

Turbo5000



efficient , durable, reliable

Tumurly® Turbo5000 is an extremely durable and efficient wind turbine of the latest generation. The generator body is equipped with aluminium cooling fans. The maintenance-free sliding contact guarantees a good current flow and thereby no twisting of the cable in the pole. Turbo5000 wind turbine has a permanent magnet generator having strong N42 neodymium magnets with steel slots inside. In case the wind speed is over 3 m/s, the turbine will be rotating freely by exceeding this holding torque. The wind turbine generates AC Electricity to charge your DC batteries or to feed an on-grid inverter to be connected to Grid.

technical data

Rated Power	5000 W (at 15 m/s)	Blade Diameter	2,80 m
Type	5 blades, horizontal Permanent magnet, brushless, gearless,	Swept Area	6,15 m2
Generator	maintenance- free	Blade Material	Composites
Housing Material	Aluminium	Weigh per rotor blades	1200 g
Operating Voltage	0 - 90 AC	Hub Flange	Cast Steel
Current	3-Phase-AC	Starting wind speed	3 m/s
Total Turbine Mass	45 kg	Charging wind speed (Approx)	4 m/s
Max. Noise	60 dB	Max. RPM	1200
Life Expectancy	>20 years	Wind Tracking Degree	360°
Warranty	2 Years	Breaking Method	EM Brake
Turbine Test Standarts			
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)	European Standarts	EN IEC 61400-2:2014 EN 60204-1:2018 EN ISO 12100:2010 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019

application

Commercial and Industrial
Residential and Resort
Agricultural
Remote Communities
On-Grid and Off-Grid Power

key benefits

Energy cost savings from wind generated power
No scheduled maintenance
Designed to reliably operate in harsh cold & hot climates
Operation creates virtually no environmental impact
Cost-effective and financially viable

Tumurly® Wind
Distributed Power

Tumurly Headquarter

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