ENGELEC
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Horizontal axis wind turbine generator
EN-400W-M3 Technical Datasheet

Part No: EN-400W-M3

Description: The EN-400W-M3 use permanent magnetic generator, has high-efficient energy output, is the most compact, quiet, rugged and reliable horizontal axis wind turbine. The EN-400W-M3 wind turbine is widely used in LED lighting system, road signal & camera security, telecommunication field for off-grid residence. The EN-400W-M3 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.

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Design

1) The EN-400W-M3 is designed around a unique low inertia axial flux generator which utilizes Neodymium permanent magnetic materials with low loss, best magnetic flux density.
2) The EN-400W-M3 has zero cogging with its highly efficient and low TSR blades, allow the turbine to generate power at very low wind speed without any auxiliary device and deliver a high output in working wind speeds.
3) It has automatically self-protection under over-voltage, over-discharge, over-current, automatically protection at strong wind.
4) The EN-400W-M3 can withstand winds up to 50m/s by a passive aero-dynamic design. Entirely mounded wind turbine body ensured the consistent quality under terrible climates. Reinforced glass fiber blades and reasonable pneumatic appearance help it runs with low noise.

Advantage

High outputs
400W at 11m/s

Quiet
Aerodynamic entire body for low noise

Reliable
Precision engineered in China with only two moving parts

Rugged
Durable, withstands storm force winds up to 50m/s

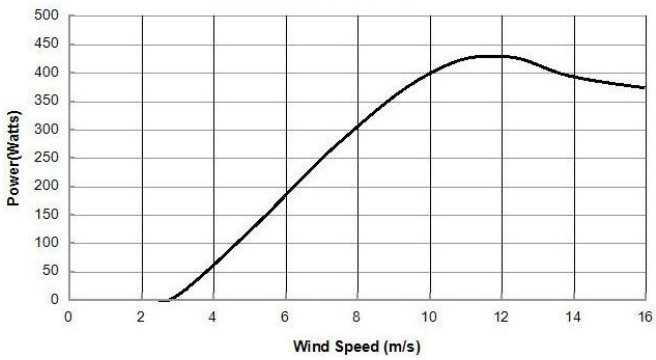
Generator
Full copper coil generator, high quality.

Feature

EN-400W-M3 Wind Turbine

Turbine diameter	:	1.75 meter
Rotor type	:	Automatically adjust windward
Blade material	:	Nylon fiber
Rated output	:	400w at 11m/s
Peak output	:	410W
Cut-in speed	:	2.0 m/s
Top net weight	:	11.2Kg
Rated voltage	:	12V, 24V
Generator type	:	Permanent magnet generator

EN-400W-M3 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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