



LARGE TULIP WIND TURBINE

This product is for you if you want serious power up to 5 kilowatts. The large size is for installation on the ground or on a very strong roof. These are our most cost-effective tulips and provide substantial power. They should have a permit and installation design from a civil engineer and your local zoning board. Standard color is white.

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



Model Number: FT 6M Turbine

Type: 2 Bladed Vertical Axis Wind Turbine

IEC Turbine Class: IEC61400 Class IV

Rated Power: 5 Kilowatts, reached at 11.5 m/s (25.7 mph) (higher capacity for bouquets)

Expected Production: ≈ 5.39 Kw at 12 m/s (26.8 mph) with a 25-228% increase *per turbine* when properly oriented to utilize the Bouquet Effect.

Expected Production in a Bouquet of 5: ≈ 12.5 Kw/h each when correctly oriented (≈ 62.5 Kw/h total) at 12 m/s (27mph)

Grid-Tied Output: 230VAC/3PH/60Hz or 110VAC/3PH/50Hz

Generator: High efficiency Permanent Magnet Generator

Bearings: Included in generator and around shaft

Blade material: Thermoplastic

Blade Height: 5 m (16.404 ft)

Total Height: 6 m (19.685 ft)

Turbine Diameter: 2.4 m (7.87f ft)

Total Weight: 1000 kg (2204.62 lbs)

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 50°C (5°F to 122°F)

Design Life: 20 Years (Must be checked annually)

Warranty Period: 5 Years



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

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