

Part No: EN-1KW-XL

Description: The permanent magnetic EN-1KW-XL wind turbine has high-efficient energy output, is the most compact, quiet, rugged and reliable vertical wind turbine generator. The EN-1KW-XL wind turbine is widely used in LED lighting system, signal & camera security, telecommunication field for off-grid residence. The EN-1KW-XL wind turbine is extremely easy to integrate with solar panels to create off-grid power systems that require modest amounts of energy. Available in 48V, 96V for battery charging applications.



Design

- 1) The EN-1KW-XL is designed on a unique low inertia axial flux generator which utilizes Neodymium permanent magnetic material.
- 2) The EN-1KW-XL has zero cogging with its highly efficient, allow the turbine to generate power at very low wind speeds and deliver a high output in working wind speeds.
- 3) The EN-1KW-XL can survive from winds up to 40m/s by a passive aero-dynamic design that reduces turbine RPM and power output at a certain threshold.
- 4) The robust aluminum alloy chassis and stainless steel components are protected by the aerospace grade coatings and anodizing.

Advantage



High outputs

Permanent magnet-generator, low cogging torque at 2.0m/s

Quiet

Low noise, just 40dB above background

Reliable

Precision Aerodynamic design from aircraft-engineering

Rugged

Durable, withstands storm force winds up to 40m/s

Light

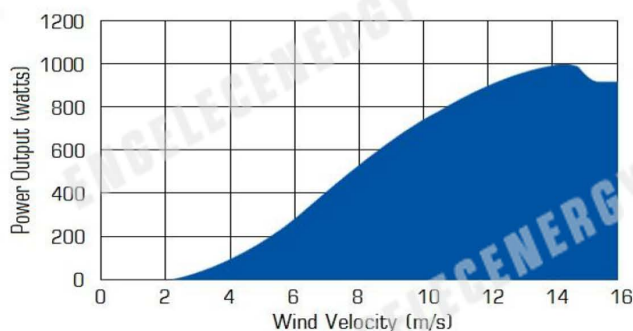
Small shape, easy to install and maintain

Features

EN-1KW-XL wind turbine

Turbine diameter	: 0.8 meter
Rotor Type	: Vertical spiral, non-wind direction required
Blade Material	: Enhanced glass fiber, UV resistant
Rated output	: 1000w at 11m/s
Peak output	: 1100W
Cut-in speed	: 2m/s
Blades height	: 2.0 meter
Rated voltage	: 48V, 96V

EN-1KW-XL Wind Turbine Power Curve



* Wind turbine performance is subject to many factors. All output data contained in this document is indicative and actual turbine outputs will depend on the prevailing site and installation conditions.

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