



Aeolos-H 5KW



*Aeolos wind turbine
SINCE 1986*



Aeolos-H 5KW
windturbinestar.com



TURBINE

Rated power 5 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 20 years
 Overall weight 180kg (396.8 lbs)

ROTOR

Rotor diameter 6.4 m (21 ft)
 Rotor speed 200 rpm
 Blade material Glass fiber

GENERATOR

Frequency 50 Hz or 60 Hz
 Voltage 120V-260V
 Type Three Phase Permanent magnetic generator
 Generator efficiency >0.96

CONTROL & SAFETY SYSTEM

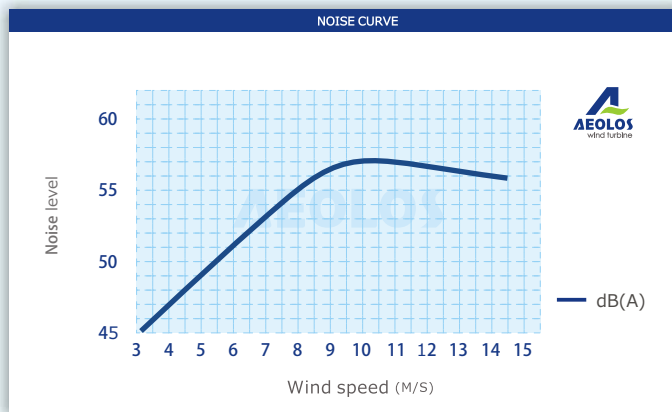
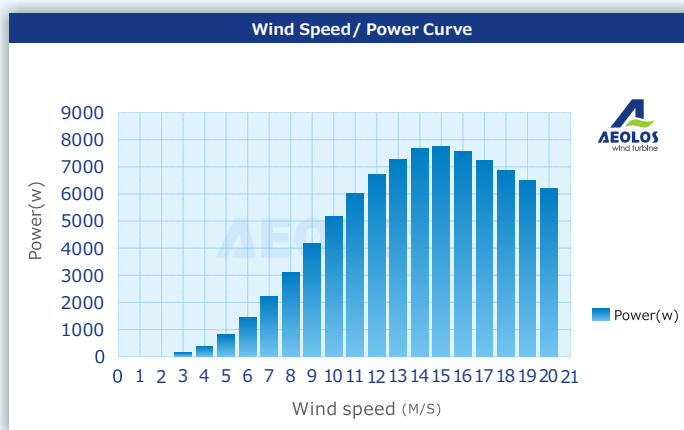
Main brake system Yaw and Electronic brake system
 Secondary safety system(Optional) Hydraulic brake system

TOWERS

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

WARRANTY

Standard warranty 5 years
 extended warranty 10 years



Wind Speed(m/s)	3	4	5	6	7	8	9	10
Generator Power(w)	170	460	930	1463	2210	3000	4100	5152
Annual Energy Output(kWh)	1489	4030	8147	12816	19360	26280	35916	45132

