

Windflower

A optimal wind turbine in a unique design



Windflower

The Wind flower is a direct consequence of years of deliberation and experimentation, and the result is an optimal wind turbine in a unique design – the most energy efficient in its size in the current market. The Wind flower is designed and manufactured in Sweden, it's simple yet innovative, with many features such as:

- » 5 wings which provide high torque
- » Extremely low-speed generator with 14 neodymium magnets
- » Rotor placed behind center of the mast, providing higher efficiency during turbulence
- » Rubber mounted generator for noise cancellation

They also result in the following advantages:

- » 20% more efficient than the market leader in the same size*
- » Works at very low wind velocity (1.5 m/s to start, 2.5 m/s to generate power)
- » Storm proof due to the design
- » Almost completely silent operation
- » Estimate life time operation of 25 years
- » More than one windflower can be connected in series to increase power
- » Compatible for rooftop installations

* - From one month test site data comparing Windflower to Windstar 1000

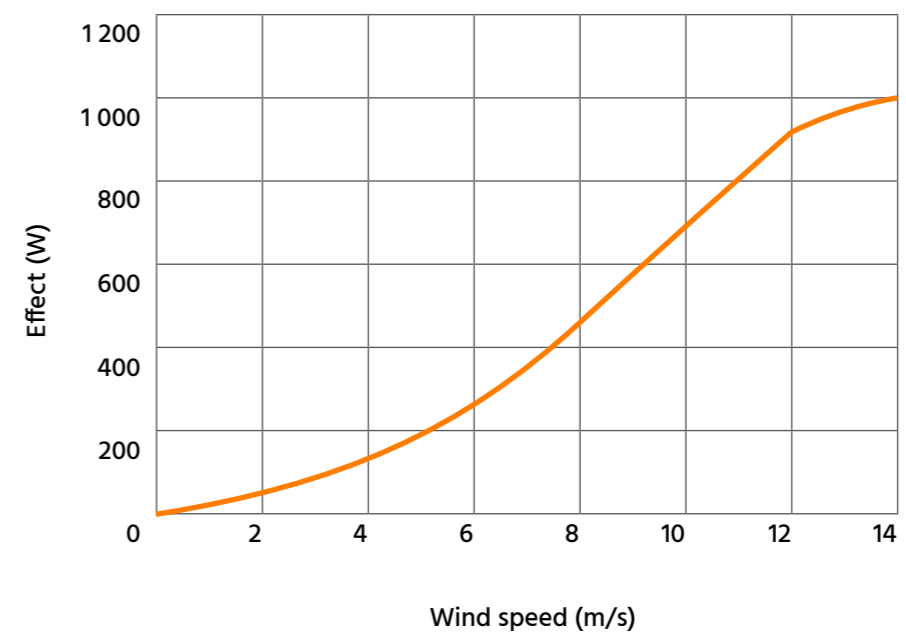


Technical information

Property	Value
Rotor diameter, m	2
Weight (net/gross), kg	28/32
Cut-in wind speed, m/s	2
Power Rating	1000 W at 12m/s
Max. Power output	1200 W at 14 m/s
Max. Permissible Wind, m/s	50
Voltage, V	24, 48 (DC)
Mounting diameter, mm	50

- » Generator with 14 neodymium magnets
- » Self – regulating rotor
- » Series connection possible with more windflowers
- » 230 volts on the grid
- » Sold as a kit of parts for easy assembly

Power Curve for the Windflower



Prices

Component	Price (SEK)
Windflower (24/48V)	29 500:-
» Off-grid package	44 400:-
» Windflower 48V	
» MPPT Controller	
» Dump load	
» On-grid package	46 000:-
» Windflower	
» MPPT Controller	
» Inverter	
» Dump load	
Separate Accessories	
Inverter	16 500:-
MPPT Controller	14 900:-
Mast (6 meter)	8 500:-
Mast (10,5 meter)	19 000:-

Kontakta ditt närmaste kontor eller besök www.gpbmindustry.com om du har några frågor.

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