



Flower Turbines

SUN & WIND MODEL (ZW)

The Sun & Wind model is the ultimate choice for an off-grid charging solution. Integrated with a solar panel and a one-meter version of our aesthetic and efficient wind tulip, this charging station will generate power regardless of any type of weather. Electricity is stored within the unit, available at the push of a button. Thanks to its height and colors, this model is easily spotted by its users.

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



Model Number: ZW Pole

Type: Charging Station

Powered by: Solar Panels (2x80 watts)
and wind turbine (max 100 watts)

IEC Turbine Class: IEC61400 Class IV

Output: Regular socket to 230V

Rated Power: 100 watts

Push Button: Start one-hour charge

Battery: 2x 600 watts

Power Sockets: 2x Impact-resistant
(IK10): Waterproof (IP55)

Protections: Childproof power sockets,
climbing protection, current limitation,
protection for earth leakage

Housing Size: L: 0.4 m; W: 0.4 m; H: 4.15
m (L: 1.31 ft; W: 1.31 ft; H: 13.62 ft)

Housing Material: 4mm steel

Foundation Material: 4mm Steel

Standard Foundation Color: RAL 6018, RAL
6034 (Other colors/signing optional)

Blade Material: Thermoplastic

Standard Blade Color: White (Other colors
optional)

Turbine Diameter: 0.55 m (1.79 ft)

Blade Height: 1.15 m (3.77 ft)

Total Height: 4.15 m (13.62 ft)

Total Weight: 199 kg (438.72 lbs)

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-122°F)

Design Life: 40 Years (Must be checked
annually)

Warranty Period: 1 year



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2601 SE Loop 289 Lubbock, TX 79404
support.us@flowerturbines.com | FlowerTurbines.com
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