

# Turbo2500



## efficient , durable, reliable

Tumurly® Turbo2500 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. Turbo2500 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	2500 W (at 15 m/s)	Blade Diameter	2,2 m
Type	3 blades, horizontal	Swept Area	3,79 m <sup>2</sup>
Generator	Permanent magnet, brushless, gearless, maintenance- free	Blade Material	Composites
Housing Material	Aluminium	Weigh per rotor blades	700 g
Operating Voltage	0 - 90 AC	Hub Flange	Cast Steel
Current	3-Phase-AC	Starting wind speed	3,5 m/s
Total Turbine Mass	25 kg	Direction	in a clockwise direction
Max. Noise	60 dB	Max. RPM	1200
Life Expectancy	>20 years	Starting wind speed	3 m/s
Warranty	2 Years	Furling Method	EM Brake
<b>Turbine Test Standarts</b>			
European Directives	Machinery Directive (2006/42/EC)	European Standarts	EN IEC 61400-2:2014
	Low Voltage Equipment Directive (2014/35/EU)		EN 60204-1:2018
	Electromagnetic Compatibility Directive (2014/30/EU)		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  
Off-Grid Power

**Tumurly® Wind**  
Distributed 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 Headquarter

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