

KINGSPAN WIND

WORLD LEADING

EXPERTS IN SMALL WIND

WHY CHOOSE A KINGSPAN SMALL WIND TURBINE?

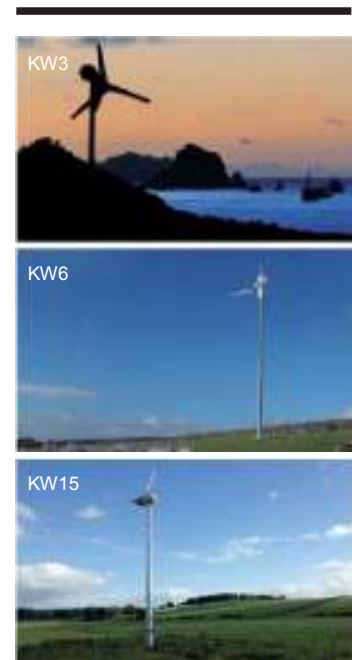
Kingspan Wind is part of Kingspan Environmental Ltd, a global leader in distributed energy, water and environmental management. We're harnessing nature to work for you and for a better environment.

Kingspan Wind turbines are designed to last the course, having already surpassed over 25 years' successful operation around the globe*. When serviced in line with our recommendations, a 25-year product lifespan is expected. Designed, tested, certified and manufactured in Great Britain, over 90% of our supply chain and bill of materials is sourced in the UK.

Born as the result of over 30 years' research, development and innovation with installations in over 70 countries and on every continent. From rural domestic installations in the UK & Europe, remote islands in the Falklands, off-shore oil platforms in the North Sea to a world first application in Antarctica, Kingspan Wind offers unrivalled wind power solutions the world over.

Our wind turbines are recognised for their outstanding performance, durability and unrivalled run time.

The Kingspan Wind range stands out from other small wind turbines due to our unique delta rotor design, which allows our turbines to regulate their speed. As the wind gets stronger, the blades pitch and cone ensuring our turbines maintain a high output even in the fiercest storms, unlike many turbines which need to be put on brake to protect themselves during high winds.



OUR SERVICES INCLUDE:

- › Site Assessment & Feasibility
- › System Design
- › Planning Support
- › Installation & Commissioning
- › Servicing Contracts
- › Data Monitoring

* Refers to KW3 & KW6

SIMPLE DESIGN. EXCEPTIONAL PERFORMANCE.



SIMPLE. AFFORDABLE. RELIABLE.

Downwind technology with simplicity at the heart of its design – few moving parts and no gearbox!

- › **NO SHUT DOWN IN HIGH WINDS**
- › **SELF REGULATING**

Kingspan Wind Turbines are serviced at ground level thanks to our hydraulic tower system. This ensures no expensive cranes are required for installation or servicing.

- › **LOW COST OF OWNERSHIP**
- › **QUICK SERVICE INSPECTIONS**

Our Warranty covers both Parts & Labour. This comprehensive approach offers customers peace of mind on the investment!

- › **CUSTOMER PROTECTION**
- › **PEACE OF MIND**

Independently tested to IEC 61400-2, the International Standard for Small Wind Technology*

- › **VERIFIED PERFORMANCE DATA**
- › **ELIGIBLE FOR INCENTIVES & TARIFFS**

Variety of tower heights and colours available, to suit site location and local planning requirements

- › **LOW VISUAL IMPACT**
- › **NOW AVAILABLE IN GREY**

Grid friendly product range, can be connected as Single Phase, Split Phase & Three Phase options

- › **SIMPLE GRID CONNECTION**
- › **OFF-GRID SOLUTIONS**



The KW3 is the smallest turbine in the Kingspan Wind range. Ideally suited for remote access sites, small domestic properties, telecoms and off-grid applications.

Offering an unrivalled over 25-year track record, the KW3 is amongst the most sought after small wind turbines in the world.

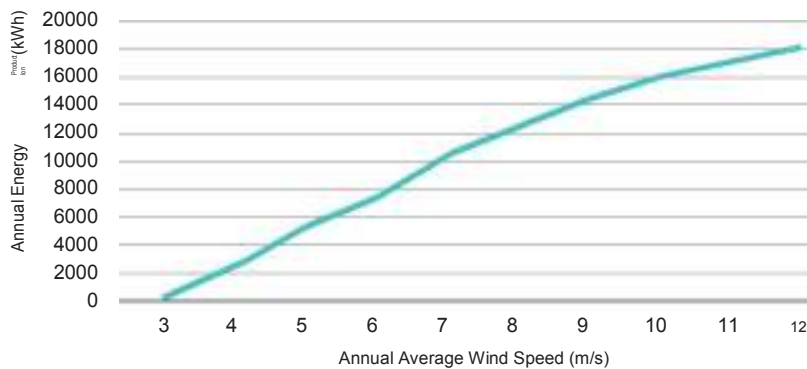
BUILD MATERIALS AND COLOURS

- ▶ Towers: Galvanised steel
- ▶ Blades: Glass thermoplastic composite, black or white
- ▶ Covers: Plastic.
 - Black (RAL 9005)
 - White (RAL 9003)

KW3 PRODUCT SPECIFICATIONS

Rated Power (1 min avg at 11 m/s)	2.5kW
Peak Power (1 min avg)	3.2kW
Reference Annual Energy (RAE)*	4,700 kWh
Applications	Telecoms stations, Unmanned off-shore oil platforms, Domestic properties
Voltages Available	24V DC / 48V DC / 300V AC
Rotor Diameter	3.9m
Tower Height	6.5m/11m
Cut in	3.5 m/s
Cut out	N/A
Survival speed	Designed to Class 1 (70 m/s)

KW3 ANNUAL ENERGY PRODUCTION*



* The AEP (Annual Energy Production) Curve demonstrates the energy the KW3 will generate on sites with a given average wind speed at hub height. The ability to calculate kWh/year allows for clear estimations of financial viability to be calculated.