Tumurly
Technology Systems

Tumurly®

Titan10.0 *Advanced*

High-performance, robust, dependable, Quiet-operation

The Tumurly® Titan10.0 is a game-changing 10kW wind turbine, engineered through Tumurly's advanced R&D to deliver unmatched performance, reliability, and efficiency. Accredited by TÜV Nord for International Performance Testing and meeting CE and UKCA standards, the Titan10.0 adheres to the highest global safety and quality benchmarks. Featuring Tumurly's cutting-edge Permanent Magnet Generator (PMG) and durable 100% fiberglass blades, it maximizes wind energy conversion into electricity while maintaining ultra-quiet operation. Capable of starting at wind speeds as low as 3 m/s, the turbine ensures stable energy production with its innovative maintenance-free sliding contact system, eliminating cable twisting and ensuring continuous operation. Supported by a 2-year warranty and designed for decades of use, the Titan10.0 redefines small-scale wind energy solutions with its state-of-the-art design, robust engineering, and unparalleled dependability.

technical data

Rated Power	10 kW (@14 m/s)
Type	3 Bladed, Horizontal
Generator	Permanent Magnet
Housing Material	Aluminum Alloy
Operating Voltage	0–90 AC
Current	3-Phase AC
Total Turbine Mass	130 kg
Max. Noise	40 dB
Life Expectancy	20 years
Warranty	2 years
Performance Report	TÜV Nord
European Directives	Machinery Directive (2006/42/EC)
	Low Voltage Equipment Directive (2014/35/EU)
	Electromagnetic Compatibility Directive (2014/30/EU)
British Conformity	UKCA

Blade Diameter	4.64 m
Swept Area	16.90 m²
Blade Material	100% Fiberglass
Weight per Turbine Blade	5 kg
Hub Flange	Steel
Starting Wind Speed	3 m/s
Charging Wind Speed (Approx)	4 m/s
Max. RPM	285
Wind Tracking Direction	360°
Braking Method	Dynamic Electrical Braking
Color	RAL 9006 Metallic
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
European Conformity	CE

application

- Residential and Resort
- Commercial and Industrial
- Agricultural
- Remote Communities
- Telecommunication
- Integrating with EV Charging Units
- Working with Solar Systems
- Military Applications

key benefits

- Delivers sustainable energy for homes and resorts
- Powers factories and offices with renewable energy
- Supplies clean energy for farms and facilities
- Provides power for off-grid areas
- Ensures reliable power for telecom towers
- Powers EV stations sustainably
- Enhances hybrid energy efficiency
- Robust energy for defense operations

Tumurly® Wind
Distributed Power

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