



**SkyWind NG**  
**The Sky is the Limit**  
Next Generation Windpower

# SkyWind NG Micro Wind Turbine





How to achieve constant energy availability without expensive fossile fueled generators?

**Photovoltaics:**

- Daylight
- Good weather
- Primarily in summer

**PV Battery:**

- Cloud bridging
- Night

**Photovoltaics**



+

**Windturbine**



**Windpower:**

- Time-independent
- Bad weather
- Primarily in winter

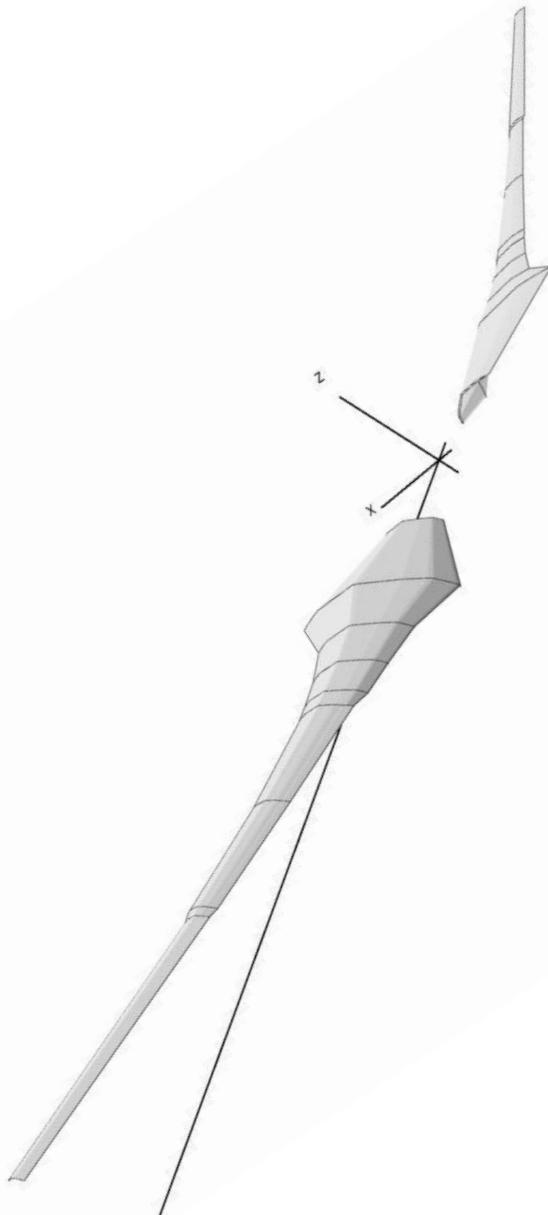
Only a combination of PV + battery & windpower provides energy independence.



### Only the SkyWind NG offers:

- Efficient and lightweight design <20 kg
- A guaranteed power performance curve
- All-metal construction providing an exceptional durability
- Single piece rotor avoiding balancing during field installation
- Ceramic magnets instead of neodymium for use in hot climates
- EN AW 5xxx rotor blades for maximum persistence in sandy desert conditions





Rated Power:	1.000	W
Rotor Diameter:	1,50	m
Swept Area:	1,80	m <sup>2</sup>
Windage:	0,2	m <sup>2</sup>
Tip-speed Ratio:	8,5	
Generator Voltage:	15 – 70	V dc
Max. Current:	30	A
Noise at 20m distance:	36	dB(A) @ 10 m/s
Cut-in Windspeed:	4	m/s
Rated Windspeed:	14	m/s
Cut-out Windspeed:	20	m/s
Material:	Aluminum EN AW 5xxx, Steel	
Weight:	15,5	kg

