



# Tumurly® Turbo10.0 *Prestige*

efficient , durable, reliable, low-noise

The new Tumurly® Turbo10.0 Prestige wind turbine is a high quality, extremely durable, highly efficient and superior performance wind turbine. Tumurly® PMG Generator which is developed by Tumurly® Engineering, converts the wind energy into electrical energy in the most efficient way. With its advanced aerodynamic structure and electrical power it is the best wind turbine in its class. Its specially developed wings that make almost no noise are made of 100% fiberglass. In case the wind speed reaches over 3 m/s, the turbine rotates freely and generates electricity, exceeding this holding torque. The maintenance-free sliding contact guarantees a good current flow so that the cable does not bend at the pole.

## technical data

Rated Power	10 kW (at 12 m/s)	Blade Diameter	4,450 m
Type	3 blades, horizontal	Swept Area	15,54 m <sup>2</sup>
Generator	Permanent magnet, brushless, gearless, maintenance- free	Blade Material	100% Fiberglass
Housing Material	Aluminium	Weight per rotor blade	1500 g
Operating Voltage	0 - 90 AC	Hub Flange	Cast Steel
Current	3-Phase-AC	Starting wind speed	3 m/s
Total Turbine Mass	95 kg	Charging wind speed (Approx)	4 m/s
Max. Noise	30 dB	Max. RPM	550
Life Expectancy	>30 years	Wind Tracking Direction	360°
Warranty	2 Years	Braking Method	EM Brake
European Directives	Machinery Directive (2006/42/EC) Low Voltage Equipment Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU)	European Standards	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