

Wind Tulip Specification

Model	2SMB250
Type	2 Bladed Vertical Wind Turbine
IEC Turbine Class	IEC61400 Class IV
Rated Power	2000 watts at 10 meters/second
Cut-In Wind Speed	1.2 m/s (4.32 km/h) (2.68 mph)
Cut-Out Wind Speed	Inverter will control high speeds.
Max. Design Wind Speed	35 m/s (126 km/h) (78 miles per hour)
Blade Material	Aluminum sheet metal 6061T6
Number of Blades	2
Segments per Blade	5
Blade Height	4920 mm
Blade Diameter	1650 mm
Swept area of blades	11.94 m ²
Generator	High efficiency Permanent Magnet Generator. To be matched to location.
Bearings	32316_DF_____ Taper roller bearing...1 piece 32022T84 X_DB_____ Taper roller bearing...1 piece
Electrical Output	230VAC/3PH/60Hz or 110VAC/3PH/50Hz
Total Height	6074 mm
Shaft Diameter	250 mm average
Turbine Diameter	1650 mm
Blade Weight	≈150 kg each blade
Overall Turbine Weight	≈ 1240 Kg (including generator, without gearbox)
Design Life	40 years
Operating Temperature Range	-15°C-40°C @ Max. 95% RH
Warranty Period	5 years
Color	Standard white on inside and outside. Option of other colors or vinyl car wrapping.