



Technical Specification Sheet

MODEL

Proven 6kW

Cut In (mph) ¹	5
Cut Out (mph)	none
Survival (mph)	156
Rated (mph)	27
Rotor Type	Downwind, Self Regulating
No. of Blades	3
Blade Material	Thermoplastic glass composite
Rotor Diameter (ft)	18
Generator Type	Brushless, Direct Drive, Permanent Magnet
Battery charging	48V DC

Grid connect with	230Vac 50Hz or 240Vac 60Hz
Windy Boy Inverter	240Vac
Direct Heating	200
Rated RPM	6,000–12,000 kWh
Annual Output ²	1,323
Head Weight (lbs)	Tilt-up, tapered, self-supporting, no guy wires
Mast Type	30ft or 49ft (taller towers also available upon request)
Hub Height (ft)	8 or 14

WT Found (yd ³)	1.3 or 3
Winch Found (yd ³)	794 or 1,446
Tower Weight (lbs)	yes
Mechanical Brake	45 dBA
Noise ³ @ 11mph	65 dBA
Noise @ 45mph	10
Rotor Thrust (kN)	
Sample of commercial customers	British Telecom

Scottish Youth Hostel Association
British Rail
Irish Lighthouse Authority
UK Lighthouse Authority
T-mobile
Orange
Shell Exploration
Saudi Aramco

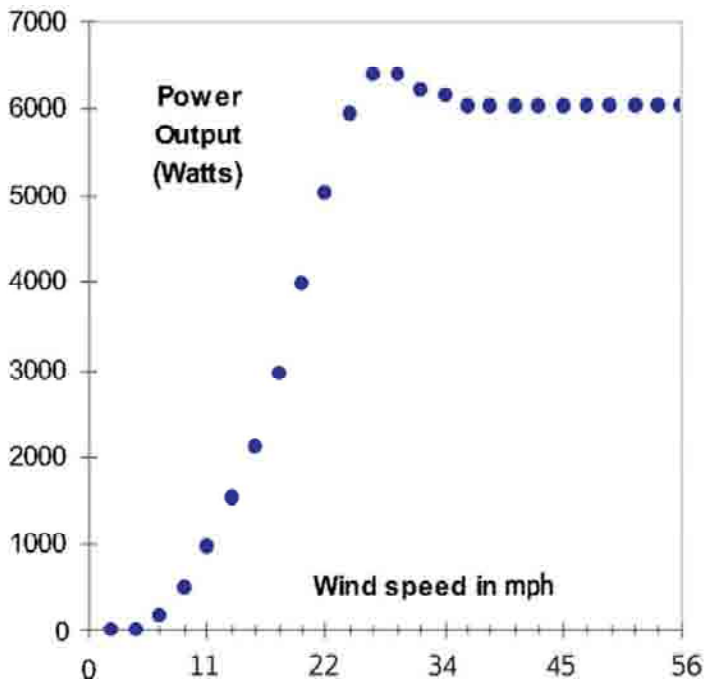
Proven Patented Furling

In winds of above 25mph, the Proven's blades twist to limit power in response to high rpm. In higher winds, the blades will begin to cone, reducing the rotor diameter, to maintain a constant rpm.

Low Speed Equals Durability

Marine Build Quality

All machines are manufactured with **galvanized steel**, **stainless steel** & **plastic** components



1 mile per hour = 13.6kph = 0.45 metre/second

2 Output range is quoted to cover typical average wind speeds (annual). Lighter wind sites with typical 10mph will produce lower end of range. Higher wind speed sites e.g. 13.5mph average will produce upper end of range.

3 All readings taken with an ATP SL-25 dBA meter at the base of the tower at a height of 5ft.

* A car passing 65ft away @ approx 40 mph is 70-80dBA