



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

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| Rated Power | 5000 W (at 15 m/s) | Blade Diameter | 2,80 m |
| Type | 3 blades, horizontal | Swept Area | 6,15 m2 |
| Generator | Permanent magnet, brushless, gearless, 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 | 3,5 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 Standarts | |
| European Directives | Machinery Directive (2006/42/EC) | | 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

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

key benefits

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| 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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