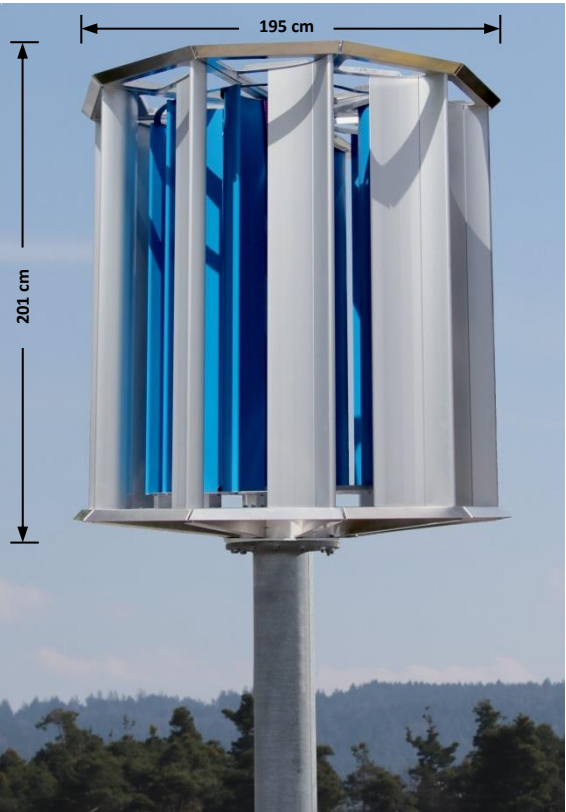
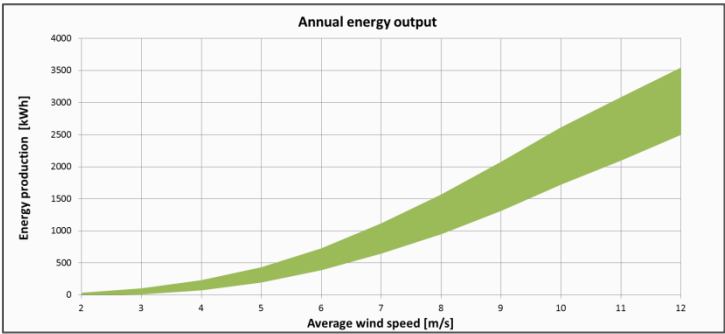


Vertical axis wind turbines (VAWT) from Turbina Energy AG are the first choice for an economical, independent and all season power supply. Our unique turbine design, an innovative combination of rotor and stator blades, facilitates maximum energy output, even at lowest wind speeds.



Wind turbinen model	Vertical axis wind turbine (VAWT)
Cut-in wind speed	Up from 1,5 m/s, Power production starting up from 2,5m/s
Survival wind speed	50 m/s (180 km/h), Wind zone 1-4
Rotor dimensions	1,29 m x 1,70 m (W x H)
TURBINA dimensions	1,95 m x 2,01 m (W x H)
Maintenance brake	Yes
Total weight	280 kg
Generator	Permanent magnet / gearless transmission
Material	Aluminium / Stainless steel
Sound level	32,7 dB at 6 m/s from 16 m distance
Output voltage	230 V, 50 Hz., AC 48 V DC
Warranty	2 years
Annual energy output: (at average wind speed) Weibull form factor: 2	2 m/s: 10 - 25 kWh 6 m/s: 400 - 710 kWh 3 m/s: 25 - 90 kWh 7 m/s: 640 - 1.100 kWh 4 m/s: 85 - 220 kWh 8 m/s: 960 - 1.550 kWh 5 m/s: 201 - 420 kWh 9 m/s: 1.320 - 2.060 kWh



Our unique selling points

- (1) Unique design
- (2) Safe operation
- (3) Low maintenance – no wear parts
- (4) Weather resistant – high quality materials
- (5) No flickering – due to product technology
- (6) Worldwide lowest cut-in wind speed at only 1,5 m/s
- (7) No tracking required - regardless of wind direction
- (8) Robust construction – double bearing rotor axis
- (9) Low noise generation (33 dB) – confirmed by German sound certificate
- (10) Safe for humans & animals – no open rotating parts – confirmed by German certificate
- (11) High quality components – from renowned partners