

**Part No:** EN-500W-M3

**Description:** The EN-500W-M3 use permanent magnetic generator, has high-efficient energy output, is the most compact, quiet, rugged and reliable horizontal axis wind turbine. The EN-500W-M3 wind turbine is widely used in LED lighting system, road signal & camera security, telecommunication field for off-grid residence. The EN-500W-M3 wind turbine is extremely easy to integrate with solar panels to create off-grid power systems that require modest amounts of energy. Available in 12V, 24V for battery charging applications.



### Design

- 1) The EN-500W-M3 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-500W-M3 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-500W-M3 can withstand winds up to 45m/s by a passive aero-dynamic design. Entirely mounded 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

500W at 11m/s

#### Quiet

Aerodynamic entire body for low noise

#### Reliable

Precision engineered in China with only two moving parts

#### Rugged

Durable, withstands storm force winds up to 45m/s

#### Generator

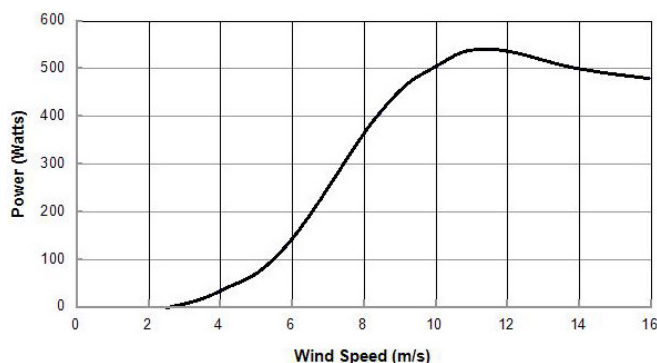
Full copper coil generator, high quality.

### Feature

#### EN-500W-M3 Wind Turbine

<b>Turbine diameter</b>	: 1.75 meter
<b>Rotor type</b>	: Automatically adjust windward
<b>Blade material</b>	: Nylon fiber
<b>Rated output</b>	: 500w at 11m/s
<b>Peak output</b>	: 510W
<b>Cut-in speed</b>	: 2.0 m/s
<b>Top net weight</b>	: 11.5Kg
<b>Rated voltage</b>	: 12V, 24V
<b>Generator type</b>	: Permanent magnet generator

EN-500W-M3 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.