

## WIND TURBINE SERIES

### 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 a 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



EL-H1



EL-H2



EL-H3



EL-H4

Model	EL-H1-800W	EL-H2-1000W	EL-H3-2000W	EL-H4-5000W
Rated power	800W	1000W	2000W	5000W
Maximum power	850W	1500W	2500W	6000W
Rated voltage	12V/24V	12V/24V/48V	24V/48V/96V/220V	24V/48V/96V/220V
Start-up wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s
Rated wind speed	13m/s	13m/s	13m/s	13m/s
Survival wind speed	40m/s	40m/s	45m/s	45m/s
Number of blades	3/5 pieces			
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			