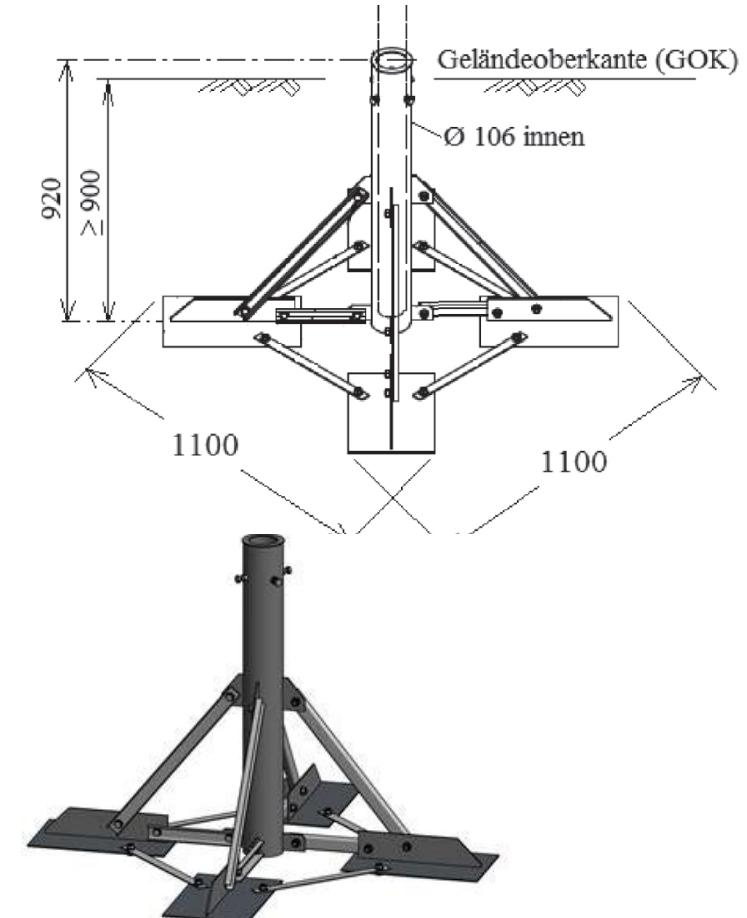
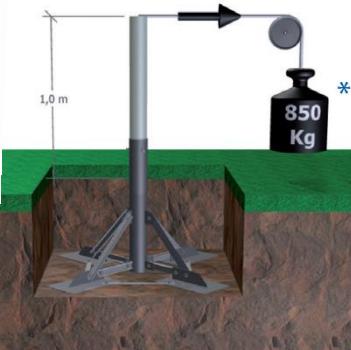


### Patented Concrete-Free Mounting:

- 6 m tiltable mast
- Easy two-screw turbine fitting
- Concrete-free base is simply digged into the ground
- Designed for easy transport:

10 Pcs. Mast : 0,70 x 0,35 x 6 m @ 650 kg

10 Pcs. Found. : 1,45 x 0,58 x 0,9 m @ 400 kg





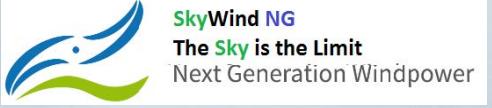
## Items delivered:

### SkyWind NG Turbine

- EN AW 5xxx Aluminum rotor blade, anti-reflective coating, RAL 7037
- Nacelle, pre-assembled, protective coating, RAL 7016
- Connection for 60 mm Mast
- Inverter 190 – 260 V, 50 – 60 Hz incl. controller and dumpload
- Storm protection system incl. high current relay

### Mast with concrete-free foundation

- Patented, concrete-free foundation
- Titable mast, 6m
- Material: S 235 / S 355 steel
- Suitable for wind load zone 2 ( 0,39 kN/m<sup>2</sup> )

A photograph showing a road with a metal fence running alongside it. In the background, there are several tall, leafy trees. Two tall, thin poles stand on the grassy area next to the road; the pole on the left has a small, dark bird-shaped object mounted on top. The sky is overcast.

Any questions?  
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