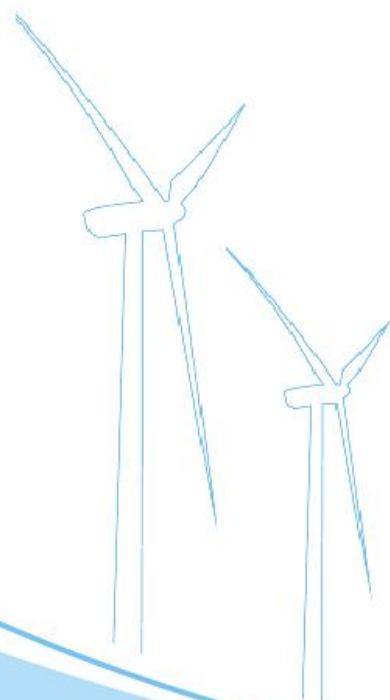


ecosolutionitalia

Soluzioni Energetiche Innovative



EOL-H 5 kW
wind turbine

www.ecosolutionitalia.it

EOLO-H 5 kW wind turbine



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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	180 kg (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 (System Output)
Voltage	216 VDC (Grid-off) 216 VDC (Grid-on)
Type	Three Phase Permanent magnetic generator
Generator efficiency	>0.96

CONTROL & SAFETY SYSTEM

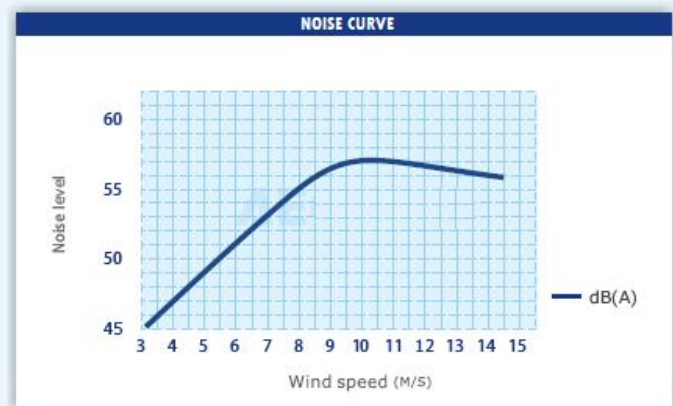
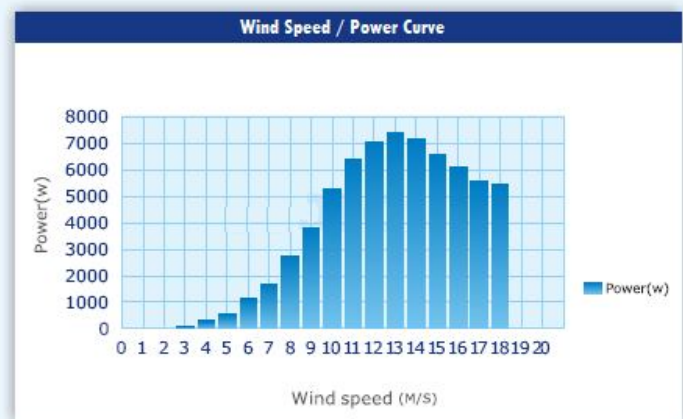
Main brake system	Yaw and Electronic brake system
Secondary safety system(Optional)	Hydraulic brake system

TOWERS

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

WARRANTY

Standard warranty	5 years
extended warranty	10 years



Eolo-H 5kW Wind Turbine Output								
Wind Speed(m/s)	3	4	5	6	7	8	9	10
Generator Power(w)	120	290	605	1068	1765	2760	3820	5250
Annual Energy Output(kWh)	2102	4573	9010	14969	23192	33849	43502	55188