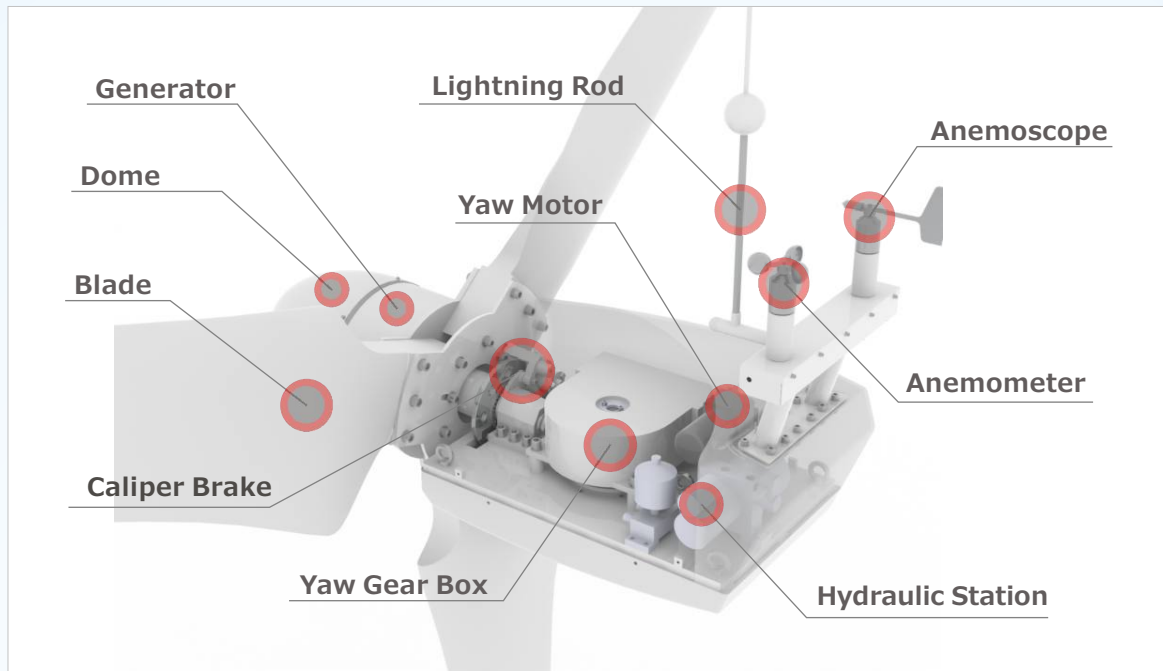
5 YEAR WARRANTY



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WHY CHOOSE US ?

High Efficiency

AEOLOS outer rotor generator has the better performance than the traditional generator with the 96% efficiency. The intelligent yaw control system ensure the more power output than the wind turbine with tail.



Free Maintenance

AEOLOS - H 5kW is the free maintenance design. Do not need the lubricant oil in the design life. We use NSK bearings and free maintenance yaw gear box.



Intelligence Control

AEOLOS use PLC control the whole system. You can remotely control the wind turbine by touch screen in your home.



Triple Protection

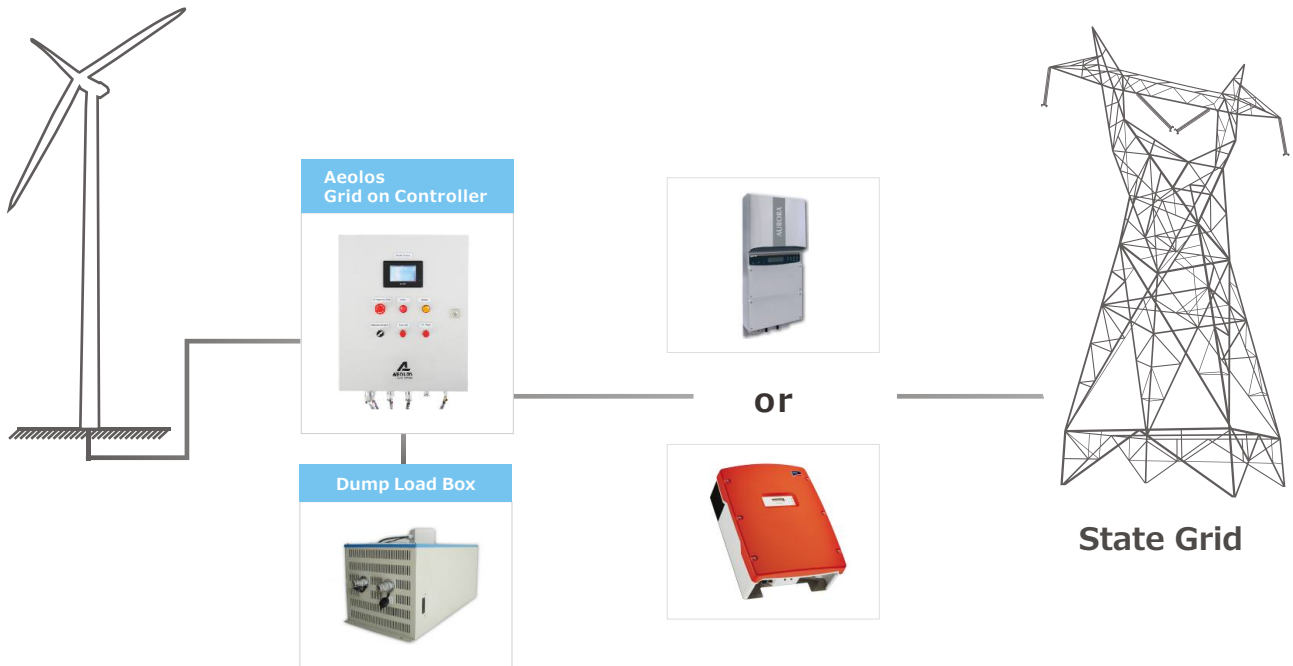
AEOLOS-H 5kW has triple protection for the safety. Yaw control, Dump load box and Hydraulic brake. They can protect or stop the wind turbine in over speed, over voltage and other faults.





Wire Diagram

Grid-on



Grid-off

