

ev600

10kW/12kW

Residential Category*

Operation silence
Most efficient
Attractive size
Economical
Aesthetic
Your Image

BLUE MAKES THE GREEN

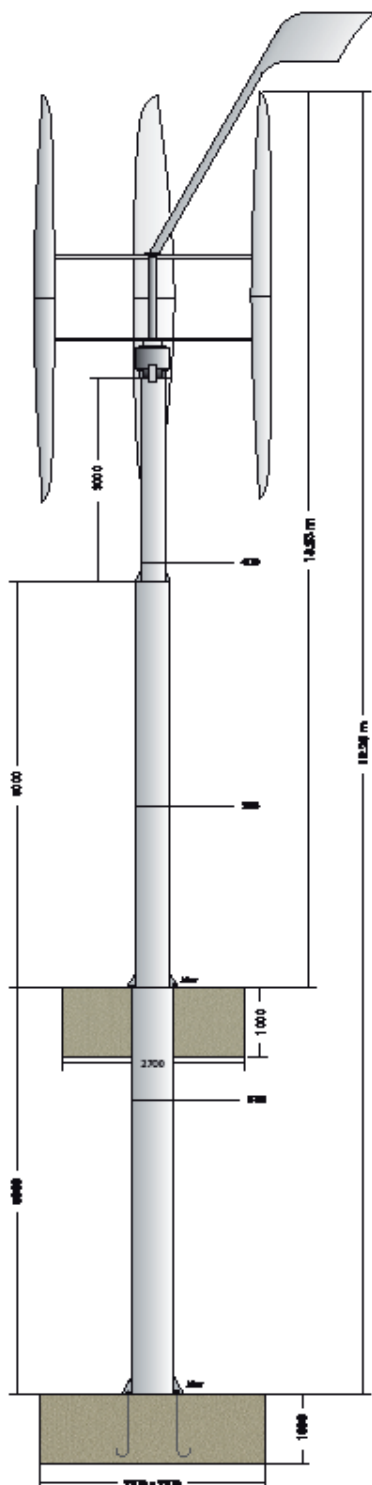
envergate wind-turbines have been specifically designed for both the distributed generation of power as well as enabling a direct feed into the public electricity grid. Our solution is highly efficient, requires low capital investment and is manufactured to the highest standards. The envergate turbine design is compact in size and extremely quite lending 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, residences, farming, industrial buildings, flat roofs, cell towers, water pumps and -conditioning

ev600

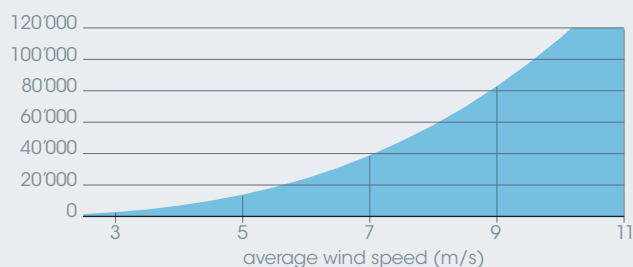
10kW/12kW

Product information



Net annual power ev600 (Weibull factor 2)

annual kWh



Operating data

Nominal capacity	10 kW (ev600) / 12 kW (ev600s)
Nominal wind speed	11,5 m/s 22,3 kn
Start-up wind speed	1,8 m/s 3,6 kn
Engage wind speed	2,5 m/s 4,8 kn
Shut-off wind speed	16 m/s 31 kn
Noise level	39 dB (20 m distance, 5 m/s wind)
Design layout	20 years
Warranty	3/5 years
CE - Certification	after IEC WT 01 (EN61400-2:2006)

Rotor

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

Safety systems

Electrical brake	generator
Aero dynamical brake	centrifugal clutch (active stall)
Hydraulic brake	disk brake (fail-safe)

Inverter

Output ON - GRID	400 VAC, 3-phase, 50 - 60 Hz
Output OFF - GRID	24 VDC - 1000 VDC
Battery pack	on request

Mast / Foundation

Type	steel, stainless, matt white
Standard mast height	9 m / 15 m
Foundation (15 m mast)	3,7 x 3,7 x 1 m deep (ref. value)
Weight	1000 - 1600 kg acc. to mast

Control system

Control cabinet	ventilated, heated, emerg. stop
Control cabinet	inhouse / outdoor
Control voltage	24 VDC

subject to modification and amendments