

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) The robust 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

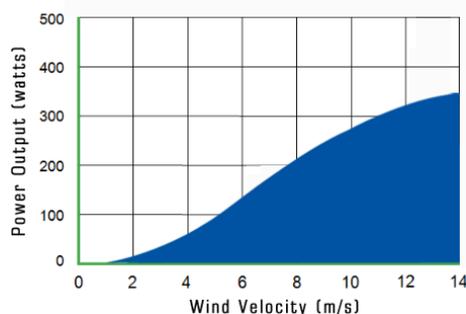
Darrieus blades, high efficiency.

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.

ENGELEC ENERGY

Intelligent manufacturing, Industry 5.0

Email: info@engelec.cn

www.engeleceenergy.com

Call at +86 13505876536