



Part No: EN-1KW-FD

Description: The EN-1KW-FD use permanent magnetic generator, has high-efficient energy output, is the most compact, quiet, rugged and reliable horizontal axis wind turbine. The EN-1KW-FD wind turbine is widely used in LED lighting system, road signal & camera security, telecommunication field for off-grid residence. The EN-1KW-FD wind turbine is extremely easy to integrate with solar panels to create off-grid power systems that require modest amounts of energy. Available in 24V, 48V for battery charging applications.

Design

- 1) The EN-1KW-FD is designed around a unique low inertia axial flux generator which utilizes Neodymium permanent magnetic materials with low loss, best magnetic flux density.
- 2) The EN-1KW-FD has zero cogging with its highly efficient and low TSR blades, allow the turbine to generate power at very low wind speed without any auxiliary device and deliver a high output in working wind speeds.
- 3) It has automatically self-protection under over-voltage, over-discharge, over-current, automatically protection at strong wind.
- 4) The EN-1KW-FD can withstand winds up to 27m/s (60mph) by a passive aero-dynamic design. Entirely moulded wind turbine body ensured the consistent quality under terrible climates. Reinforced glass fiber blades and reasonable pneumatic appearance help it runs with low noise.

Advantage



High outputs

1500W at 12m/s

Quiet

Aerodynamic entire body cause low noise

Reliable

Precision engineered with only two parts, 15 years service life.

Rugged

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

Generator

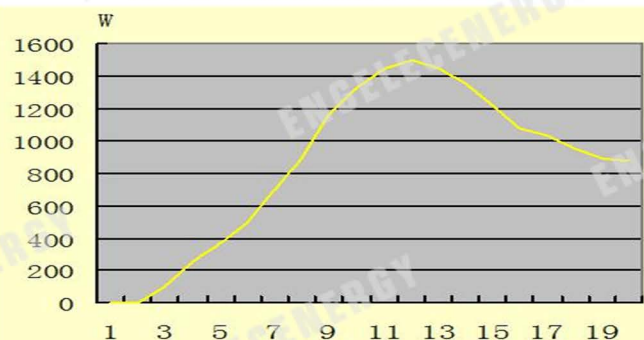
Full copper coil generator, high quality.

Feature

EN-1KW-FD Wind Turbine

Turbine diameter	: 2.8 meter
Rotor type	: 3-Blade upwind
Blade material	: FRP reinforced, UV resistant
Rated output	: 1000w at 10m/s
Peak output	: 1500W
Cut-in speed	: 3m/s
Weight	: 56Kg
Rated voltage	: 24V, 48V
Rated rotate speed	: 400RPM

EN-1KW-FD 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.

ENGELEC ENERGY

Intelligent manufacturing, Industry 5.0

Email: info@engelec.cn

www.engelecenergy.com

Call at: (+86) 13505876536