



# KW6

## The World's Most Robust Small Scale Wind Turbine

The KW6 wind turbine stands out from all other small scale wind turbines due to its unique blade and hinge design which allows it to regulate its rotational speed, maximising output - as the wind gets stronger the blades pitch and cone, protecting the turbine and allowing continual operation during the fiercest of storms.

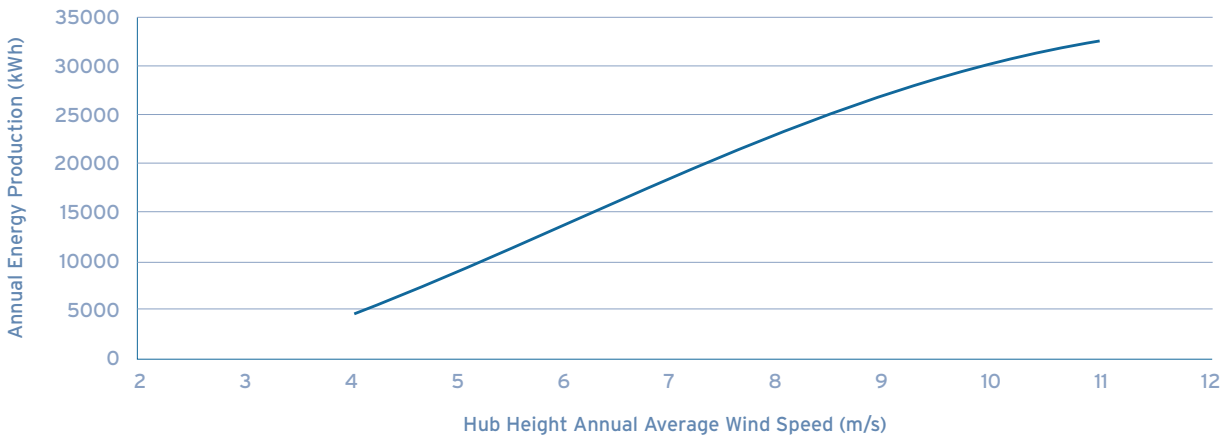
Kingspan KW6 wind turbine is the result of over 30 years research and development and born from a global installed fleet size in excess of 2500 turbines.

# KW6 Product Specifications

KW6	
Rated Power	5.2kW (1min average at 11m/s)
Peak Power	6.1kW
Reference Annual Energy (RAE)*	8,949 kWh
Applications	Rural Domestic, Small Holding, Agricultural, Commercial, Telecoms, Public Sector, Remote Islands
Solutions	Grid Tied, Battery Charging, 48V DC - 300V DC, Direct Heating
Voltages Available	48V DC / 300V DC
Grid connection options	Single / Dual / Three phase
Architecture	Downwind, 3 Bladed, Self Regulating
Rotor	5.6m diameter, 200RPM at Rated Power. Thrust 10kN
Blade Material	Glass Thermoplastic Composite
Generator Type	Brushless Direct Drive Permanent Magnet
Tower Heights	9m / 11.6m / 15m / 20m (Flange Bolted / Taper Fit Monopole - Hydraulic options available)
Foundation Options	Pad / Root / Rock Anchor options
Cut In Speed	3.5 m/s
Cut Out Speed	None - continuous operation
Survival Wind Speed	Designed to Class 1 (70m/s) Independently tested to Class 2 (59.5m/s)
Warranty	5 year standard
Cold Climate Options	Available on request

\* RAE is annual energy production at 5m/s measured at 10m hub height.

## Annual Energy Production KW6



The AEP Curve (Annual Energy Production) demonstrates the energy the KW6 will generate on sites with the wind speeds indicated. The ability to calculate kWh per annum allows for estimations of financial viability and payback. Energy performance estimates are based upon a standardised method using publicly available information. It is given as guidance only. Performance of wind turbine systems varies from location to location and from year to year. Your chosen installer will advise of site specific performance characteristics.



Contact us now for further information

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