500W
Max Power	1100W	1600W	2100W	2600W
Blades Length	1.3M	1.5M	1.5M	1.7M
Wheel Diameter	0.52M	0.6M	0.67M	0.6M
Rated Voltage	12V~48V	12V~48V	12V~96V	48V~220V
Start Up Speed	1.5m/s	2.0m/s	2.0m/s	2.0m/s
Rated Speed	12m/s	12m/s	12m/s	12m/s
Cut-in Speed	4.0m/s	4.0m/s	4.0m/s	4.0m/s
Survival Speed	45m/s	45m/s	45m/s	45m/s
Blades Quantity	2	2	2	2
Blades Material	Fiber glass			
Generator Type	Coreless Disc Type Maglev Levitation Permanent Magnet Generator			
Working Temperature	-40°C~+40°C			
Protection Level	IP54			
Working environment humidness	≤90%			
Altitude	≤4500m			
Install Height	6~12m			
Overload Protection	Electromagnetic Brake			

Gross weight	28kg	35kg	40kg	45kg
Packing list(cm)	17*17*132 55*35*35	36*36*36 170*50*50	65*47*47 19*19*170	28*28*190



Model	RX-SV3000	RX-SV5000	RX-SV6000	RX-SV8000	RX-SV10K	RX-SV15K
Rated Power	3KW	5KW	6KW	8KW	10KW	15KW
Max Power	3500W	5500W	6500W	8500W	11W	16KW
Blades Length	2.0M	3.0M	3.5M	3.5M	4.0M	4.0M
Wheel Diameter	0.8M	1.2M	1.2M	1.2M	1.2M	1.2M
Rated Voltage	48V~220V				96V~220V	
Start Up Speed	1.2m/s	1.5m/s	2.0m/s	2.0m/s	2.5m/s	2.5m/s
Rated Speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
Cut-in Speed	3.5m/s	4.0m/s	4.0m/s	4.0m/s	4.0m/s	4.0m/s
Survival Speed	40m/s	45m/s	45m/s	45m/s	45m/s	45m/s
Blades Quantity	2 Pieces					
Blades Material	Fiber glass					
Generator Type	Maglev coreless permanent magnet generator	Iron-Core permanent magnet Generator	Iron-Core permanent magnet Generator	Maglev coreless permanent magnet generator	Iron-Core permanent magnet Generator	Maglev coreless permanent magnet generator
Working Temperature	-40℃~+40℃					
Protection Level	IP54					
Working environment humidness	≤90%					
Altitude	≤4500m					
Install Height	6~12m					
Overload Protection	Electromagnetic Brake					
Gross Weight	80kg	140kg	265 kg	280kg	300kg	340kg
Packing List(cm)	206*20*20 47*47*85 37*37*32	118*40*42 118*40*42 28*28*40 334*10*10	48*48*50 95*35*36 95*35*36 370*26*26	48*48*50 95*35*36 95*35*36 370*26*26	95*35*36 35*35*35 420*35*35 130*30*30	95*35*36 35*35*35 420*35*35 130*30*30

