

energy-age



wind[®]
Ltd.&Co.KG

eightwind

The other

Generation

of

wind-power systems



energy-age-wind

Data sheet 1kW - system

1 kW - systems

eightwind EW 80/1

The figure shows our wind-power-system type eightwind EW 80/1 with a rated power of 1 KW. The advantages could hardly be more considerable: Autarkic island solution in urban areas. This type of system has been developed especially for the following fields of **application**:

- Energy generation for single occupancy houses
- Hot water recovery from energy surplus
- Summer residences
- Waterpumps
- Sailing yacht/ motor yacht
- Camping



Commercial utilization:

- Cellular phone network towers
- Meteorological stations
- Observation wards

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	1 KW
Rated wind speed	9 m/s
Starting wind speed	1,5 m/s
Breaking wind speed	none
Surviving wind speed	55 m/s

Rotor

Cross section dimension	80 cm
Windload area	2,3 m ²
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

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

Protection class IP 54

Application for autartic electricity suppl

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

Feature

Sound emissions natural wind sound

Optical characteristics no cast shadow, minor system height