



***Aeolos-H 30KW***



***Aeolos wind turbine  
SINCE 1986***

windturbinestar.com



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**TURBINE**

Rated power 30 kw  
 Start wind speed 3 m/s  
 Cut-in wind speed 3.0 m/s (6.7 mph)  
 Cut-out wind speed 25 m/s (55.9 mph)  
 Survival wind speed 45 m/s (100.7 mph)  
 Design lifetime 30 years  
 Overall weight 1380 kg (3042.3 lbs) including generator and blades

**ROTOR**

Rotor diameter 12.5m (41 ft)  
 swept area 122.6m<sup>2</sup> (1319.6ft<sup>2</sup>)  
 Rotor speed 100 rpm  
 Blade material Glass fiber

**GENERATOR**

Frequency 50 Hz or 60 Hz  
 Voltage 320-480V  
 Type Three Phase Permanent magnetic generator  
 Generator efficiency >0.85

**CONTROL&SAFETY SYSTEM**

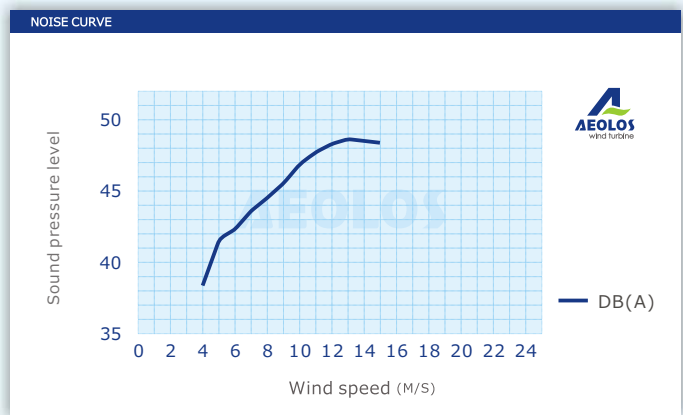
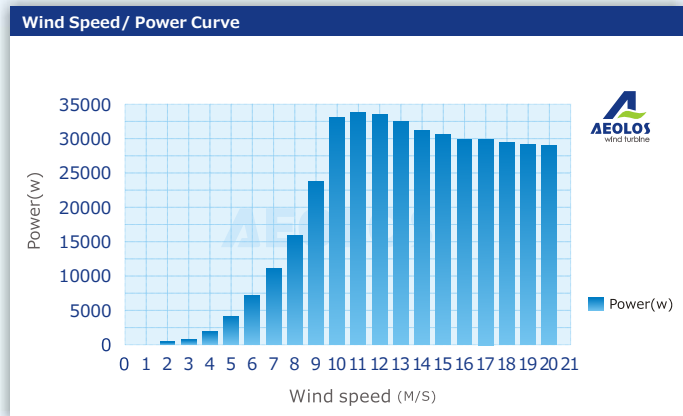
Main brake system Automatic protection brake system  
 Secondary safety hydraulic brake system