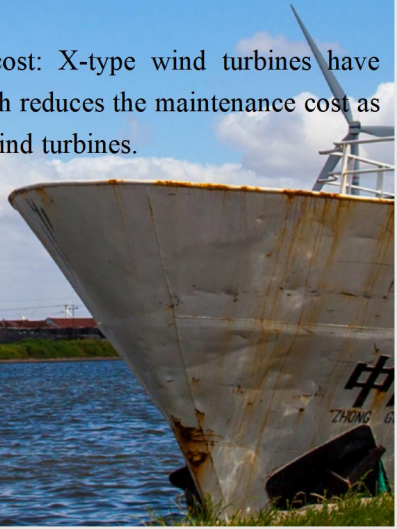
Real Photo

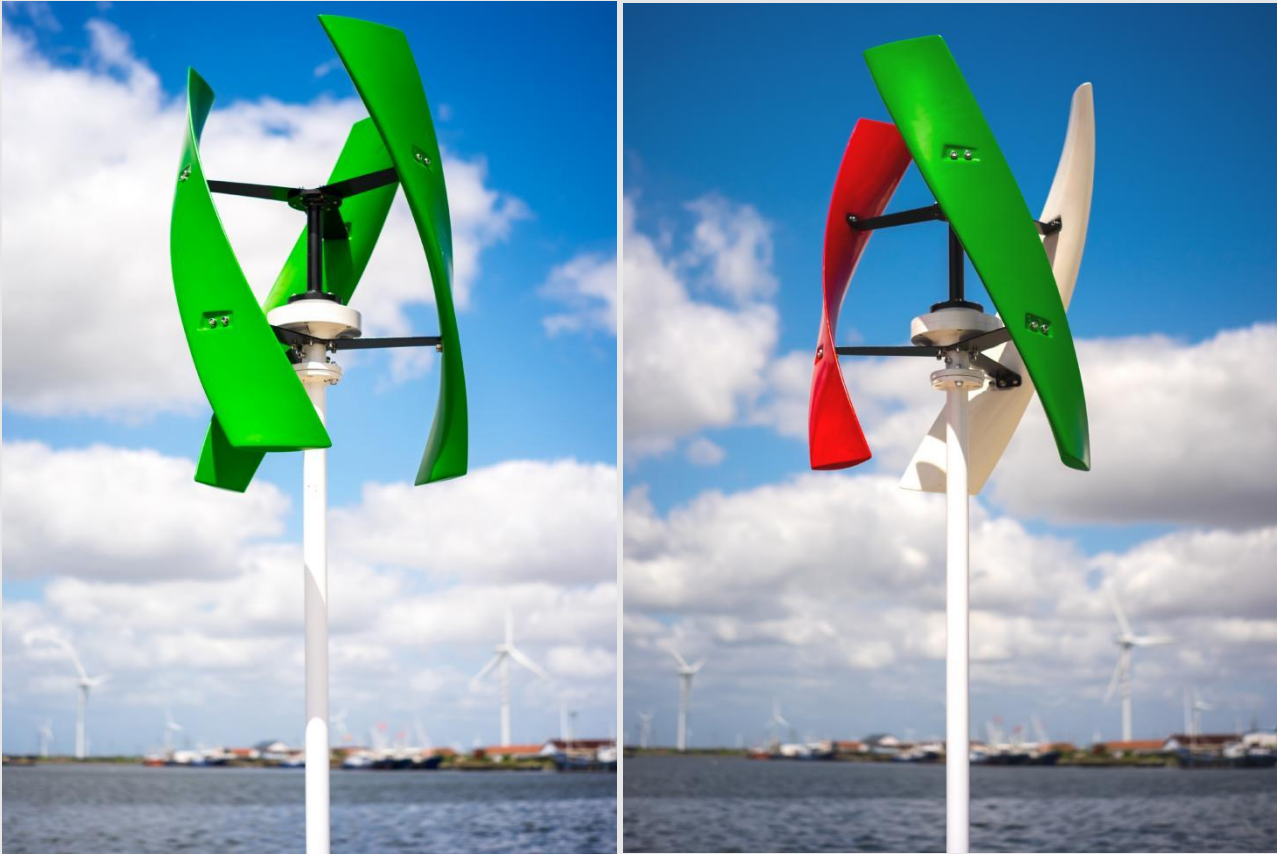





③ X Type



- 1. Higher efficiency: X-type wind turbines have higher efficiency as compared to traditional wind turbines due to their unique blade design.
- 2. Lower noise: X-type wind turbines produce lower noise as compared to traditional wind turbines.
- 3. Better performance in low winds: X-type wind turbines can generate electricity in low wind speeds, which is not possible with traditional wind turbines.
- 4. More compact design: X-type wind turbines have a more compact design and can easily fit into small spaces, making them ideal for residential areas.
- 5. Lower maintenance cost: X-type wind turbines have fewer moving parts, which reduces the maintenance cost as compared to traditional wind turbines.



