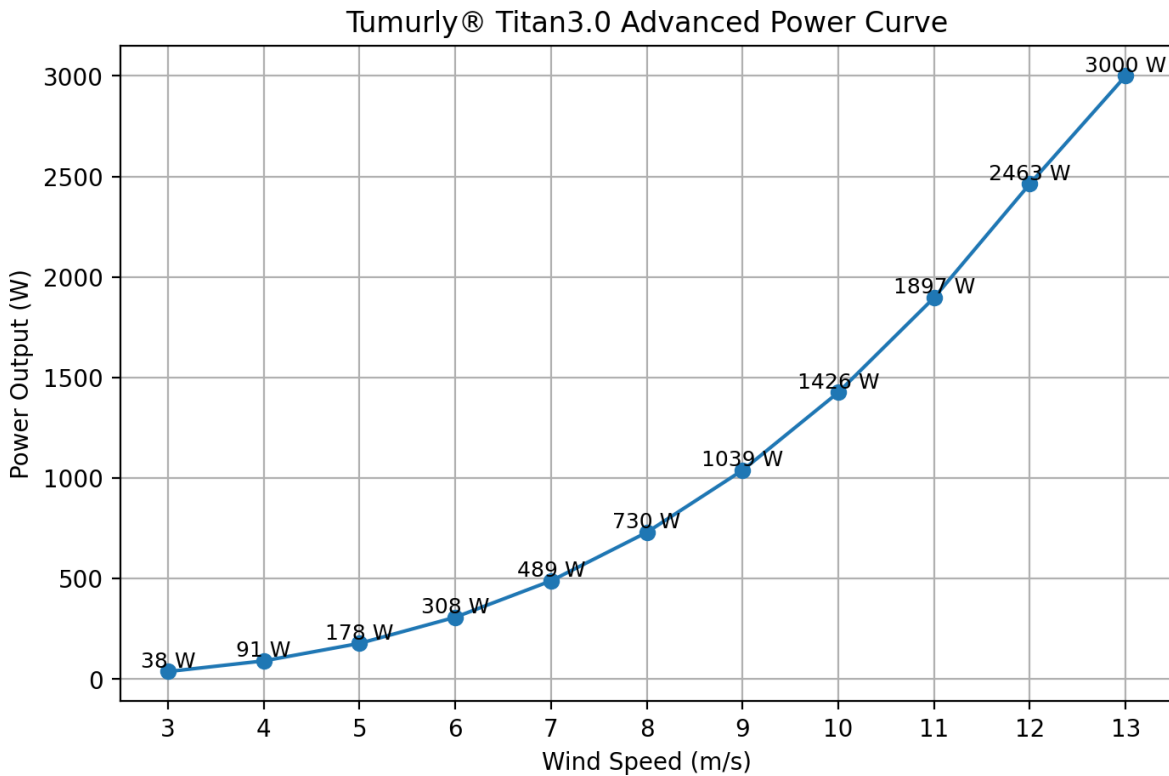


# Performance Report



## Tumurly® Titan3.0 Advanced



The Tumurly® Titan3.0 Advanced is a high-efficiency 3.0 kW wind turbine developed through extensive R&D to deliver reliable and stable performance in small-scale wind energy applications. Rated at a wind speed of 13 m/s, the turbine features a 3.20 m rotor diameter, providing optimized aerodynamic performance and efficient energy capture under standard air density conditions ( $1.225 \text{ kg/m}^3$ ).

Equipped with a Permanent Magnet Generator (PMG) and aerodynamically optimized fiberglass blades, the Titan3.0 operates from a low cut-in wind speed of 3 m/s, ensuring consistent energy generation in low and moderate wind environments. Its robust mechanical design and maintenance-free sliding contact system enable smooth, low-noise operation, while braking at wind speeds above 15 m/s ensures effective system protection and long-term durability. Fully compliant with CE and UKCA standards, the Titan3.0 meets international performance and safety requirements.