

ev312g

3.6 kW

Remote Category*

Operation silence
Most efficient
Attractive size
Economical
Aesthetic

BLUE MAKES THE GREEN

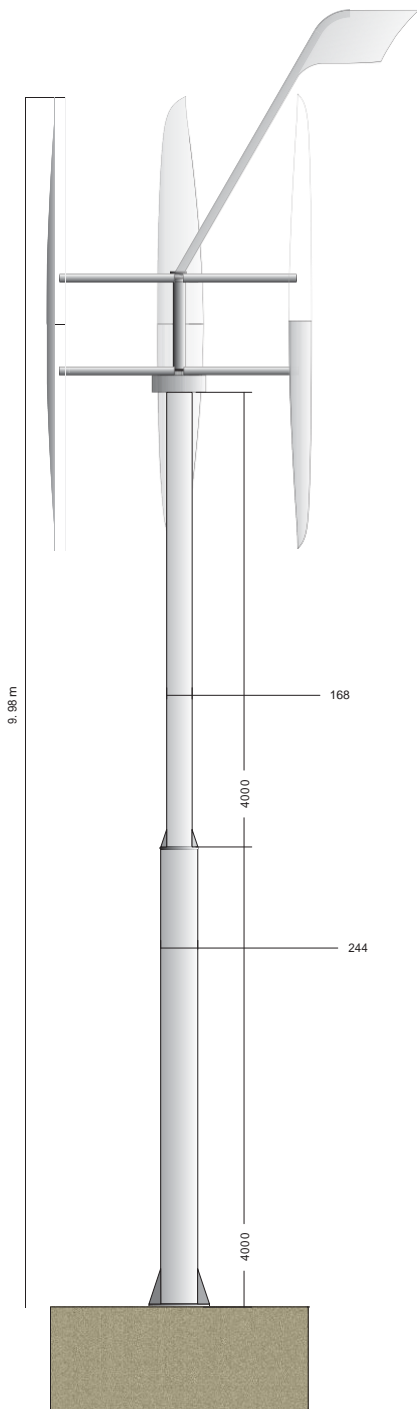
Envergate wind-turbines have been specifically designed for both the distributed generation of power as well as enabling a direct feed into the public electricity grid. Our solution is highly efficient, requires low capital investment and is manufactured to the highest standards. The envergate turbine design is compact in size and extremely quiet leading to easy approval of construction permits, its vertically positioned wings allow for an optimized harvesting of the wind even in dynamic conditions between gusts and lulls and do not create noise nor areas of undesired shade. The solution will amortize itself quickly all the while reducing your carbon footprint.

*family-houses, cottages, addition to photovoltaics, ridged roofs, radio- and cell towers, heat-, water pumps and -conditioning, mobile deployment, battery charger

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Product Information



Nominal capacity	3.6kW	
Installed capacity	4.0 kWpeak	
Nominal wind speed	13 m/s	25.3 kn
Start-up wind speed	1.5 m/s	3 kn
Engage wind speed	3 m/s	5.8 kn
Noise level	40 dB (20 m distance, 5 m/s wind)	
Design layout	20 years	
Warranty	2/3 years	
CE - Certification	acc. IEC WT 01 (EN61400-2:2006)	

Material	composite (CFK)
Wings	wing-span 3.12 m, diameter 2.5 m
Wing pitch control	mechanical
Wind tracing	mechanical wind vane

Electrical brake	generator, dump load
Overspeed protection	governor (active stall)

Output ON - GRID	230 VAC, single phase, 50 - 60 Hz
Output OFF - GRID	24 / 48 VDC
Battery pack	on request

Type	steel, stainless, galvanized
height	4/8 m
Foundation (8m mast)	2.1 x 2.1 x 1 m deep (ref. value)
Weight	250 – 800 kg (acc. to mast)

Control cabinet	inhouse/outdoor
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subject to modification and amendments