



SMALL TULIP WIND TURBINE

A 1.5 meter-high turbine with electronics to recharge a 12-volt battery pack or a grid-connection for bouquets. This fits on a pole for fixed installation. It can be used off-grid for lighting small displays or outdoors, or on-grid to supplement solar power.

Standard color is white.

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



Model Number: FT 1.15M Turbine

Type: 2 Bladed Vertical Axis Wind Turbine

IEC Turbine Class: IEC61400 Class IV

Rated Power: 100 watts, reached at 14.5 m/s (32.4 mph) (higher capacity for bouquets)

Expected Production: ≈ 62.2 w/h alone at 12m/s (27 mph) with a 25-228% increase per turbine when properly oriented to utilize the Bouquet Effect.

Expected Production in a Bouquet of 5: ≈ 144.7 w/h each when correctly oriented (≈ 723.5 w/h total) at 12 m/s (27 mph)

Grid-Tied Output: 240VAC/1PH/60Hz or 230VAC/1PH/50Hz

Generator: High Efficiency Permanent Magnet Generator

Bearings: Included in Generator

Blade Material: Thermoplastic

Turbine Diameter: 0.55 m (1.79 ft)

Blade Height: 1.15 m (3.77 ft)

Total Height: 1.4 m (4.58 ft) with extended pole options.

Total Weight: ≈ 20 kg (44.1lbs)

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

Cut-Out Wind Speed: Inverter or charge controller will control high speeds.

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



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

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