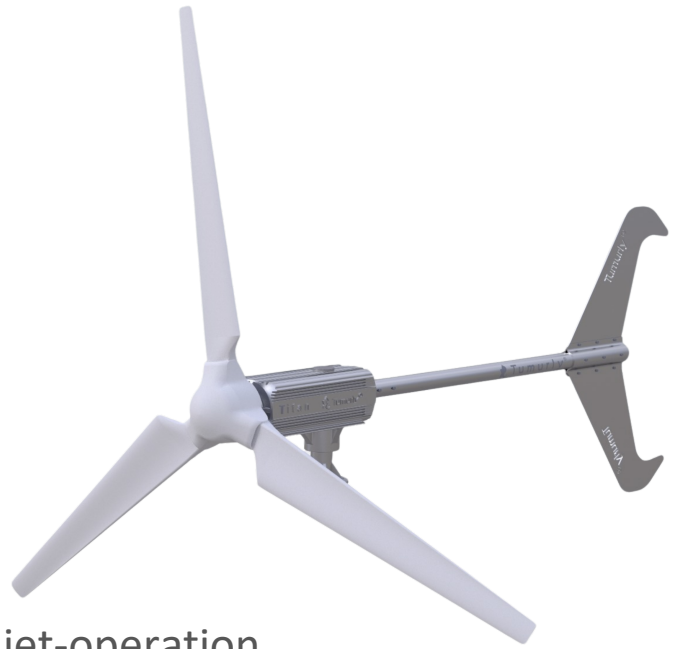


**Tumurly®**

# Titan I.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 <sup>2</sup>
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