



WIND 4 Wind Turbine

The new wind turbine WIND 4 presents a new alternative of high performance wind converters in a World where the concept SUSTAINABLE is increasingly becoming more important.

DESCRIPTION:

- Blades of laminated carbon composite
- Stainless steel and aluminum casting
- Exclusive generator with NdFeB magnets
- Only two degrees of freedom. Low maintenance
- Active brake control system
- Safety mode in high winds
- MARINE type available
- Packing: 1200 x 45 x 30 cm (23 kg)

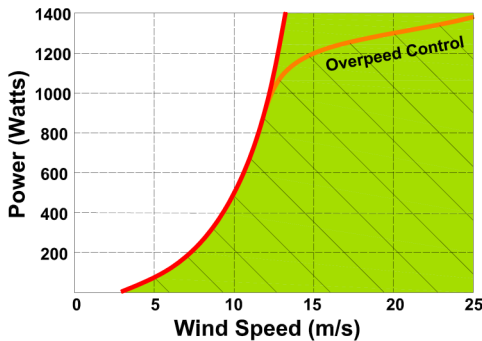
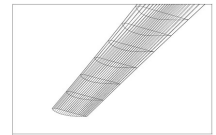
ESPECIFICATIONS:

Rated Power	1000 W
Rotor Diameter	2.1 m
Voltage	0 - 30 V A/C
Weight	17 Kg
Pole Diameter	60 mm (2 ")
Cut-in Wind Speed	3 m/s
Cut-off Wind Speed	25 m/s 15 m

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Many features of the WIND 4 1kW wind turbine are making this machine unique compared to other similar wind turbines. The usage of best technologies in permanent magnets, composite engineering, excellent aluminum qualities, stainless steel parts and build-in brake system, are an example of its outstanding construction. Additional advantages:

- Easy mounting and installation
- Low noise emissions as a result of an optimal blade design
- High efficiency at low wind speeds
- Low vibration emission
- Aluminum castings providing low weight, high resistance and good heat dissipation



The small wind turbines manufactured by EuroEner are designed using advanced engineering techniques in aeronautics and mechanical design. The WIND 4 1kW has been optimized to be the most versatile and efficient turbine of its category. It integrates two blades with truly airfoils turning at very high speed, a three phase permanent magnet generator and a integrated brake system improving the safety of the turbine.

The WIND 4 1kW turbines have been designed considering the standards of the multi-MW wind turbines adapted to the needs of a small energy producer/consumer. Their efficiency has been optimized using low loss mechanical coupling systems and a high speed rotor.

The WIND 4 1kW can be easily combined with a grid tie inverter to feed in the power in the low voltage grid or in non grid connected electrical systems to charge batteries or pump water.

Main applications:

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| Industry | Water pumping |
| Maritime | Rural development |
| Recreational | Domestic energy saving |

