

**Part No:** EN-400W-S

**Description:** The EN-400W-S use permanent magnetic generator, has high-efficient energy output, is the most compact, quiet, rugged and reliable horizontal axis wind turbine. The EN-400W-S wind turbine is widely used in LED lighting system, road signal & camera security, telecommunication field for off-grid residence. The EN-400W-S 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-400W-S 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-400W-S 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-400W-S can withstand winds up to 50m/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

400W at 13m/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 50m/s

#### Generator

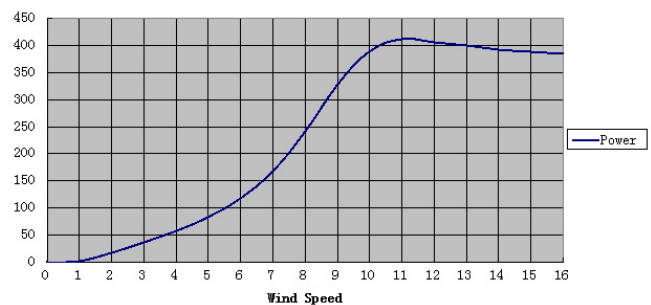
Full copper coil generator, high quality.

### Feature

#### EN-400W-S Wind Turbine

<b>Turbine diameter</b>	: 1.4 meter
<b>Rotor type</b>	: Automatically adjust windward
<b>Blade material</b>	: Nylon fiber
<b>Rated output</b>	: 400w at 13m/s
<b>Peak output</b>	: 410W
<b>Cut-in speed</b>	: 2.0m/s(3 blades); 1.5m/s(5 blades)
<b>Top net weight</b>	: 6.8Kg
<b>Rated voltage</b>	: 12V, 24V
<b>Generator type</b>	: Permanent magnet generator

EN-400W-S 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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