

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

230Vac 50Hz or 240 Vac 60Hz

Windy Boy Inverter

Direct Heating

240V ac

Rated RPM

150

Annual Output²

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

Noise³ @ 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

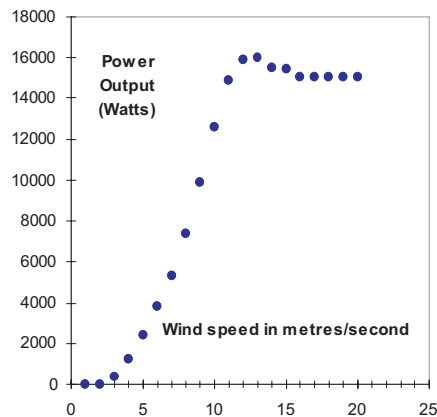
Proven Patented Furling

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