



## ***Aeolos-H 500W***



*Aeolos wind turbine  
SINCE 1986*



**Aeolos-H 500W**  
windturbinestar.com

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**TURBINE**

Rated power 500w  
 Start wind speed 2.0m/s  
 Cut-in wind speed 2.2 m/s (4.9 mph)  
 Cut-out wind speed 18 m/s (40.3 mph)  
 Survival wind speed 55 m/s (123 mph)  
 Design lifetime 25 years  
 Overall weight 19.7kg (43.4 lbs) including generator and blades

**ROTOR**

Rotor diameter 1.7 m (5.6 ft)  
 Swept area 2.3m<sup>2</sup> (24.4 ft<sup>2</sup>)  
 Rotor speed 470rpm  
 Blade material PA66

**GENERATOR**

Frequency 63 Hz  
 Voltage 28V  
 Type Three Phase Permanent magnetic generator  
 Generator efficiency >0.85

**CONTROL & SAFETY SYSTEM**

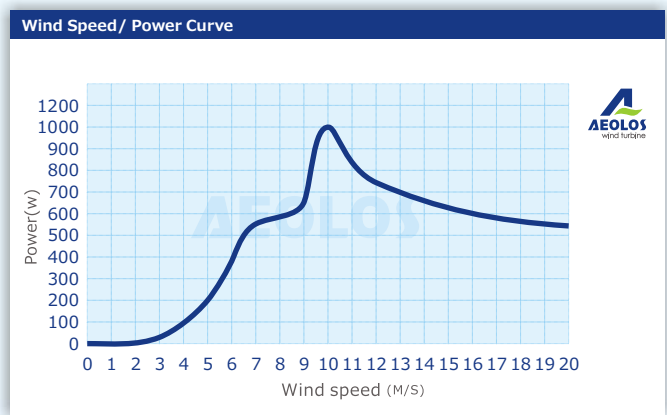
Main brake system Automatic protection brake system  
 Secondary safety system Electronic brake system

**TOWERS**

Free standing tower 9 m

**WARRANTY**

Standard warranty 5 years  
 extended warranty 10 years



Aeolos-H 500W Wind Turbine Output								
Wind Speed(m/s)	3	4	5	6	7	8	9	10
Generator Power(w)	30	100	200	400	550	600	650	1000
Annual Energy Output(kwh)	263	876	1752	3504	4818	5256	5694	8760

**5 YEAR WARRANTY**

