



Aeolos-H IKW



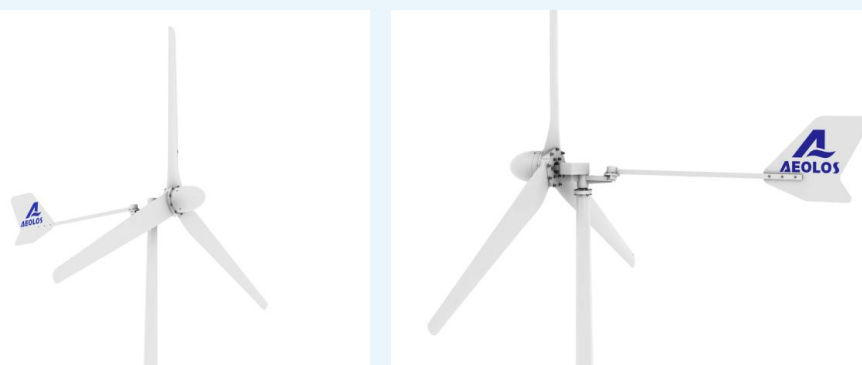
***Aeolos wind turbine
SINCE 1986***

windturbinestar.com



Aeolos-H 1kW

windturbinestar.com



TURBINE

Rated power	1 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	60 kg (132.3 lbs) including generator and blades

ROTOR

Rotor diameter	3.2 m (10.5 ft)
Rotor speed	350 rpm
Blade material	Glass fiber

GENERATOR

Frequency	50 Hz or 60 Hz (System Output)
Voltage	48 VDC
Type	Three phase permanent magnetic generator
Generator efficiency	> 0.96

CONTROL & SAFETY SYSTEM

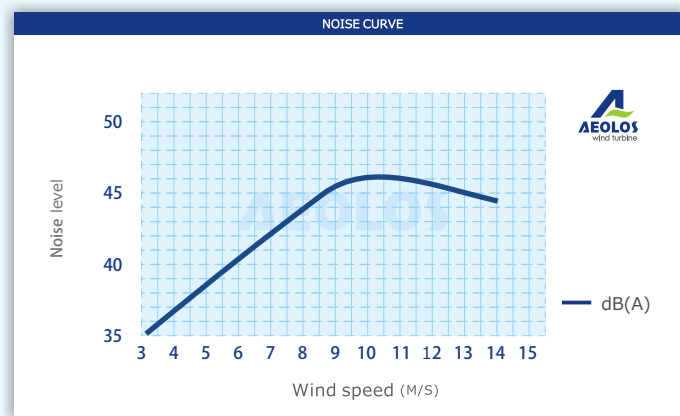
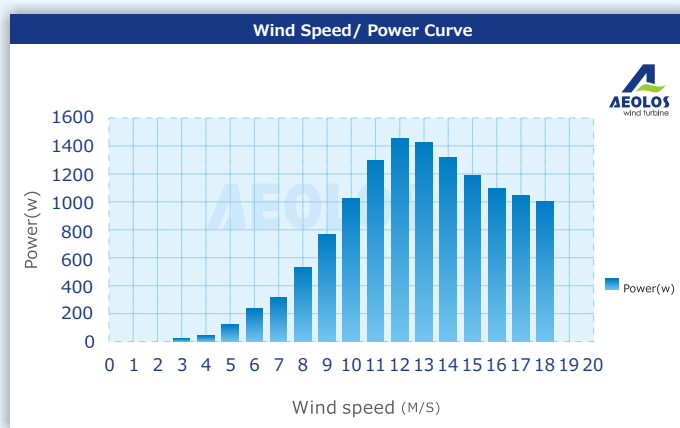
Power control	Lateral deflection of the wind wheel
Secondary safety system	Electronic brake system

TOWERS

Free standing tower	9 m
Guyed tower	9 m

WARRANTY

Standard warranty	5 years
extended warranty	10 years



Aeolos-H 1kW Wind Turbine Output								
Wind Speed(m/s)	3	4	5	6	7	8	9	10
Generator Power(w)	20	55	120	220	350	550	780	1020
Annual Energy Output(kWh)	350	867	1787	3084	4599	6745	8883	10722

5 YEAR WARRANTY



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