



Aeolos-H 2KW



***Aeolos wind turbine
SINCE 1986***



Aeolos-H 2KW

windturbinestar.com



TURBINE

Rated power 2 kW
 Start wind speed 2.5 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 25 years
 Overall weight 125 kg (275.5 lbs) including generator and blades

ROTOR

Rotor diameter 4.0 m (13.1 ft)
 Rotor speed 250 rpm
 Blade material Glass fiber

GENERATOR

Frequency 50 Hz or 60 Hz (System Output)
 Voltage 96 VDC
 Type Three Phase Permanent magnetic generator
 Generator efficiency >0.96

CONTROL & SAFETY SYSTEM

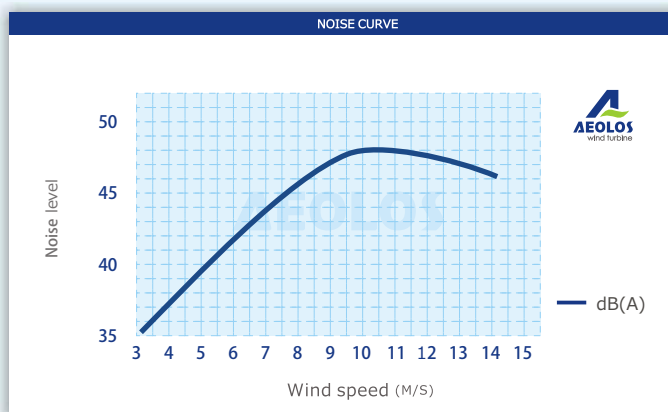
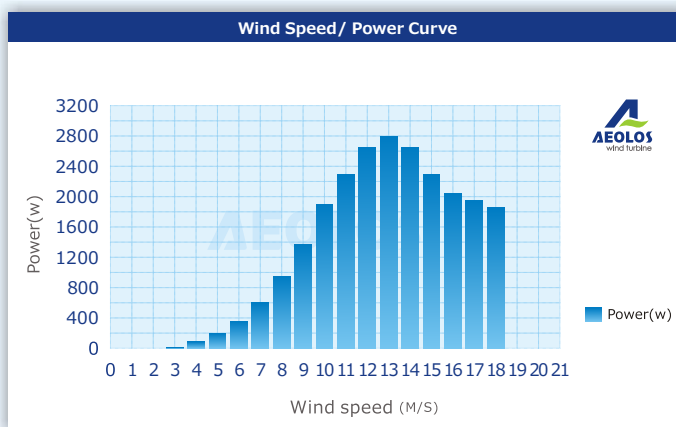
Power control Lateral deflection of the wind wheel
 Secondary safety system Electronic brake system

TOWERS

Free standing tower 9 m
 Guyed tower 12 m

WARRANTY

Standard warranty 5 years
 extended warranty 10 years



Aeolos-H 2kW Wind Turbine Output								
Wind Speed(m/s)	3	4	5	6	7	8	9	10
Generator Power(w)	35	90	200	365	600	930	1380	1890
Annual Energy Output(kWh)	613	1419	2978	5116	7884	11406	15715	19686

5 YEAR WARRANTY



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