



# 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:**  $\approx 5.39$  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:**  $\approx 12.5$  Kw/h each when correctly oriented ( $\approx 62.5$  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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