

### **Model: EX-1570**

### **Applicable scenarios**





Border Posts

Monitoring Lighting





Base Station Power



Landscape Lighting

## **Advantages**



More energy output



Return on Investment



Max working wind speed



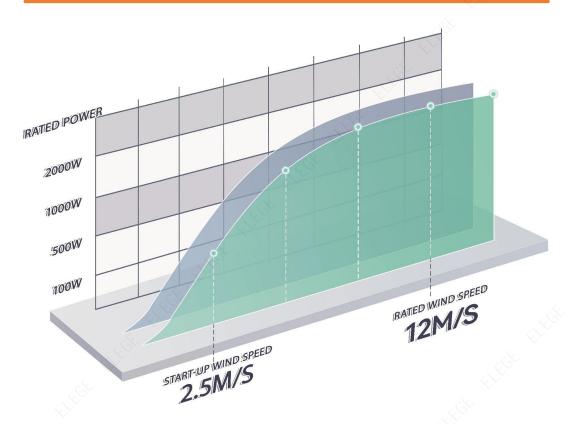
Safety wind speed

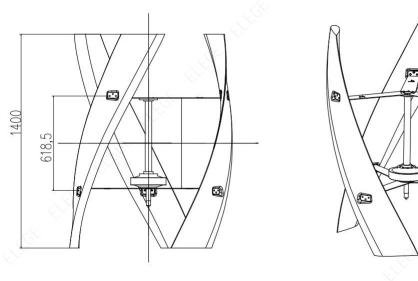
### **Technical specification**

- The blades are made of fiberglass composite materials, which are lighter and wider than their peers and more aerodynamic.
- The imported structural adhesive used for blade assembly is more seamless.
- All X Models are equipped with a middle wind drum as a standard, which is more conducive to starting at low wind speeds and using in breeze environments.
- The X type has higher power generation efficiency than the others, such as H and S, because the H type is a lift type, the S type is a drag type, and the X type is a hybrid type (lift + drag). At the same wind speed, the torque is higher. More suitable for low wind speed environments.
- Salt spray resistance test for 24 hours, customized hardware is more suitable, and vibration noise is reduced.

Model	EX-500W	EX-1000W		
Rated power	500W	1000W		
Maximum power	550W	1000W		
Rated voltage	12/24V/48V	12V/24V/48V		
Start-up wind speed	2.5 m/s	2.5 m/s		
Rated wind speed	12m/s	12m/s		
Cut-in wind speed	3.5m/s	3.5m/s		
Number of blades	3 pieces			
Body material	Composite fiberglass material			
Generator	Coreless Disc Generator			
Control system	electromagnetic brake			
Yaw mode	automatic windward angle			
Lubrication mode	self lubrication			
Tower form	guyed tower/independent tower			
Working temperature	-40~+80°C			

# **Power Curve**



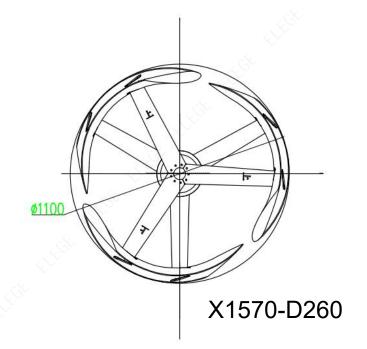


# **Sound Data**

Test position: At 15m away from generator (average value of 3 point-rears, left, right)

		` 0	<u>-</u>			
Wind Speed (m/s)	2	3	4	5	6	7
Willia Opeca (III/3)		J	7 ()	3	U	'
Sound( dB )	1	1.33	2.45	4.92	7.11	11.30
Wind Speed (m/s)	8	9	10	11	12	13
Sound( dB )	19.33	23.55	26.43	28.45	30.33	32.45

Note: The sound value includes wind noise.





