

Proven 35-2

PRODUCT SHEET

PROVEN
ENERGY
ESTABLISHED IN 1980

Established in Scotland in 1980 Proven Energy is an industry leader manufacturing and supplying many hundreds of wind turbines every year. With an operational fleet spanning 60 countries and every continent Proven Energy's high performance wind turbines accrue over 30 million run hours annually.

Inspiration, innovation and a commitment to development have ensured these wind turbines produce electricity in a variety of wind regimes without the necessity to be stopped for self protection.

The Proven 35-2 wind turbine is the latest addition to the Proven Energy product suite and is fully certified to the Microgeneration Certification Scheme (MCS).

Proven Energy products stand out from other small wind turbines because of their patented blade hinge design, which allows the wind turbines to regulate their speed, optimising output. As the wind gets stronger, the blades pitch and cone to reduce their aerodynamic efficiency.

The wind turbines use a direct drive generator and therefore have no gearbox, resulting in higher reliability, reduced noise, lower servicing costs and no reduction in performance in cold weather.



Stately home,
England

600+

Proven 35-2 wind turbines installed
globally



Land owner,
New Hampshire

Proven 35-2 product specifications

Wind turbine type	Down-wind, self regulating rotor Direct drive with permanent magnet generator	Tower heights and types	15m and 20m monopoles gin pole and hydraulic options Lattice option in North America
Rated power	12.1kW	Connections	Grid connect
Rotor diameter	8.5m	Cut-in speed	3.5m/s
RAE	23,200kWh (based on 5m/s wind speed at hub height)	Cut-out speed	None

Specifications are subject to change without notice

Nov 2010

WWW.PROVENENERGY.COM

01355 597 000

INFO@PROVENENERGY.COM

Proven 35-2

PRODUCT SHEET



Application matrix			
Application	Grid connected - Single phase - Three phase	Wind turbine	300v wind turbine - Black - White
Controller options	300v grid connect controller	Tower options	- 15m gin pole tilt tower - 20m hydraulic tilt tower - 15m hydraulic tilt tower (coming soon)

“We are extremely happy with the current performance of our two Proven 35-2 wind turbines. We’ve seen 24,000 kWh out of them in only two months, which actually exceeds our expectations.”

John Scott, P35-2 owner, livestock farm, Scotland



Land owner, Yorkshire

The AEP Curve (Annual Energy Production), which is independently tested as part of MCS certification demonstrates the energy the Proven 35-2 wind turbine 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.



Livestock farm, Scotland

Proven 35-2 Annual Energy Production