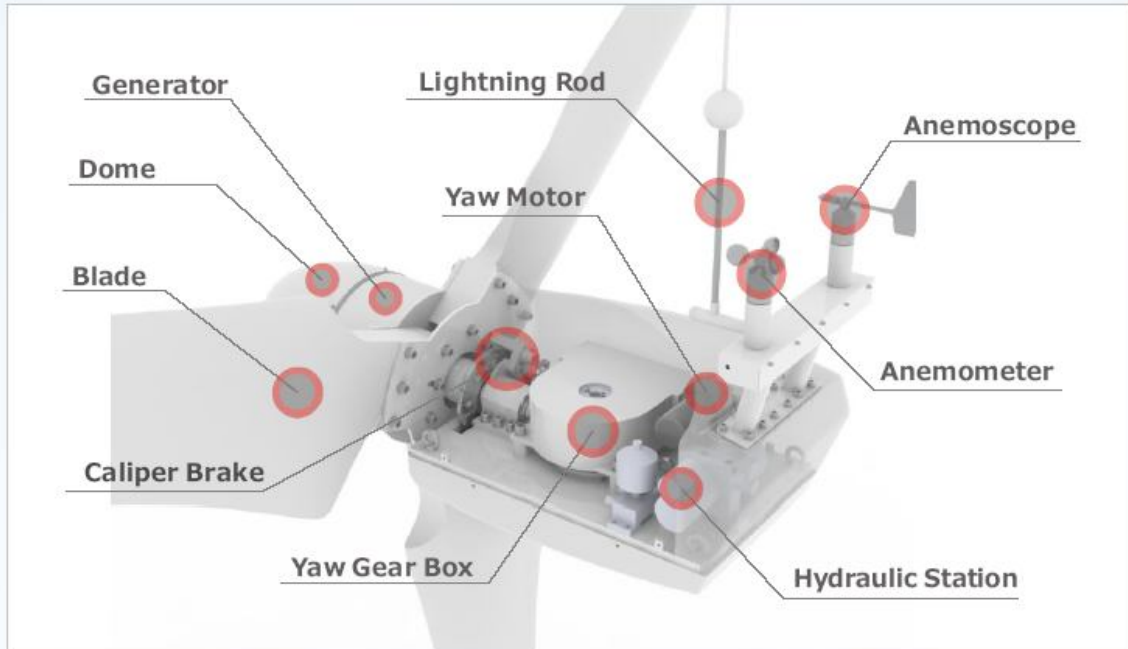
5 YEAR WARRANTY



EOLO-H 5 kW wind turbine

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WHY CHOOSE US ?

High Efficiency

EOLO 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

EOLO - 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

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



Triple Protection

EOLO - 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.



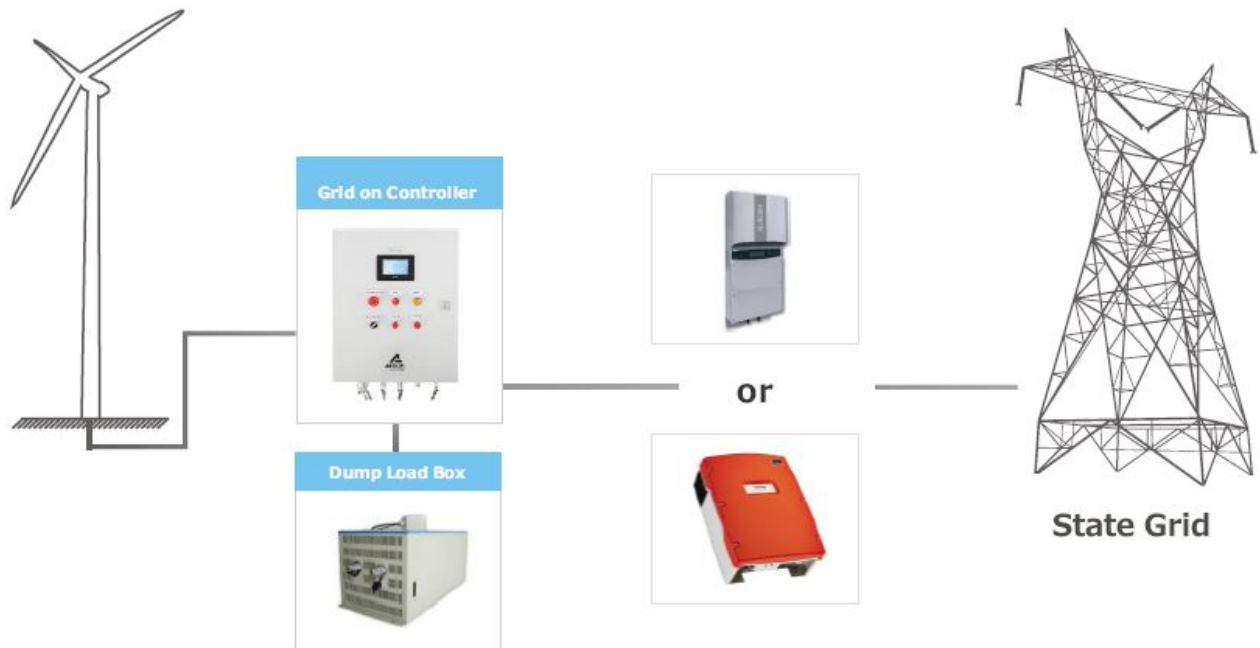
5 YEAR WARRANTY





Wire Diagram

Grid-on



Grid-off

