

## CE And ROSH Certification



**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.



# Horizontal Wind Turbine Generator

What is the advantage of horizontal wind turbine?

- 1. Higher Power Output:** Horizontal wind turbines have a larger blade and rotor radius, which allows them to generate more power compared to vertical wind turbines.
- 2. Lower Cost:** Horizontal-axis wind turbines are much more widely used and mass-produced, which leads to lower manufacturing costs.
- 3. Compatibility with existing infrastructure:** Horizontal-axis turbines are more easily integrated into existing power grids and infrastructure since they generate power in the same way as traditional power plants.
- 4. Simpler Maintenance:** Horizontal-axis wind turbines have a simpler design and require less maintenance when compared to vertical-axis turbines.

Overall, horizontal wind turbines provide greater efficiency, power output, and lower maintenance costs, making them a more cost-effective and practical option for widespread deployment.

## M-Series

Model	RX-1000M	RX-1200M	RX-1500M	RX-2000M	RX-3000M
Rated Power	1000W	1200W	1500W	2000W	3000W
Max Power	1050W	1500W	2000W	2500W	3500W
Blades Length	900mm	950mm	1000mm	1080mm	1150mm
Wheel Diameter	1830mm	1950mm	2100mm	2300mm	2400mm
Blades Quantity	3	3	3	3	3
Rated Voltage	24/48V	24/48/96V	24/48/96V	24V-120V	48V-120V
Start Up Speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Rated Speed	12m/s	12m/s	12m/s	12m/s	12m/s
Cut-in Speed	3m/s	3m/s	3m/s	3m/s	3m/s
Survival Speed	45m/s	45m/s	45m/s	45m/s	45m/s
Blades Material	Nylon fiber				
Generator Type	Three Phase Permanent Magnet Generator				
Working Temperature	-80°C~+80°C				
Protection Level	IP54				
Working environment humidness	≤90%				
Altitude	≤4500m				
Tower Type	Guyed Cable Tower				
Overload Protection	Electromagnetic Brake				



Rated Speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
Cut-in Speed	3m/s	3m/s	3m/s	3m/s	3m/s	3m/s
Survival Speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s
Blades Material	Glass fiber					
Generator Type	Three Phase Permanent Magnet Generator					
Working Temperature	-80°C~+80°C					
Protection Level	IP54					
Working environment humidness	≤90%					
Altitude	≤4500m					
Tower Type	Guyed Cable Tower					
Overload Protection	Electromagnetic Brake					
Gross Weight	50kg	55kg	60kg	120kg	165kg	180kg
Packing List(cm)	30*70*52 31*30*135	30*70*52 31*30*149	67*47*23 162*26*26	75*37*36 78*54*6 177*29*30	244*57*52	70*35*35 200*27*27

Real photo



## G-Series

Model	RX-4KG	RX-5KG	RX-7KG	RX-10KG	RX-15KG	RX-20KG
Rated Power	4KW	5KW	7KW	10KW	15KW	20KW
Max Power	5KW	6KW	8KW	12KW	17KW	23KW
Blades Length	2.4m	2.6m	2.8m	2.78m	2.95m	3.1m
Wheel Diameter	4.9m	5.4m	5.8m	5.85m	6.3m	6.4m

Blades Quantity	3	3	3	3	3	3
Rated Voltage	96-380V	120-380V	96~380V	120~380V	220~380V	220~380V
Start Up Speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Rated Speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
Cut-in Speed	3m/s	3m/s	3m/s	3m/s	3m/s	3m/s
Survival Speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s
Blades Material	Glass fiber					
Generator Type	Three Phase Permanent Magnet Generator					
Working Temperature	-80°C~+80°C					
Protection Level	IP54					
Working environment humidness	≤90%					
Altitude	≤4500m					
Tower Type	Guyed Cable Tower					
Gross Weight	240kg	280kg	314kg	550kg	620kg	780kg
Packing List(cm)	244*57*52	105*54*61 274*32*37 82*113*6	97*53*65 301*42*49 97*67*7	50*50*45cm 52*90*46cm 310*33*36cm 90*90*6cm	50*50*48 52*90*55 320*40*36 90*90*6	110*60*54 323*55*65 62*123*5