Model	RX-XV1000	RX-XV2000	RX-XV3000	RX-XV3500	RX-XV4000
Rated Power	1000W	2000W	3000W	3500W	4KW
Max Power	1100W	2200W	3200W	4000W	4.5KW
Blades Length	1.0M	1.35M	1.65M	1.65M	2.1M
Wheel Diameter	0.62M	1.0M	1.2M	1.2M	1.4M
Rated Voltage	12V~48V	24V~48V	24V~220V	24V~220V	24V~220V
Start Up Speed	1.2m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s
Rated Speed	10m/s	11m/s	11m/s	11m/s	11m/s
Cut-in Speed	2.5m/s	3.0m/s	3.0m/s	3.0m/s	3.5m/s
Survival Speed	45m/s	45m/s	40m/s	40m/s	40m/s
Blades Quantity	3	3	3	3 Include inner boost drum	3 pcs Include inner boost drum
Blades Material	Fiber glass	Fiber glass	Fiber glass	Fiber glass	Fiber glads
Generator Type	Maglev Levitation coreless Permanent magnet Generator				Iron core
Working Temperature	-40°C~+40°C				
Protection Level	IP54				
Working environment humidness	≤90%				
Altitude	≤4500m				
Install Height	3~12m				
Overload Protection	Electromagnetic Brake				
Gross Weight	28kg	75kg	96kg	130kg	150kg
Packing List(cm)	120*27*50 One carton	173*52*45 One wooden	220*57*42 One wooden	220*57*42 68*68*40 Two wooden	270*45*47 103*103*41
Real Photos					

Model	RX-XV5000	RX-XV6000	RX-XV8000	RX-XV10K	RX-XV15K	RX-XV20K	RX-XV25K	
Rated Power	5KW	6KW	8KW	10KW	10KW	20KW	25KW	
Max Power	5.5KW	6.5KW	8.5KW	11KW	16KW	22KW	27KW	
Blades Length	2.1M	2.8M	2.8M	3.2M	3.6M	4.2M	5.0M	
Wheel Diameter	1.4M	1.8M	1.8M	2.0M	2.4M	2.4M	3.0M	
Rated Voltage	48V~220V	48V~220V	48V~220V	48V~380V	96V~380V	96V~380V	96V~380V	
Start Up Speed	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	
Rated Speed	11m/s	11m/s	11m/s	11m/s	11m/s	11m/s	11m/s	
Cut-in Speed	3.5m/s	3.5m/s	3.5m/s	3.5m/s	3.5m/s	3.5m/s	3.5m/s	
Survival Speed	40m/s	40m/s	40m/s	45m/s	45m/s	45m/s	45m/s	
Blades Quantity	3 PCS Include One boost drum				3 pcs Include double boost drum			
Blades Material	Fiber glass							
Generator Type	Maglev coreless generator	Iron-core generator	Axial flux coreless disc type permanent magnet generator					
Working Temperature	-40℃~+40℃							
Protection Level	IP54							
Working environment humidness	≤90%							
Altitude	≤4500m							
Install Height	3~12m							
Overload Protection	Electromagnetic Brake							
Gross Weight	195kg	230kg	260kg	273kg	365kg	400kg	600kg	
Packing List(cm)	270*45*47 103*103*41	48*48*42 322*54*42 104*104*42 52*48*29	48*48*42 322*54*42 104*104*42 52*48*29	48*48*40 103*103*38 320*53*42	51*51*43 103*103*42 413*73*54		580*85*85 102*102*65 65*65*60	
Real Photo								

④ H Type

1. Higher Efficiency: H-type turbines have a higher efficiency compared to traditional wind turbines because of their unique blade design. Their blades are longer and curved, which enables them to capture more wind energy.

2. Better Performance in Low Wind Speeds: H-type turbines have better performance in low wind speeds compared to traditional turbines, which means they can generate electricity even in wind speeds as low as 3 meters per second.

