



# 3-METER TULIP WIND TURBINE

Our 3 Meter Tulip turbines offer a robust and efficient energy solution, in a compact and visually appealing design. These turbines are perfect for homes, businesses, and community installations, on the ground or on strong roofs. Thanks to our Bouquet Effect, the more turbines you put together, the more output you receive from each turbine. Standard color is white.

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



**Model Number:** FT 3M Turbine

**Type:** 2 Bladed Vertical Axis Wind Turbine

**IEC Turbine Class:** IEC61400 Class IV

**Rated Power:** 1000 watts, reached at  $\approx 11$  m/s (25mph) (higher capacity for bouquets\*)

**Expected Production:**  $\approx 1400$  w/h at 12 m/s (27mph) and higher the more turbines in a bouquet.

**Expected Production in a Bouquet of 5:**  $\approx 3$  Kw/h each when correctly oriented ( $\approx 15$  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:** Metal base for attachment to concrete.

**Blade Height:** 3 m (9.84 ft)

**Total Height:** 4.07 m (13.35 ft)

**Blades Diameter:** 1.5m (4.92 ft)

**Total Weight:**  $\approx 400$  kg (881.849 lbs)

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

**Cut-Out Wind Speed:** Charge controller brakes it at around 12 m/s. Mechanical brake supplied

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

**Operating Temperature Range:**  $-15^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  ( $5^{\circ}\text{F}$  to  $122^{\circ}\text{F}$ )

**Design Life:** 40 Years (Must be checked annually)

**Warranty Period:** 5 Years for components made by Flower Turbines; other components 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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