

TECHNICAL DATA SHEET

FORGEN® 1000NT

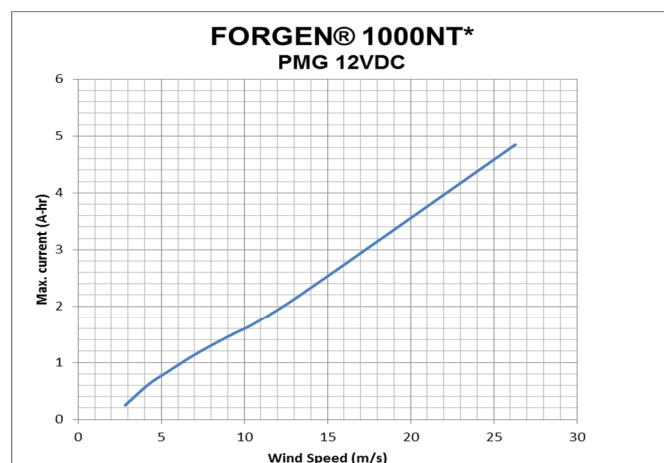
The FORGEN® 1000NT vertical axis wind driven generator embodies long established, high efficiency generator principles, combined with turbine airflow expertise. Low inertia of the carefully balanced all aluminum rotor assembly enables the maximum advantages to be taken of average weather conditions.

Technical Data

- Rotor Diameter: 300mm
- Vane height: 465mm
- Output voltage: Suitable for 12VDC or 24VDC*
- Rated output: Approximately 45W max. at 21ms^{-1} (40 knots) wind speed
- Start-up wind speed: Approximately 2ms^{-1} (3.88 knots)
- Cut-in wind speed: Approximately 4-4.5 ms^{-1} (7.75-8.75 knots)
- Generator: Three Phase permanent magnet
- Noise Level: less than 5dB from unit
- Coating: All exposed parts powder coated Aluminum, center shaft cold anodised
- Bearing: Fully sealed
- Temperature range: $-20^{\circ}\text{c} \sim 50^{\circ}\text{c}$
- Wire: 10 meters 2 core wire (options available)
- Mounting option: Pole mount, Wedge mount, Mast mount, Rail mount
- Weight: 15Kgs
- Installation: Easy and simple.
- Warranty: 2 years

Special Features:

- Safe and Silent in operation
- Non blade design for user safety
- In extreme wind conditions the turbine is self-regulating
- No maintenance required
- Corrosion resistant components
- Electrical circuit fully protected against overload
- Solid state rectifier



*Result show PMG test result from a lab based power machine. Field results will vary.