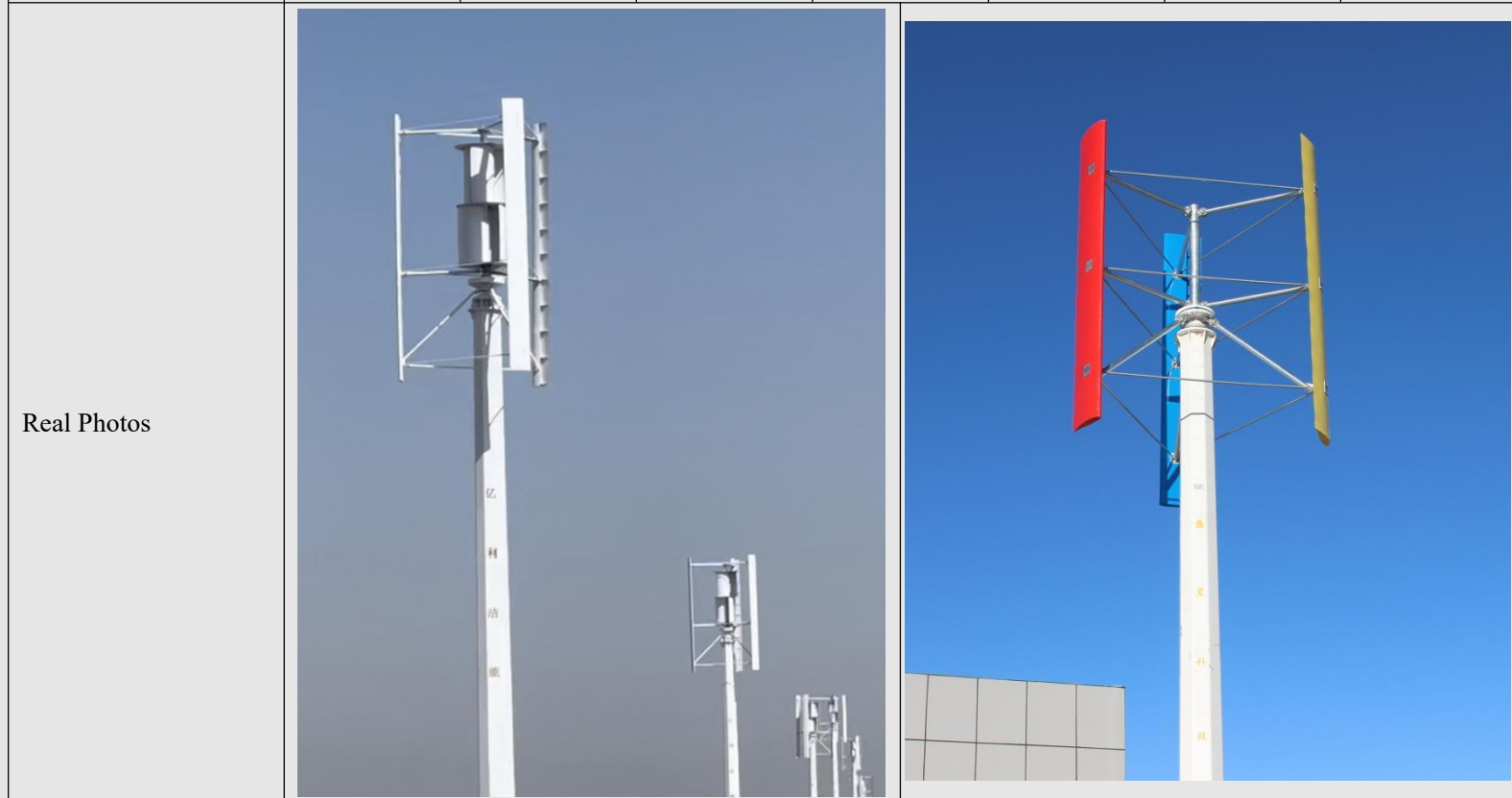
3. Reduced Noise Pollution: The unique blade design of H-type turbines reduces the amount of noise they produce, making them more suitable for residential areas.

4. Lower Maintenance Costs: H-type turbines have fewer moving parts compared to traditional turbines, which means they require less maintenance and have a longer lifespan.



