

MEDIUM TULIP WIND TURBINE

The Medium Tulip turbine is a convenient size for many projects. Thanks to our Bouquet Effect, the more turbines you put together, the more output you receive from each turbine. For a flat 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 plus a second set on the shaft.

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: 3.008 m (9.87 ft)

Blades Diameter: 1.18m (3.85 ft)

Total Weight: ≈ 227.25 kg (501lbs)

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. Additional mechanical brake.

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

Operating Temperature Range: -15°C to 50°C (5°F to 122°F)

Design Life: 40 Years (Must be checked annually)

Warranty Period: 5 Years for parts made by Flower Turbines; other parts are according to the warranty that comes from that manufacturer.



Scan this QR Code to visit our online page detailing more about the Medium Tulip Unit.

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