

Technical Specification Sheet



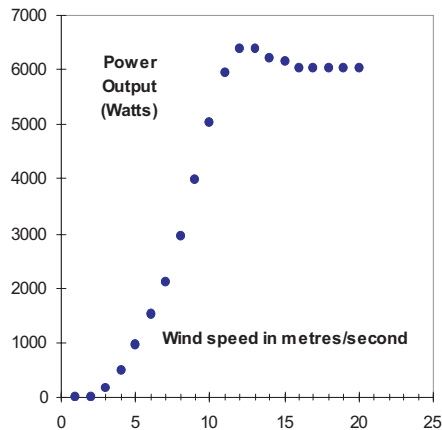
Proven Patented Furling

In winds of above 12m/s or 25mph, the Proven's blades twist to limit power in response to high rpm

Low Speed Equals Durability

Marine Build Quality

All machines are manufactured with galvanised steel, stainless steel & plastic components



MODEL	Proven 6 (6kW)
Cut In (m/s) ¹	2.5
Cut Out m/s)	None
Survival m/s)	70
Rated (m/s)	12
Rotor Type	Downwind, Self Regulating
No. of Blades	3
Blade Material	Glassthermoplastic Composite
Rotor Diameter(m)	5.5
Generator Type	Brushless, Direct Drive, Permanent Magnet
Battery charging	48V DC
Grid connect with	
<i>Windy Boy Inverter</i>	230Vac 50Hz or 240 Vac 60Hz
Direct Heating	ac
Rated RPM	200
Annual Output ²	6,000-12,000 kWh
Head Weight (kg)	600
Mast Type	Tilt-up, tapered, self-supporting, no guy wires (Taller guyed towers also available on request)
Hub Height (m)	9 or 15
WT Found (m)	2.5x2.5x1 or 3x3x1.2
Winch Found (m)	1x1x1 or 1.5x1.5x1
Tower Weight (kg)	360 or 656
Mechanical Brake	Yes
Noise ³ @ 5m/s	45 dBA
Noise @ 20m/s	65 dBA
Rotor Thrust (kN)	10
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

¹ metre/second = 2.24 miles per hour=3.6kph

² Output range is quoted to cover typical average wind speeds (annual). Lighter wind sites with typical 4.5m/s will produce lower end of range. Higher wind speed sites e.g. 6.5m/s 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 1.5m.

* A car passing 20m away @ approx 40 mph is 70-80dBA