

Technical Specification Sheet



MODEL	Proven 15 (15kW)
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)	9
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	240V ac
Rated RPM	150
Annual Output ²	15,000-30,000 kWh
Head Weight (kg)	1100
Mast Type	Tilt-up, tapered, self-supporting, no guy wires (Taller guyed towers also available on request)
Hub Height (m)	15 or 25
WT Found (m)	3.7x3.7x1.2 or 5x5x2
Winch Found (m)	1.5x1.5x1.2
	(no anchor foundation for 25m)
Tower Weight (kg)	1478 or 2794
Mechanical Brake	Yes
Noise ³ @ 5m/s	48 dBA
Noise @ 20m/s	65 dBA
Rotor Thrust (kN)	26
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

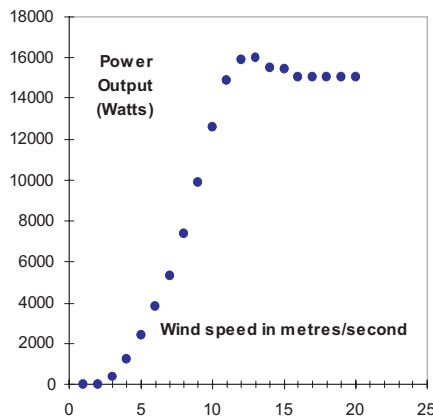
Proven Patented Furling

In winds of above 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



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