

**Part No:** EN-200W-XL

**Description:** The permanent magnetic EN-200W-XL wind turbine has high-efficient energy output, is the most compact, quiet, rugged and reliable vertical axis small wind turbine generator. The EN-200W-XL wind turbine is widely used in LED lighting system, signal & camera security, telecommunication field for off-grid residence. The EN-200W-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 12V, 24V for battery charging applications.



### Design

- 1) The EN-200W-XL is designed on a unique low inertia axial flux generator which utilizes Neodymium permanent magnetic material.
- 2) The EN-200W-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-200W-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

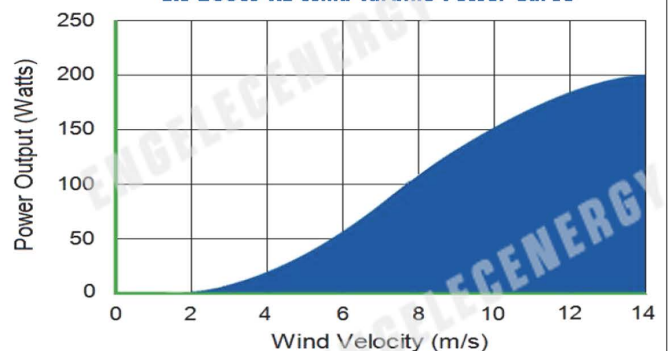
Small shape, easy to install and maintain

### Features

#### EN-200W-XL wind turbine

<b>Turbine diameter</b>	: 0.4 meter
<b>Rotor Type</b>	: Vertical spiral, non-wind direction required
<b>Blade Material</b>	: Enhanced glass fiber, UV resistant
<b>Rated output</b>	: 200w at 13m/s
<b>Peak output</b>	: 230W
<b>Cut-in speed</b>	: 2m/s
<b>Blades height</b>	: 0.9M
<b>Rated voltage</b>	: 12V, 24V

EN-200W-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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