

Part No: EN-600W-XL

Description: The permanent magnetic EN-600W-XL wind turbine has high-efficient energy output, is the most compact, quiet, rugged and reliable horizontal axis small wind turbine. The EN-600W-XL wind turbine is widely used in LED lighting system, signal & camera security, telecommunication field for off-grid residence. The EN-600W-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-600W-XL is designed on a unique low inertia axial flux generator which utilizes Neodymium permanent magnetic material.
- 2) The EN-600W-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-600W-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

Maglev 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

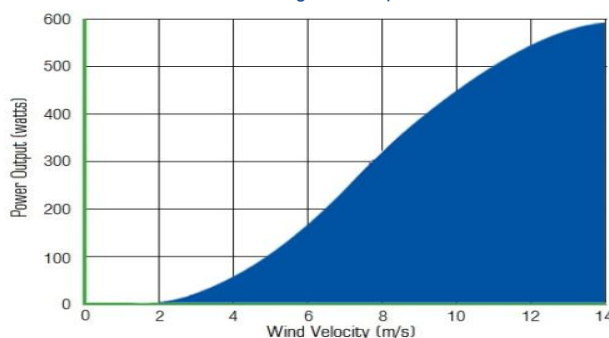
Small shape, easy to install and maintain

Features

EN-600W-XL wind turbine

Turbine diameter	: 0.67 meter
Rotor Type	: Vertical spiral, non-wind direction required
Blade Material	: Enhanced glass fiber, UV resistant;
Rated output	: 600w at 14m/s
Color option	: White, Green, Orange
Cut-in speed	: 2m/s
Blades height	: 1.5 meter
Rated voltage	: 12V, 24V

EN-600W-XL generator 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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