Model	RX-HV1K	RX-HV2K	RX-HV3K	RX-HV3K-2	RX-HV3K-3	RX-HV4K	RX-HV5K
Rated Power	1000W	2000W	3000W	3000W	3000W	4000W	5000W
Max Power	1200W	2300W	3300W	3500W	4000W	4500W	6000W
Blades Length	1.6M	1.8M	2.0M	2.0M	2.0M	2.8M	2.8M
Wheel Diameter	1.2M	1.2M	1.4M	1.4M	1.4M	1.8M	1.8M
Generator Type	Maglev coreless	Maglev coreless	Iron-core	Iron-core	Maglev coreless	Iron-core	Maglev coreless
Rated Voltage	24V~220V	24V~220V	48V~220V	48V~220V	48V~220V	48V~220V	48V~380V
Start Up Speed	1.3m/s	1.3m/s	1.3m/s	1.3m/s	1.5m/s	1.5m/s	1.5m/s
Rated Wind Speed	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s
Cut in wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Survival Wind Speed	40m/s	40m/s	40m/s	40m/s	40m/s	40m/s	40m/s
Blades Quantity	3 pcs	3 pcs	3 pcs	3 pcs Include boost	3 pcs	3 pcs	3 pcs

Cut in wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Survival Wind Speed	50m/s	50m/s	50m/s	50m/s	50m/s	50m/s	50m/s
Blades Quantity	3 pcs	3 pcs Include double boost drum	3 pcs	3 pcs Include double boost drum	3 pcs	3 pcs Include double boost drum	3 pcs Include double boost drum
Blades Material	Aluminium alloy						
Working Temperature	-40℃~+40℃						
Protection Level	IP54						
Working environment humidness	≤90%						
Altitude	≤4500m						
Install Height	2~12m						
Overload Protection	Electromagnetic Brake						
Gross Weight	245kg	260kg	280kg	290kg	340kg	360kg	380kg
Packing List(cm)	326*24*50 156*45*52	326*24*50 103*103*42 156*45*52	326*24*50 156*45*52	326*24*50 103*103*42 156*45*52	156*45*53 250*45*8 102*102*40 365*39*45	156*45*53 250*45*8 102*102*40 80*59*35 365*39*45	156*45*53 250*45*8 102*102*40 80*59*35 365*39*45



Model	RX-HK12K	RX-HV15K	RX-HV20K	RX-HV25K	RX-HV30K	RX-HV50K	RX-HV100K
Rated Power	12KW	15KW	20KW	25KW	30KW	50KW	100KW
Max Power	15KW	20KW	25KW	30KW	35KW	55KW	120KW
Blades Length	4.0M	4.0M	4.5M	6.0M	7.0M	10M	15M
Wheel Diameter	2.6M	2.6M	3.0M	4.0M	5.0M	5.0M	8.0M
Generator type	Iron-core	Maglev coreless	Maglev coreless	Maglev coreless	Maglev coreless	Maglev coreless	Maglev coreless
Rated Voltage	96V~380V	96V~380V	96V~380V	96V~380V	220V~380V	380V	380V
Start Up Speed	2.0m/s	2.0m/s	2.0m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s

Rated Wind Speed	11m/s	11m/s	11m/s	11m/s	11m/s	11m/s	11m/s
Cut in wind speed	2.5m/s	2.5m/s	3.0m/s	3.0m/s	3.0m/s	3.0m/s	3.0m/s
Survival Wind Speed	50m/s	50m/s	50m/s	50m/s	50m/s	50m/s	50m/s
Blades Quantity	3 pcs Include double boost drum	3 pcs Include double boost drum	3 pcs Include double boost drum	3 pcs Include double boost drum	5 pcs Include three boost drum	5 pcs Include three boost drum	5 pcs Include three boosts drum
Blades Material	Aluminium alloy						
Working Temperature	-40℃~+40℃						
Protection Level	IP54						
Working environment humidness	≤90%						
Altitude	≤4500m						
Install Height	2~12m						
Overload Protection	Electromagnetic Brake						
Gross Weight	400kg	420kg	470kg	715 kg	1400kg	2000kg	2500 kg
Packing List(cm)	410*35*51 154*45*52 68*68*39	410*35*51 154*45*52 68*68*39	460*26*53 161*45*79 85*85*40	610*25*53 183*69*77 103*103*45	102*102*173 780*41*53 130*130*61 266*55*53		

