

Part No: EN-300W-HX

Description: The permanent magnetic EN-300W-HX wind turbine is darrieus turbines, has high-efficient energy output, is the most compact, quiet, rugged and reliable vertical axis small wind turbine. The EN-300W-HX wind turbine is widely used in LED lighting system, signal & camera security, telecommunication field for off-grid residence. The EN-300W-HX 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-300W-HX is the darrieus wind turbine generator.
- 2) The EN-300W-HX is designed on a unique low rpm maglev generator.
- 3) The EN-300W-HX 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.
- 4) The EN-300W-HX 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.
- 5) Therobust aluminum alloy chassis and stainless steel components are protected by the aerospace grade coatings and anodizing.

Advantage



Self Start

Savonius blades, breeze start, low cogging torque at 1.5m/s

Quiet

Low noise, < 40dB above background

Reliable

Precision Aerodynamic design from aircraft-engineering

Rugged

Durable, withstands storm force winds up to 40m/s

High output

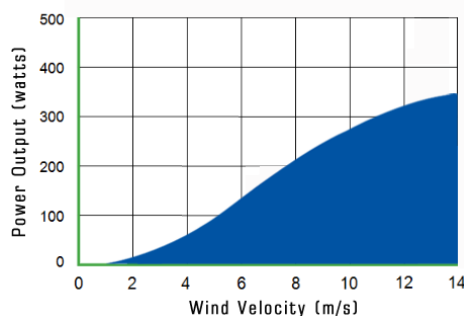
Darrieus blades, high efficiency.

Features

EN-300W-HX wind turbine

Turbine volume	: 0.6 meter diameter, 0.8 meter height.
Rotor Type	: Darrieus type
Blade Material	: FRB(Fiberglass)
Rated output	: 300w at 10m/s
Peak output	: 320W
Cut-in speed	: 1.5m/s
Weight	: 21Kg
Rated voltage	: 12V, 24V

EN-300W-HX 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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