

energy-age



wind<sup>®</sup>  
Ltd.&Co.KG

eightwind

The other

Generation

of

wind-power systems



energy-age-wind

**Data sheet 2,5kW - system**

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## 2,5 kW - systems

### eightwind EW 100/2,5

The figure shows our wind-power-system type eightwind EW 100/2,5 with a rated power of 2,5 KW. This type of system is adapted for areas with high wind speeds, because the design is identical to the 1 KW system and has been developed especially for the following fields of application:

- Energy generation for single occupancy houses and apartment building
- Hot water recovery from energy surplus
- Summer residences

#### Commercial utilization:

- Small office buildings
- Petrol stations
- Tennis halls
- On - top systems commercial parks

This type of system is delivered as a compact package. As a moveable good it can be assembled and installed in an easy way. One of the most effective alternatives in the segment of small wind-power-systems.

#### Power

Rated power	2,5 KW
Rated wind speed	12,5 m/s
Starting wind speed	1,5 m/s
Breaking wind speed	none
Surviving wind speed	55 m/s

#### Rotor

Cross section dimension	100 cm
Windload area	2,3 m <sup>2</sup>
Rotor faces	3
Rated rotation speed	180 rpm
Material	Alu/ PE/ plywood

#### Korpus

Height	2,30 m
Breadth	1,60 m
Depth	1,80 m
Material	Alu/ steel/ synthetics

#### Wind direction adjustment system

Yaw system	self-turning with vane
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## Actuation

Construction toothed belt disc and toothed belt

## Generator

Construction optionally synchron durable energised or asynchronous net conducted

Rated rotator speed 785 - 1100 rpm

Rated voltage 400 V - 600 V

rotection class IP 54

## Application for autartic electricity supply

Charge supply for indoor assembly 12 V/ 24 V/ 230 V

Protection class IP 33

Overplus generation hot water recovery

## Application with network supply

Network circuit engineering inverter

Type windyboy SMA

## Total weight/ total height

Total weight corpus 250 kg

Total height with tower from 4 m

## Total height with tower

Sound emissions natural wind sound

Optical characteristics no cast shadow, minor system height