Real Photos






The data sheet is just for your refer
We can customize more specification for you

⑤Q Type

1. High efficiency: Q type wind turbines are designed to maximize their power output, which makes them highly efficient.
2. Low wind speed operation: Q type wind turbines can operate at low wind speeds, which makes them suitable for installation in low wind areas.
3. Low noise: Q type wind turbines are designed to operate with low noise levels, making them suitable for installation in residential and urban areas.
4. Easy maintenance: Q type wind turbines are designed for easy maintenance, requiring little downtime for repairs and replacement of parts.
5. Robust design: Q type wind turbines are built to withstand harsh weather conditions, making them reliable and durable.



Model	RX-QV1000	RX-QV1500	RX-QV2000
Rated Power	1000W	1500W	2000W
Max Power	1100W	1600W	2200W
Blades Length	1.17M	1.17M	1.5M
Wheel Diameter	1.3M	1.3M	1.5M
Rated Voltage	12V~48V	12V~48V	24V~96V
Start Up Speed	1.5m/s	1.5m/s	2.0m/s
Rated Wind Speed	10m/s	10m/s	10m/s
Cut in wind speed	2.5m/s	2.5m/s	2.5m/s
Survival Wind Speed	45m/s	50m/s	50m/s
Blades Quantity	3	3	3
Blades Material	Aluminium alloy		
Generator Type	Three Phase Permanent Axial Flux Coreless Maglev Levitation Generator		

Working Temperature	-40℃~+40℃		
Protection Level	IP54		
Working environment humidness	≤90%		
Altitude	≤4500m		
Install Height	3~12m		
Overload Protection	Electromagnetic Brake		
Gross Weight	60.kg	80.0kg	120.0kg
Packing List(cm)	121*52*57 120*70*14 2 boxes	156*62*66 156*85*12 Two wooden boxes	
Real Photos			

Model	RX-QV2500	RX-QV3K	RX-QV4K	RX-QV5K	RX-QV8K	RX-QV10K	RX-QV20K	RX-QV25K
Rated Power	2500W	3000W	4000W	5000W	8000w	10KW	20KW	25KW
Max Power	2700W	3300W	4500W	5500W	8500w	11KW	25KW	30KW
Blades Length	2.0M	2.0M	2.5M	2.5M	3.0M	3.0M	3.5M	5.0M
Wheel Diameter	2.0M	2.0M	2.5M	2.5M	3.0M	3.0M	3.5M	5.0M
Rated Voltage	24V~220V	24V~220V	48V~220V	48V~220V	48V~220V	48V~220V	96V~380V	96V~380V
Start Up Speed	2.0m/s	2.0m/s	2.0m/s	2.0m/s	2.0m/s	2.5m/s	2.5m/s	2.5m/s
Rated Wind Speed	10m/s	10m/s	10m/s	11m/s	11m/s	11m/s	11m/s	11m/s
Cut in wind speed	2.5m/s	2.5m/s	2.5m/s	3.0m/s	3.0m/s	3.0m/s	3.0m/s	3.0m/s
Survival Wind Speed	50m/s	50m/s	50m/s	50m/s	50m/s	50m/s	50m/s	50m/s
Blades Quantity	3	3	3	3	3	3	3	3
Generator Type	Iron-core generator	Coreless generator	Iron-core generator	Coreless generator	Iron-core generator	Coreless generator	Coreless generator	Coreless generator
Blades Material	Aluminium alloy							
Working	-40℃~+40℃							

Temperature								
Protection Level	IP54							
Working environment humidness	$\leq 90\%$							
Altitude	$\leq 4500\text{m}$							
Install Height	3~12m							
Overload Protection	Electromagnetic Brake							
Gross Weight	180.0kg	240.0kg	300.0kg	340.0kg	400.0kg	450.0kg	520.0kg	600.0kg

