

Part No: EN-5KW-H

Description: The permanent magnetic EN-5KW-H wind turbine blades is straight like "H" type, It has high-efficient energy output, is the most compact, quiet, rugged and reliable vertical axis wind turbine. The EN-5KW-H wind turbine is widely used in LED lighting system, signal & camera security, telecommunication field for off-grid residence. The EN-5KW-H wind turbine is extremely easy to integrate with solar panels to create off-grid power systems that require modest amounts of energy. Available for 120V, 220V for battery charging applications.



Design

- 1) The EN-5KW-H is low start up wind speed, low compact, beautiful, easy installation and low vibration.
- 2) The EN-5KW-H is designed on a unique low inertia axial flux generator which utilizes Neodymium permanent magnetic material.
- 3) The EN-5KW-H 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-5KW-H 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

Straight blades, breeze start, low cogging torque at 2.0m/s

Quiet

Low noise, < 40dB above background

Reliable

Precision Aerodynamic design from aircraft-engineering

Rugged

Durable, withstands storm force winds up to 35m/s

High output

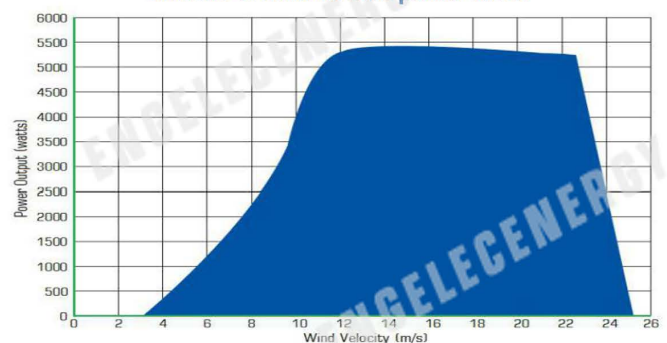
Straight blades, high efficiency.

Features

EN-5KW-H wind turbine

Wheel diameter	: 3.6 meter
Rotor Type	: Vertical straight blades
Blade Material	: Aluminum alloy, weather resisted coating
Rated output	: 5000W at 12m/s
Peak output	: 5500W
Cut-in speed	: 2.0 m/s
Wheel height	: 4.5 meter
Rated voltage	: 120V, 220V

EN-5KW-H 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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