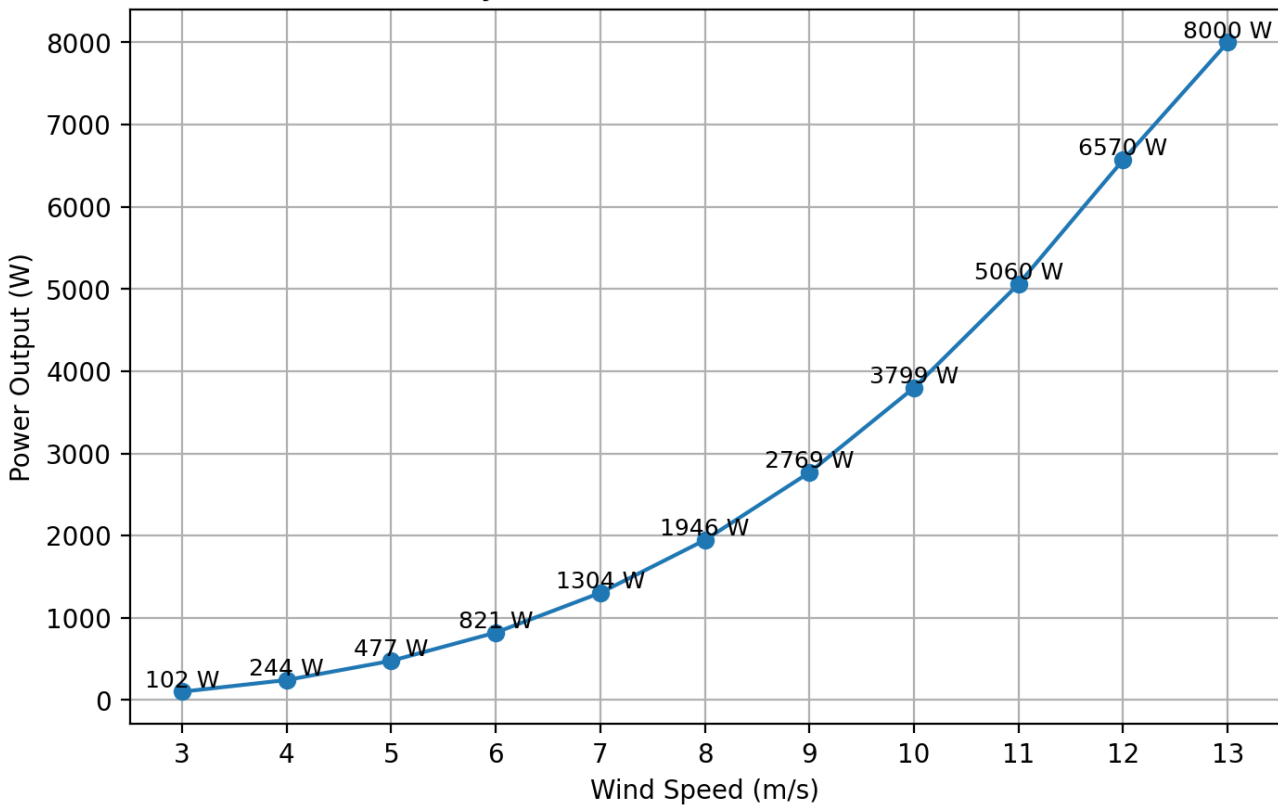


# Performance Report



## Tumurly® Titan8.0 Advanced

Tumurly® Titan8.0 Advanced Power Curve



The Tumurly® Titan8.0 Advanced is a high-performance 8.0 kW wind turbine developed through extensive R&D to deliver superior efficiency, reliability, and stable operation for small and medium-scale wind energy applications. Rated at a wind speed of 13 m/s, the turbine features a 4.64 m rotor diameter, providing an increased swept area for enhanced energy capture and optimized aerodynamic performance under standard air density conditions ( $1.225 \text{ kg/m}^3$ ).

Equipped with a high-efficiency Permanent Magnet Generator (PMG) and aerodynamically optimized fiberglass blades, the Titan8.0 operates from a low cut-in wind speed of 3 m/s, ensuring consistent power generation across low and moderate wind regimes. 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 Titan8.0 meets international performance and safety requirements.