

# NEW GENERATION

## WIND 4 Wind Turbine



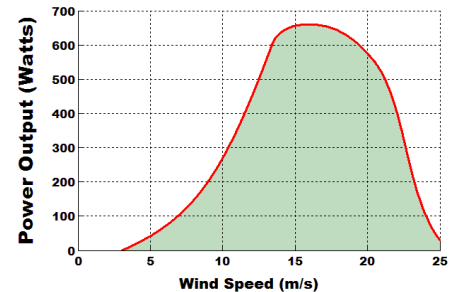
The new wind turbine WIND 4 presents a new alternative of high performance wind converters in a World where the concept SUSTAINABLE is increasingly becoming more important.

### DESCRIPTION:

- Blades of laminated carbon composite
- High quality aluminum casting
- Exclusive generator with NdFeB magnets
- Only two degrees of freedom. No maintenance
- Active brake control system
- Safety mode in high winds
- MARINE type available
- Packing: 80 x 45 x 25 cm ( 7.5 kg)

### ESPECIFICACIONES:

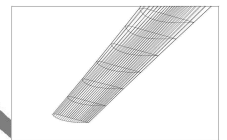
Rated Power	600 W
Rotor Diameter	1.36 m
Voltage	12 V / 24 V
Weight	5.75 Kg
Pole Diameter	48 mm (1 ½ ")
Cut-in Wind Speed	3 m/s
Cut-off Wind Speed	25 m/s



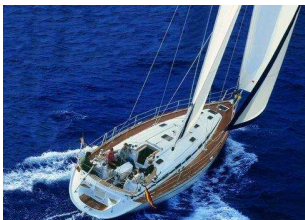
Many features of the WIND 4 wind turbine are making this machine unique compared to other similar wind turbines. The usage of best technologies in permanent magnets, composite engineering, excellent aluminum qualities, stainless steel parts and embedded control systems, are an example of its outstanding construction.

### Additional advantages:

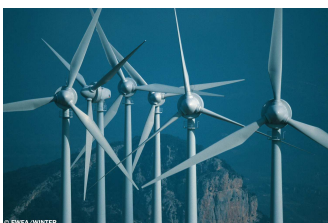
- Easy mounting and installation.
- Low noise emissions as a result of an optimal blade design.
- High efficiency at low wind speeds.
- Low vibration emission.
- Aluminum castings providing low weight, high resistance and good heat dissipation.
- Two blade sizes for a better site adaptability.



The small wind turbines manufactured by EUROENER are designed using advanced engineering techniques in aeronautics and mechanical design. The WIND 4 series have been optimized to be the most versatile and efficient turbine of its category. They have a three blade turbine with truly airfoils turning at very high speed, a three phase generator with permanent magnets and a embedded control system improving the performance of the turbine.



The WIND 4 wind 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 turbine.



The WIND 4 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:

- Industry
- Maritime
- Recreational
- Water pumping
- Rural development

www.euroener.com