



## ***Aeolos-H 5kW***

*Aeolos wind turbine  
SINCE 1986*



***Pitch Control System***

**AEOLOS**



# Aeolos H-5kW

Windturbinestar.com



## TURBINE

Rated power 5 kW  
 Max power 6.5 kW  
 Start up wind speed 2.5 m/s (5.6 mph)  
 Rated wind speed 11 m/s (24.6 mph)  
 Survival wind speed 59.5 m/s (133.0 mph)  
 Design lifetime 20 years  
 Overall weight 400 kg (881.8 lbs)

## ROTOR

Rotor diameter 5.6 m (18.4 ft)  
 Swept area 24.6 m<sup>2</sup> (264.8 ft<sup>2</sup>)  
 Rotor speed 240 RPM  
 Blade material Fiber Glass

## GENERATOR

Drive type Direct Drive (without gearbox)  
 Generator type Three phase PMG  
 Generator voltage 96Vdc/48Vdc(Grid off)  
 400Vdc(Grid on)  
 Efficiency 90%

## CONTROLLER

Control system PLC controller  
 Remote monitoring Optional

## SAFETY

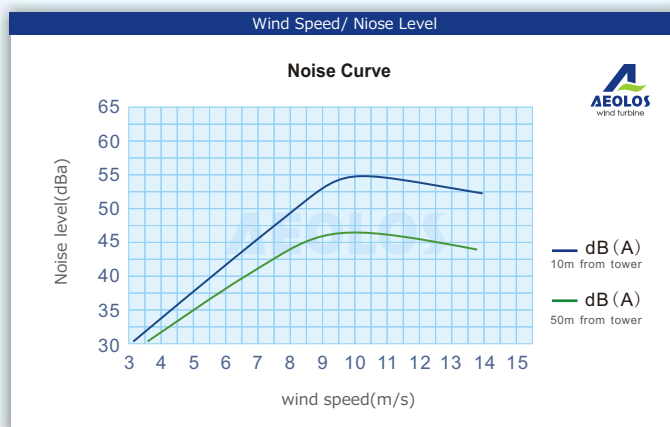
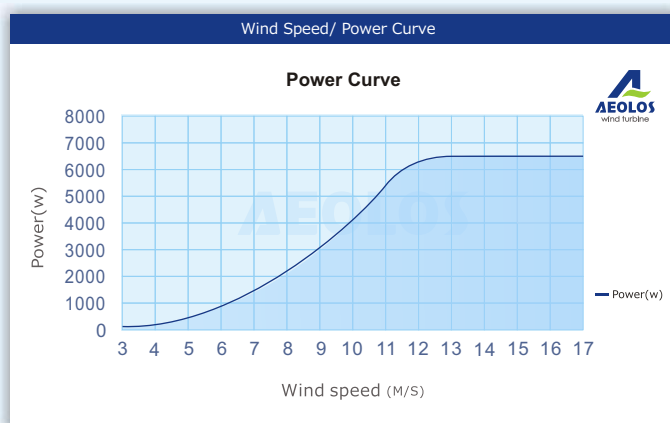
Main brake system Pitch control & Electrical control  
 Secondary brake system Mechanical brake

## TOWER

Monopole tower 9m 12m 18m  
 Hydraulic tower 9m 12m 18m

## WARRANTY

Standard warranty 5 years



Aeolos H-5kW Wind turbine output										
Wind speed (m/s)	3	4	5	6	7	8	9	10	11	
Out put power (W)	108	256	500	864	1371	2047	2914	3998	5321	
Annual energy output (kWh)	1596	3879	7445	11967	16847	21590	25924	29747	33055	