



MEDIUM TULIP WIND TURBINE

This product can be used for several different projects. Whether you need supplemental energy alongside your solar install or wind energy for a micro-grid, this is for you. When the sun doesn't shine, the wind is usually always there. Thanks to our Bouquet Effect, the more turbines you put together, the more output you receive. For flat moderately strong roof or ground installation. Standard color is white.

Please note that projected data is based on research, field testing, and simulations.



Model Number: FT 2M-Lite Turbine

Type: 2 Bladed Vertical Axis Wind Turbine

IEC Turbine Class: IEC61400 Class IV

Rated Power: 500 watts, reached at ≈ 11 m/s (25mph) (higher capacity for bouquets*)

Expected Production: ≈ 622.1 w/h at 12 m/s (27mph) with a 25-228% increase per turbine when properly oriented to utilize the Bouquet Effect.

Expected Production in a Bouquet of 5: ≈ 1.147 Kw/h each when correctly oriented (≈ 5.7 Kw/h total) at 12 m/s (27mph)

Grid-Tied Output: 240VAC/1PH/60Hz or 230VAC/1PH/50Hz

Generator: High Efficiency Permanent Magnet Generator

Bearings: Included in Generator

Blade material: Thermoplastic

Ground Pole Mount: 0.1m (0.33 ft) diameter x 2.44M (8 ft) length - Weight. 30kg (66 lbs)

Blade Height: 2 m (6.56 ft)

Total Height: 2.62 m (8.58 ft)

Turbine Diameter: 1.18m (3.85 ft)

Total Weight: ≈ 98 kg (216lbs)

Cut-In Wind Speed: 0.7 m/s (1.57 mph)

Cut-Out Wind Speed: Inverter or charge controller and electrical brake system will control high speeds. Will also include a mechanical and manual brake as required.

Max Survival Wind Speed: 54 m/s (120.8 mph)

Operating Temperature Range: -15°C to 80°C (5°F - 175°F)

Design Life: 40 Years (Must be checked annually)

Warranty Period: 5 Years



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