

ev600

10kW/12kW

Residential 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. 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.

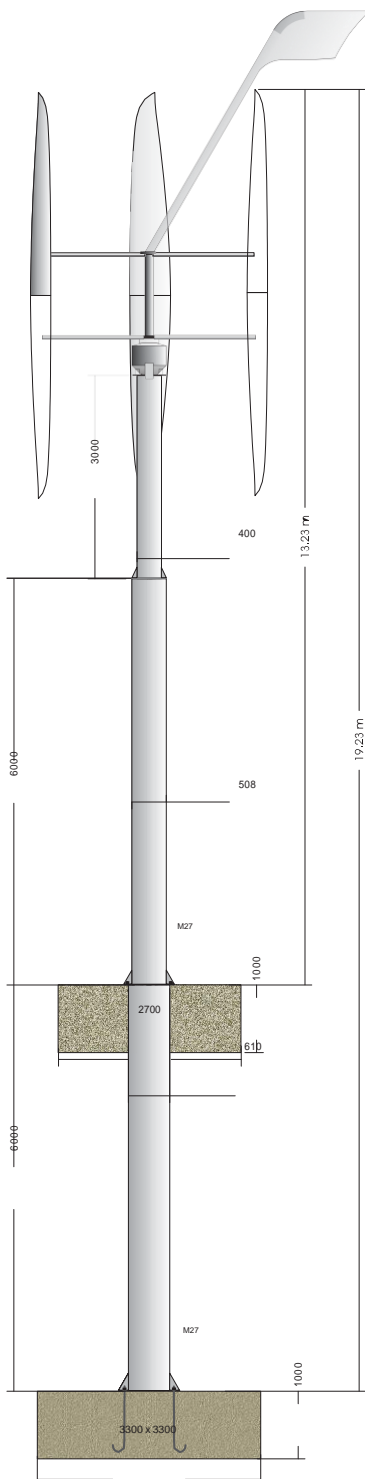
*family-houses, residences, farming, industrial buildings, flat roofs, cell towers, water pumps and air-conditioning



ev600

10kW/12kW

Product information



Nominal capacity	10kW (ev600) / 12kW (ev600s)	
Nominal wind speed	11,5m/s	22,3kn
Start-up wind speed	1,5m/s	3kn
Engage wind speed	2,5m/s	4,8kn
Shut-off wind speed	16m/s	31kn
Noise level	39 dB (20m distance, 5m/s wind)	
Design layout	20 years	
Warranty	3/5 years	
CE - Certification	after IEC WT 01 (EN61400-2:2006)	

Material	composite (CFK, GFK)	
Wings wing-span	6m, diameter 4m	
Wing pitch control	mechanical	
Nominal rotation speed	150 rpm	
Wind tracing	mechanical wind vane	

Electrical brake	generator
Hydraulic brake	disk brake (fail-safe)

DC voltage link (VSI)	680 VDC, 17.1 A (21A ev600s)
Output ON - GRID	400 VAC, 3-phase, 50 - 60 Hz
Output ON - GRID	230 VAC, single phase, 50 - 60 Hz
Output OFF - GRID	24 VDC - 1000 VDC

Type	steel, stainless, matt white
Standard mast height	9m / 15m
Foundation (15m mast)	3,3 x 3,3 x 1m deep (ref. value)
Weight	1000 – 1600kg acc. to mast

Control cabinet (IP54)	ventilated, heated, emerg stop
Control cabinet	in-house / outdoor
Control voltage	24 VDC with USP

subject to modification and amendments