

Tumurly®

Titan1.5 Advanced



High-performance, robust, dependable, Quiet-operation

The Tumurly® Titan1.5 is an innovative 1.5kW wind turbine, crafted through Tumurly's extensive R&D to achieve superior efficiency, reliability, and durability. With TÜV Nord certification for International Performance Testing and compliance with CE and UKCA standards, the Titan1.5 sets a high standard for global safety and quality. Designed with Tumurly's advanced Permanent Magnet Generator (PMG) and durable 100% fiberglass blades, it efficiently transforms wind energy into electricity while operating with minimal noise. Starting at wind speeds as low as 3 m/s, the turbine provides consistent energy output, supported by a maintenance-free sliding contact system that prevents cable twisting and ensures uninterrupted operation. Offering a 5-year warranty and engineered for long-lasting performance, the Titan1.5 is a reliable and innovative solution for small-scale wind energy needs, delivering robust performance with cutting-edge technology.

technical data

Rated Power	1.5kW (@ 12 m/s)
Type	3 bladed, Horizontal
Generator	Permanent Magnet
Housing Material	Aluminum Alloy
Operating Voltage	0 - 90 AC
Current	3-Phases-AC
Total Turbine Mass	45 kg
Max. Noise	40 dB
Life Expectancy	> 30 years
Warranty	5 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	2,50 m
Swept Area	4,53 m ²
Blade Material	100% Fiberglass
Weight per Turbine Blade	2kg
Hub Flange	Cast Steel
Starting Wind Speed	3 m/s
Charging Wind Speed (Approx)	4 m/s
Max. RPM	600
Wind Tracking Direction	360°
Braking Method	EM Brake
Color	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