

Tumurly®

Titan5.0 Advanced



High-performance, robust, dependable, Quiet-operation

The Tumurly® Titan5.0 is a groundbreaking 5kW wind turbine, developed through Tumurly's extensive R&D efforts to deliver exceptional performance, durability, and efficiency. Certified by TÜV Nord for International Performance Testing and compliant with CE and UKCA standards, the Titan5.0 is designed to meet the highest global quality and safety standards. Equipped with Tumurly's advanced Permanent Magnet Generator (PMG) and 100% fiberglass blades, it ensures the most efficient conversion of wind energy into electrical power while operating with minimal noise. Starting at wind speeds as low as 3 m/s, the turbine guarantees consistent energy generation with its maintenance-free sliding contact system, preventing cable twisting and ensuring uninterrupted performance. Backed by a 2-year warranty and built for long operational life, the Titan5.0 sets a new benchmark in small-scale wind energy solutions with its robust construction, cutting-edge technology, and superior reliability.

technical data

Rated Power	5 kW (@13 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	110 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	3.80 m
Swept Area	11.34 m ²
Blade Material	100% Fiberglass
Weight per Turbine Blade	4 kg
Hub Flange	Steel
Starting Wind Speed	3 m/s
Charging Wind Speed (Approx)	4 m/s
Max. RPM	300
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