

## A new generation of wind generator

we are pleased to present, in addition to the successful whispering blades „spb<sup>Ω</sup> -Silent Power Blades“, the appropriate, new designed wind generator **SILENTWIND 400**

**safe – quiet – efficient**



**The main advantages are:**

The Silentwind offers maximum safety and efficiency with minimum noise emission.

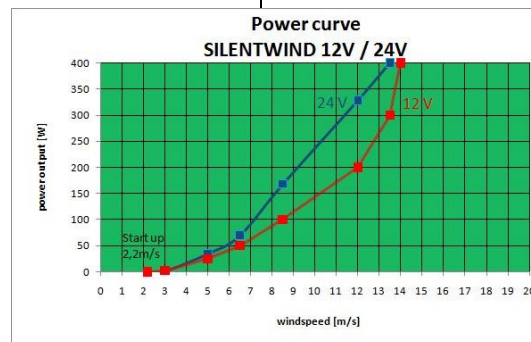
It is durable and requires little maintenance due to being equipped with high quality components.

External Hybrid-Charge Controller with Multi-Function Display for wind- and solar-energy.

Universal application for low-, middle- and high wind speeds.

## Technical Data

generator-type	permanent magnet, 3-phase AC
rated voltage	12 VDC or 24VDC
rated power output	400 Watt
rated windspeed	14m/s / 13,5 m/s
start-up windspeed	2,2 m/s
start-up charging	3 m/s
security check in the wind tunnel	122 km/h without any objections
rotor-diameter	1,15m
quantity of blades	3
weight of blade	140g / blade
rotor-blade material	CFK–handlaminated
rotation speed	12V: 480 – 1420 rpm 24V: 480 – 1390 rpm
weight of generator	6,8kg
packing dimension	740x370x220mm (Pack. weight: 9,8kg)
braking process	electronical + manual stopp-switch
hybrid charge controller with multi-function-display	
system voltage	12/24 VDC
max. power input windgenerator	600W / 30A
max. power input solar panel	150Wp / 10A



## Fields of application

**Off-grid application**

**Sailing boats**

**Charging station for electro-cars**

**Holiday homes**

**Wireless LAN – Access – Points**

**Research units**

**Projects in developing countries**

**Traffic management systems**

**Emergency systems**

**Street lamps**

**etc.**



## Quality features

- 3-phase brushless generator with a rated power of 400 Watt
- Weight only 6,8kg
- With handlaminated, UV-resistant carbonfiber (CFK) – rotorblades: successfully tested in the windtunnel at hurricane speed of 122 km/h, creating 5480 rpm with sonic velocity at the tips of the blades
- very good start-up performance due to a low cogging torque at 2,2m/s wind speed
- fast charging start-up at 3m/s
- universal application at low-, middle- and high wind speeds possible
- aerodynamic design from aircraft-engineering
- low noise emission
- durable and low maintenance due to external controller and high-quality components
- External Hybrid – Charge controller with LCD-Display for all relevant operational data as W, A, V, Ah, kWh and with the option to connect a 150Wp solarpanel is on the list of enclosed parts



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# **SILENTWIND**

## **12V / 24V**



The appropriate wind generator for  
the successful blue  
**whispering blades**

