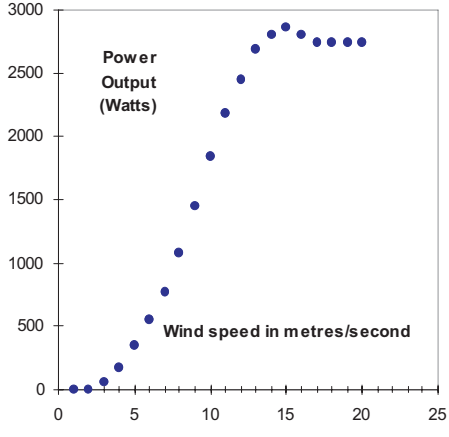
Proven Patented Furling

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

Technical Specification Sheet

MODEL	Proven 2.5 (2.5kW)
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	Polypropylene
Rotor Diameter(m)	3.5
Generator Type	Brushless, Direct Drive, Permanent Magnet
Battery charging	24 or 48V DC
Grid connect with *Windy Boy Inverter*	230Vac 50Hz or 240 Vac 60Hz
Direct Heating	240Vac
Rated RPM	300
Annual Output[2]	2,500-5,000 kWh
Head Weight (kg)	190
Mast Type	Tilt-up, tapered, self-supporting, no guy wires (Taller guyed towers also available on request)
Hub Height (m)	6.5 or 11
WT Found (m)	1.6x1.6x1 or 2.5x2.5x1
Winch Found (m)	0.65x0.65x0.65 or 1x1x1
Tower Weight (kg)	241 or 445
Mechanical Brake	Yes
Noise[3] @ 5m/s	40 dBA
Noise @ 20m/s	60 dBA
Rotor Thrust (kN)	5
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