



**Part No:** EN-10KW-FD

**Description:** The EN-10KW-FD use permanent magnetic generator, has high-efficient energy output, is the most compact, quiet, rugged and reliable horizontal axis wind turbine. The EN-10KW-FD wind turbine is widely used in LED lighting system, road signal & camera security, telecommunication field for off-grid residence. The EN-10KW-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 96V,120V,240V for battery charging applications.

### Design

- 1) The EN-10KW-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-10KW-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-10KW-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

17kW at 13m/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

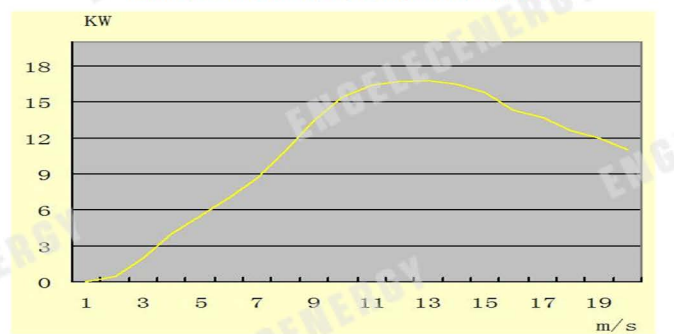
Full copper coil generator, high quality.

### Feature

#### EN-10KW-FD Wind Turbine

<b>Turbine diameter</b>	: 7.0 meter
<b>Rotor type</b>	: 3-Blade upwind
<b>Blade material</b>	: FRP reinforced, UV resistant
<b>Rated output</b>	: 10kW at 10m/s
<b>Peak output</b>	: 17kW
<b>Cut-in speed</b>	: 3m/s
<b>Weight</b>	: 622Kg
<b>Rated voltage</b>	: 96V, 120V, 240V
<b>Rated rotate speed</b>	: 180RPM

#### EN-10KW-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.

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