

## >> TECHNICAL SPECIFICATIONS

Rotor	
Diameter	6.20 m/6.80 m
Number of rotor blades	4
Position	Windward
Rated Speed	90/128 1/min
Design of blades	Steel/glass fiber
Design of hub	Rigid, solid steel
Drive Assembly	
Gear Unit Design	Spur gear, $i = 12,1$
Generator Type	Asynchronous, pole-changeable, two-stage
Generator Capacity Output	1.5/6.0 kW
Generator Operating Speed	1,080/1,550 1/min
Generator Rated Voltage	400 V, 3-phase, 50 HZ
Power Characteristics	
Capacity Output	6 kW
Cut-in wind speed	3 m/s
Rated wind speed	10.6 m/s
Cut-out wind speed	None (stormproof, passive pitch)
Control Systems	
Aerodynamical performance control	Passive blade pitch angle
Electrical performance control	Pole changing, electronically controlled
Yawing control	Wind vane
Safety Systems	
Aerodynamical	Blade pitch positioning
Mechanical	Disk brake, spring-loaded, electromechanically released/ventilated
Weights	
Total weight tower head	363 kg
Wired tower, two-piece, hub height 13m	Approx. 220 kg
Wired tower, three-piece, hub height 19m	Approx. 330 kg
Monotower	Approx. 1,700 kg
Steel root foundation	1,060 kg
Tower	
Design	Hot galvanised steel tube, braced on 4 sides or Monotower
Hub height	7 m (23ft), 13 m (42ft), 19 m (62ft)



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+ The first certified\*  
 small wind turbine in Germany.  
\*IEC 61400-2-SWT Class 1 since 2009

+ Produce your  
 own electricity  
 around the clock  
 all year long!



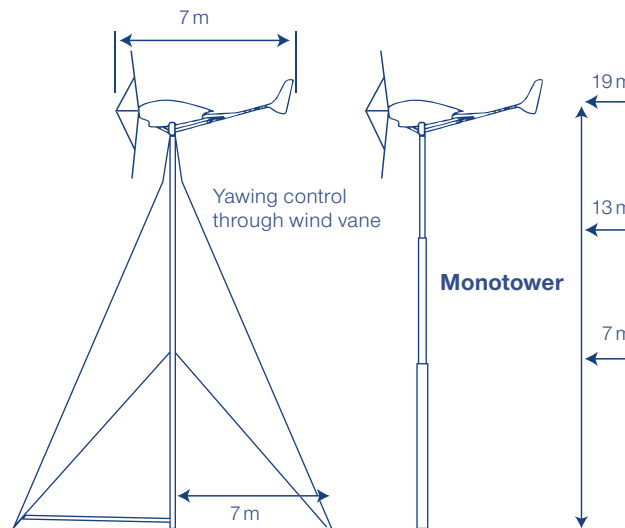
**Now even more silent!**

## » EasyWind 6

The **EasyWind 6** is a robust small wind turbine which is currently available in two versions. No switch-offs during stormy weather. The patented passive pitch function ensures a constant and stable energy production even during extreme winds. It requires minimum maintenance and is available as a braced version or as a Monotower. As a special model, the 7 m high roof version can be mounted without bracing. This small wind turbine was designed specially to withstand extreme climate conditions and has proven its reliability for more than 20 years.

The **EasyWind 6** is a wind turbine, which primarily covers the self-supply of households and companies with electricity, wind power and heating, but also allows to feed electricity into the public grid.

Rotor with mechanically controlled blade adjustment

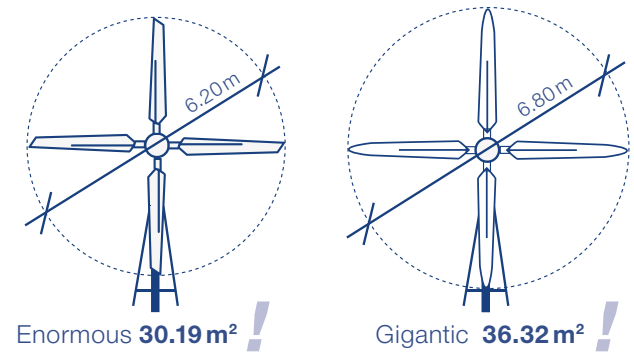


Mounting Device

## » More Yield

Our **EasyWind** small wind turbine is now also available with longer (3.40m) rotor blades. These have been developed specifically for weak wind areas. The longer rotor blades result in the generation of an additional yield of 25% to 40% compared to that of standard rotor blades (3.10m).

### Wind harvest area



Enormous **30.19 m²** !

Gigantic **36.32 m²** !

$v_{\text{average}}$ (m/s)	AEP (MWh)	$v_{\text{average}}$ (m/s)	AEP (MWh)	$v_{\text{average}}$ (m/s)	AEP (MWh)
4.00	5.96	6.40	17.56	8.80	22.37
4.20	6.92	6.60	18.29	9.00	22.43
4.40	7.92	6.80	18.96	9.20	22.46
4.60	8.94	7.00	19.57	9.40	22.45
4.80	9.98	7.20	20.11	9.60	22.41
5.00	11.03	7.40	20.59	9.80	22.34
5.20	12.06	7.60	21.01	10.00	22.24
5.40	13.08	7.80	21.37	10.20	22.12
5.60	14.06	8.00	21.67	10.40	21.98
5.80	15.01	8.20	21.92	10.60	21.82
6.00	15.91	8.40	22.12	10.80	21.64
6.20	16.76	8.60	22.26	11.00	21.45

$v_{\text{average}}$  = Annual average wind speed

AEP = Annual Energy production