Model	RX-25KG	RX-30KG	RX-40KG	RX-50KG
Rated Power	25KW	30KW	40KW	50KW
Max Power	27KW	35KW	45KW	55KW
Blades Length	3.5m	3.9m	4.5m	5.8m
Wheel Diameter	7.2m	7.9m	9.5m	11.82m
Blades Quantity	3	3	3	3
Rated Voltage	220~380V	220~380V	220~380V	220~480V
Start Up Speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Rated Speed	12m/s	12m/s	12m/s	12m/s
Cut-in Speed	3m/s	3m/s	3m/s	3m/s
Survival Speed	45m/s	45m/s	45m/s	45m/s
Blades Material	Glass fiber			
Generator Type	Three Phase Permanent Magnet Generator			
Working Temperature	-80°C~+80°C			
Protection Level	IP54			
Working environment humidness	≤90%			
Altitude	≤4500m			
Tower Type	Guyed Cable Tower			
Gross Weight	820kg	997kg	1030kg	1250kg
Packing List(cm)	132*87*73 112*116*6 390*56*57	138*72*96 395*55*50 145*122*5 65*65*32	147*72*96 461*55*62 145*122*5 65*65*32	156*72*96 591*55*62 145*122*5 65*65*32

Real photo



# DK-Series

Model	RX-15DK	RX-20DK	RX-30DK	RX-40DK	RX-45DK	RX-50DK
Rated Power	15KW	20KW	30KW	40KW	45KW	50KW
Max Power	20KW	25KW	35KW	45KW	50KW	55KW
Blades Length	3.2m	3.5m	3.8m	4.5m	4.9m	5.8m
Wheel Diameter	6.7m	7.5m	8.0m	9.5m	10.3m	12.0m
Blades Quantity	3	3	3	3	3	3
Rated Voltage	120V-480V	120V-480V	120V-480V	120V-480V	120V-480V	120V-480V
Start Up Speed	3m/s	3m/s	3m/s	3m/s	3m/s	3m/s
Rated Speed	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s
Cut-in Speed	4m/s	4m/s	4m/s	4m/s	4m/s	4m/s
Survival Speed	40m/s	40m/s	40m/s	40m/s	40m/s	40m/s
Blades Material	Glass fiber					
Generator Type	Three Phase Permanent Magnet Generator					
Working Temperature	-80°C~+80°C					
Protection Level	IP54					
Working environment humidness	≤90%					
Altitude	≤4500m					
Tower Type	Guyed Cable Tower					
Overload Protection	Electrical control yaw protection					
Wind direction adjust	Electronic yawning					
Gross Weight	1.0 ton	1.5 ton	2.0 ton	2.5 ton	3.0 ton	3.5 ton

Model	RX-70DK	RX-100DK	RX-150DK	RX-200DK	RX-250DK	RX-300DK	RX-500DK
Rated Power	70KW	100KW	150KW	200KW	250KW	300KW	500KW
Max Power	75KW	120KW	170KW	230KW	280KW	350KW	550KW
Blades Length	7.5m	8.5m	9.5m	10.5m	13.5m	15m	22m
Wheel Diameter	15.5m	17.5m	19.5m	21.5m	27.5m	31m	45m
Blades Quantity	3	3		3	3	3	3
Rated Voltage	120V-480V	120V-480V	220V-480V	20V-480V	220V-480V	220V-480V	220V-480V
Start Up Speed	3m/s	3m/s	3m/s	3m/s	3m/s	3m/s	3m/s
Rated Speed	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s
Cut-in Speed	4m/s	4m/s	4m/s	4m/s	4m/s	4m/s	4m/s
Survival Speed	40m/s	40m/s	40m/s	40m/s	40m/s	40m/s	40m/s
Blades Material	Glass fiber						
Generator Type	Three Phase Permanent Magnet Generator						
Working Temperature	-80°C~+80°C						
Protection Level	IP54						
Working environment humidness	≤90%						
Altitude	≤4500m						
Tower Type	Guyed Cable Tower						
Overload Protection	Electrical control yaw protection						
Wind direction adjust	Electronic yawning						
Gross Weight	4.0 ton	5.0 ton	6.0 ton	7.0 ton	8.0 ton	9.0 ton	10.0 ton
Real photo							

# Certification





## Certificate of Conformity

Certificate Number: DL-20230227001C

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

**Manufacturer:** Nantong R&X Energy Technology Co., Ltd  
199 Ruixiang 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-500KW

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

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





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

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## Certificate of Conformity

Certificate Number: DL-20230227006C

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

**Manufacturer:** Nantong R&X Energy Technology Co., Ltd  
199 Ruixiang 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-500KW

**Test Standard:** IEC62321-1:2013; IEC62321-3-1:2013; IEC62321-4:2013+A1:2017;  
IEC62321-5:2013; IEC62321-6:2016; IEC62321-7-1:2016;  
IEC62321-7-2:2017; IEC62321-8:2017

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 individual sample(s) of the above mentioned product. It does not imply an assessment of the whole product and material. Without the written approval, it is not permitted to use the mark's logo.

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