**TOWERS**

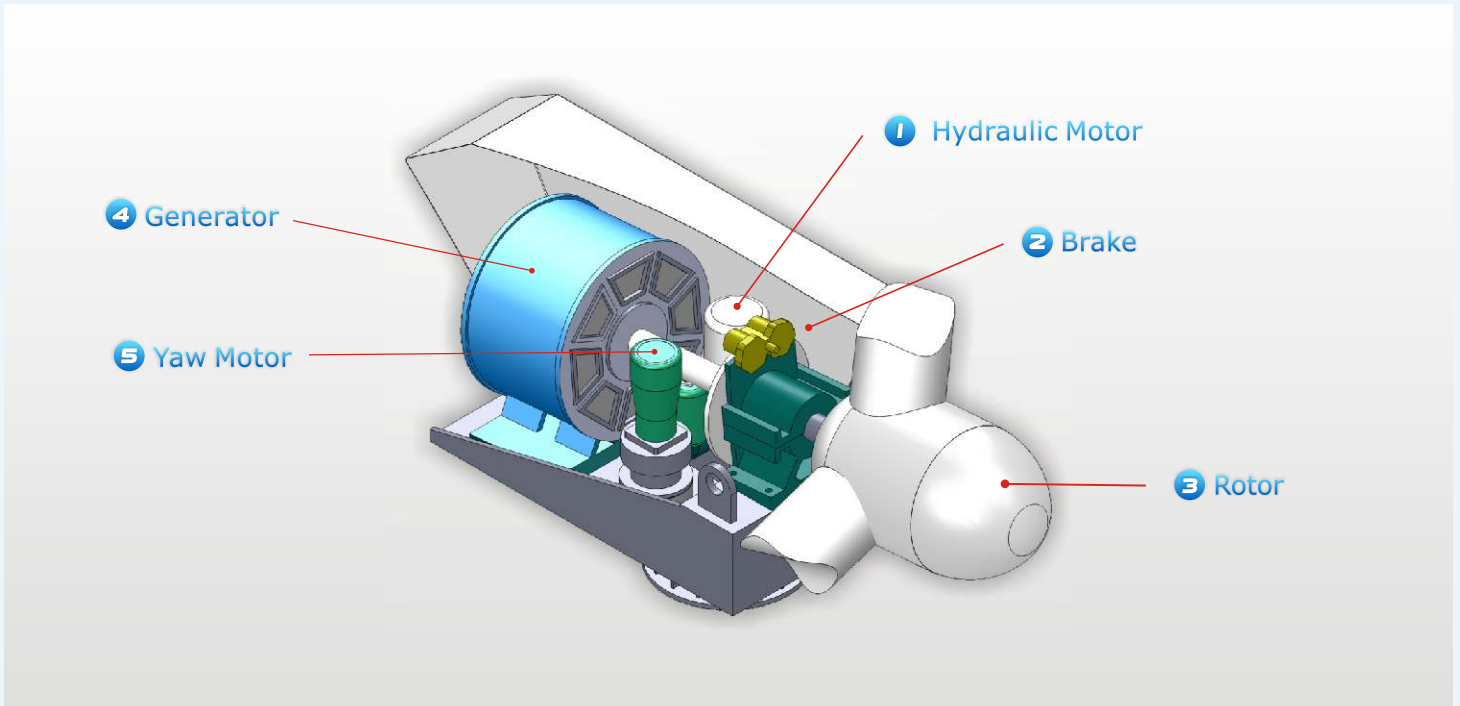
Free standing tower 18m or 24m

**WARRANTY**

Standard warranty 5 years  
 extended warranty 10 years



Aeolos-H 30kW Wind Turbine Output								
Wind Speed(m/s)	3	4	5	6	7	8	9	10
Generator Power(w)	754	2157	4258	7367	11651	16353	23307	33018
Annual Energy Output(kwh)	6609	18894	37302	64535	102065	143253	204172	289240



## WHY CHOOSE US ?

### 12.5m Rotor Diameter

Aeolos H- 30kw wind turbine has the largest swept area in 30kw wind turbines. It could capture more wind energy in the same wind speed.

### Directive Drive Generator

Aeolos H - 30kw used patent directive drive generator , no gearbox or booster device. This directive drive design will avoid the potential problems in gearbox and make the turbine more reliable.

### Low RPM Design

AeolosH -30kw rated rotor speed is 100RPM. Low RPM will bring the low noise level and fewer loads to blades.

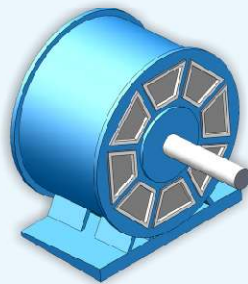
### Dual brake system

Aeolos H-30kw wind turbine has the hydraulic brake system and electronic brake system. They will effectively protect the wind turbine in high wind speed.



### Blades:

Aeolos H 30kw blades were made by vacuum infusion molding process that will ensure the best strength and quality.



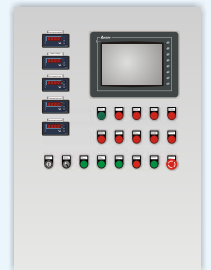
### Generator:

Aeolos H 30kw generator is a patent low speed directive drive generator. Ensure the good performance of Aeolos 30kw in reliability, low noisy and output efficiency.



### Controller & Inverter:

Aeolos built a good cooperation with ABB. ABB provided the OEM controller & inverter for Aeolos H 30kw wind turbine.



**5 YEAR WARRANTY**

