



# 3-METER TULIP WIND TURBINE

Our 3 Meter Tulip turbines offer a robust and efficient energy solution, providing greater energy output while maintaining a compact and visually appealing design. Ideal for those looking to maximize their renewable energy production, these turbines are perfect for homes, businesses, and community installations. Thanks to our Bouquet Effect, the more turbines you put together, the more output you receive. 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

**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)

**Turbine 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



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

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