



Aeolos – H 10kW

*Aeolos wind turbine
SINCE 1986*



Pitch Control System

AEOLOS



Aeolos - H 10KW
windturbinestar.com



Turbine

Rated power 10 kW
 Max Power 11 kW
 Start up wind speed 2.5 m/s (5.6 mph)
 Rated Wind speed 10 m/s (22.3 mph)
 Survival wind speed 50 m/s (111.8 mph)
 Design lifetime 20 years
 Overall weight 720 kg (1587.3 lbs)

Rotor

Rotor diameter 7.5 m (24.6 ft)
 swept area 44.2 m² (145.0 ft²)
 Rotor speed 200 rpm
 Blade material Glass Fiber

Generator

Drive Type Direct Drive (Without Gearbox)
 Generator Type Three Phase PMG
 Generator Voltage 240 VDC (Grid-off)
 500 VDC (Grid-on)
 Efficiency 95%

Controller

Control System PLC Controller
 Remote Monitoring Optional

Safety

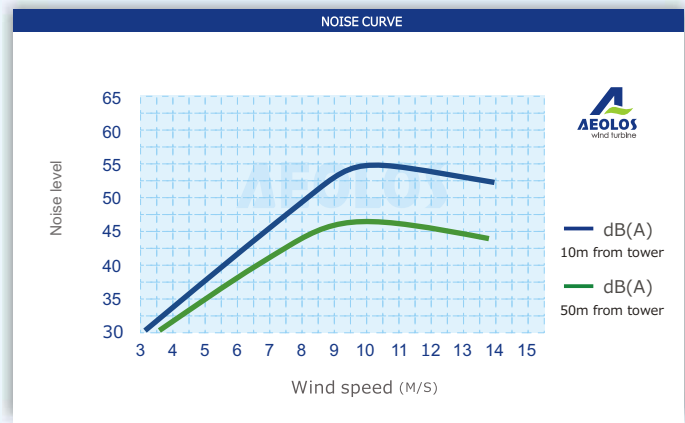
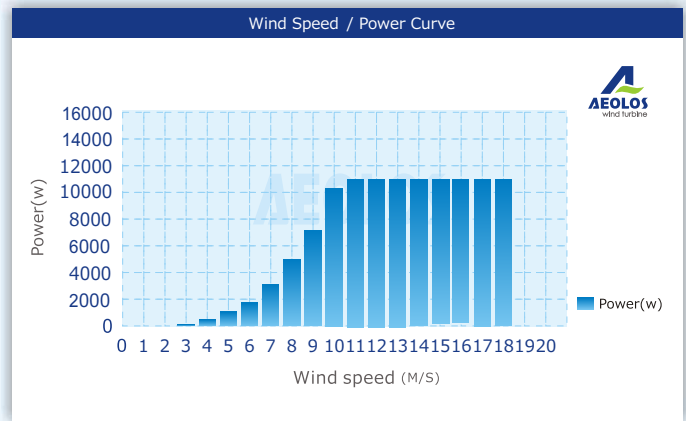
Main Brake System Pitch Control & Electronic Brake
 Secondary Brake System Mechanical Hydraulic Brake
 Back-up Power 24V UPS

Tower

Monopole Tower 12m 18m 24m 30m
 Hydraulic Tower 12m 18m 24m

Warranty

Standard warranty 5 years



Aeolos-H 10kW Wind Turbine Output								
Wind Speed(m/s)	3	4	5	6	7	8	9	10
Generator Power(w)	198	485	1020	1850	3098	4852	7320	10080
Annual Energy Output(kwh)	3469	7647	15190	25930	40708	59505	83360	105961

5 YEAR WARRANTY

