



# Tumurly® Titan Marine600

## High-performance, robust, dependable, Quiet-operation

The Tumurly® Titan Marine600 is an innovative 600W wind turbine designed for various applications, including marine use, caravans, and other small-scale energy needs. Developed through extensive R&D, it ensures high efficiency, reliability, and durability, meeting TÜV Nord certification for International Performance Testing and complying with CE and UKCA standards. Featuring Tumurly's advanced Permanent Magnet Generator (PMG) and reinforced fiberglass blades, it efficiently converts wind energy into electricity with minimal noise. Starting at wind speeds as low as 3 m/s, it provides consistent power output, supported by a maintenance-free sliding contact system that prevents cable twisting and ensures seamless operation. Offering a 2-year warranty and long-lasting performance, the Titan Marine600 is a robust and versatile solution for sustainable wind energy in diverse environments.

## technical data

Rated Power	600W (@ 12 m/s)
Type	3 bladed, Horizontal
Generator	Permanent Magnet
Housing Material	Aluminum Alloy
Operating Voltage	24/48V AC
Current	3-Phases-AC
Total Turbine Mass	9 kg
Max. Noise	40 dB
Life Expectancy	> 30 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	1,6 m
Swept Area	2,01 m <sup>2</sup>
Blade Material	Reinforced Fiberglass
Weight per Turbine Blade	0,25 kg
Hub Flange	Cast Steel
Starting Wind Speed	3 m/s
Charging Wind Speed (Approx)	3,7 m/s
Max. RPM	600
Wind Tracking Direction	360°
Braking Method	EM Brake
Color	White/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