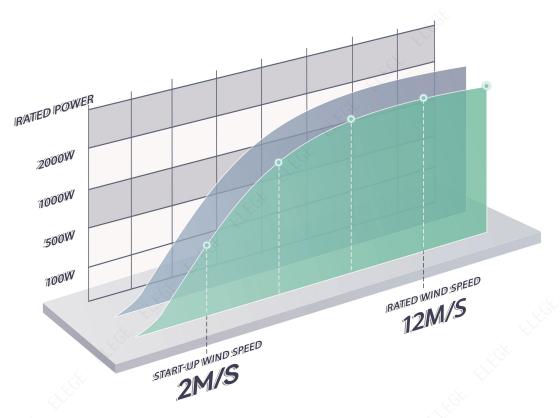
### Model: EV

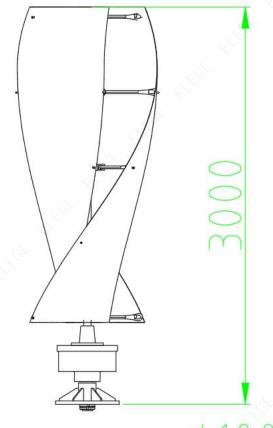
- The blades are made of different thicknesses according to aerodynamics, made of fiberglass composite materials and nano-coated. The edges are thin and the inside is thick, so it is not easy to break during assembly.
- Rich color options and customized logos.
- Very bird-friendly.
- Stable power generation at low wind speeds.
- 24-hour salt spray test, customized hardware is more suitable, reducing vibration and noise.
- Perfect match for solar off-grid systems and all batteries.
- Longer service life.

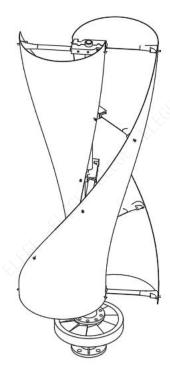
### **Technical specification**

			<u> </u>	
Model	EV-500W	EV-1000W	EV-1500W	EV-2000W
Rated power	500W	1000W	1500W	2000W
Maximum power	550W	1100W	1650W	2200W
Rated voltage	12/24V	12/24V	12/24/48V	24-220V
Start-up wind speed	2 m/s	2 m/s	2 m/s	2 m/s
Rated 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
Number of blades	2 pieces			
Body material	glass/basalt			
Generator	Coreless 3 phase AC generator			
Control system	Electromagnet			
Yaw mode	automatic windward angle			
Lubrication mode	self lubrication			
Tower form	guyed tower/independent tower			
Working temperature	-40~+80°C			

# **Power Curve**





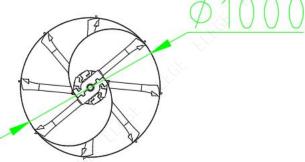


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## Wind turbine installation process and engineering display

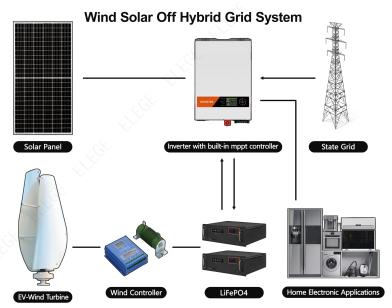












### Institutional test report & certification

#### CERTIFICATE OF CONFORMITY

Certificate No.: KEYS241204046001LD-01

FLEGE NEW ENERGY (ZHANG.IIAGANG) CO. LTD F5, Building8, changshunchuanggu, jinfeng, Zhangjiagang 215625, China ELEGE NEW ENERGY (ZHANGJIAGANG) CO.,LTD

Address FLEGE

ELEGE-S/V/L/H/R, Vertical wind turbine system 100W-500KW

Horizontal wind turbine system 100W-500KW

The standard(s) used for showing compliance with the essential requ

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F5, Building8, changshunchuanggu, jinfeng, Zhangji

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Wind Turbine System

Horizontal wind turbine system 100W-500KW

report:KEYS241204046001EM-02.

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Elege New Energy (Zhangjiagang) Co., Ltd, is mainly engaged in 100W-200KW wind turbines, wind turbines for street lighting, vertical axis wind turbines, horizontal axis wind turbines, wind and solar hybrid street lighting systems, new energy field monitoring systems, decentralized household power supply systems, scenic lighting systems, etc. One-stop service.

It has strong competitive advantages in product quality, technical support, and after-sales service. Products are exported to Europe, America, the Middle East, Southeast Asia and other regions, and are deeply affirmed and trusted by customers.

We always adhere to the concept of "integrity, development, innovation", and hope to cooperate with domestic and foreign customers for a win-win situation.