Real Photos



⑥Lantern Type



1. Low noise: Compared to traditional horizontal axis wind turbines, the lantern-type wind turbines produce less noise, making them ideal for urban and suburban areas.
3. Low wind speed: They can operate even at low wind speeds, making them suitable for areas with lower wind speeds, such as urban areas.
4. Low maintenance: Due to the simpler design, these turbines require less maintenance and fewer moving parts, lowering the overall maintenance costs.
5. Aesthetically pleasing: They have a unique and modern look like a lantern, making them ideal for urban and remote areas, where there

Model	RX-LTV1000
Rated Power	1000W
Max Power	1100W
Blades Length	0.6M
Wheel Diameeter	0.9M
Rated Voltage	12V/24V
Start Up Speed	1.2m/s
Rated Wind Speed	
Cut in wind speed	2.5m/s
Survival Wind Speed	40m/s
Blades Quantity	5
Blades Material	Nylon Fiber
Generator Type	Three Phase Permanent Magnet Generator/Maglev Levitation Generator
Working Temperature	-40℃~+40℃
Protection Level	IP54
Working environment humidness	≤90%
Altitude	≤4500m
Install Height	3~12m
Overload Protection	Electromagnetic Brake
Gross Weight	13.0kg
Packing List(cm)	32*62*46 One carton



Certification



Certificate of Conformity

Certificate of Conformity

Certificate Number: DL-20230227001C

Certificate Number: DL-20230227006C

Applicant: Nantong R&X Energy Technology Co., Ltd
199 Ruixing Road, Economic and Technological Development Zone, Nantong Jiangsu China

Manufacturer: Nantong R&X Energy Technology Co., Ltd
199 Ruixing Road, Economic and Technological Development Zone, Nantong Jiangsu China

EUT: wind turbine

Brand Name: JSRX ZXX

Model Number: Vertical Axis Wind Turbine RX 100W-500KW
Horizontal Axis Wind Turbine RX 100W-500KW,
Permanent Magnet Generator RX 100W-800KW

Test Standard: EN ISO 12100: 2010
EN 60204-1:2018

Applicant: Nantong R&X Energy Technology Co., Ltd
199 Ruixing Road, Economic and Technological Development Zone, Nantong Jiangsu China

Manufacturer: Nantong R&X Energy Technology Co., Ltd
199 Ruixing Road, Economic and Technological Development Zone, Nantong Jiangsu China

Product: wind turbine

Trade Mark: JSRX ZXX

Model No.: Vertical Axis Wind Turbine RX 100W-500KW
Horizontal Axis Wind Turbine RX 100W-500KW,
Permanent Magnet Generator RX 100W-800KW

Test Standard: IEC62321-1:2013; IEC62321-3-1:2013; IEC62321-4:2013+A1:2017;
IEC62321-5:2013; IEC62321-6:2015; IEC62321-7-1:2015;
IEC62321-7-2:2017; IEC62321-8:2017

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2014/35/EU and MD Directive 2006/42/EC. It is possible to use CE marking to demonstrate the compliance with this LVD directive and MD Directive. It is only valid in connection with the test report number: DL-20230227001S.

The EUT described above has been consolidated by us and found in compliance with the council RoHS directive 2011/65/EU its amendment Directive EU 2015/863. It is possible to use RoHS marking to demonstrate the compliance with this RoHS Directive. It is only valid in connection with the test report number: DL-20230227006R.



This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Without the written approval, It is not permitted to use the test lab's logo.

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Without the written approval, It is not permitted to use the test lab's logo.

Shenzhen DL Testing Technology Co., Ltd.
101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China
Web: www.dl-cert.com E-mail: Service@dl-cert.com Tel: 400-688-3552

Shenzhen DL Testing Technology Co., Ltd.
101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China
Web: www.dl-cert.com E-mail: Service@dl-cert.com Tel: 400-688-3552

