

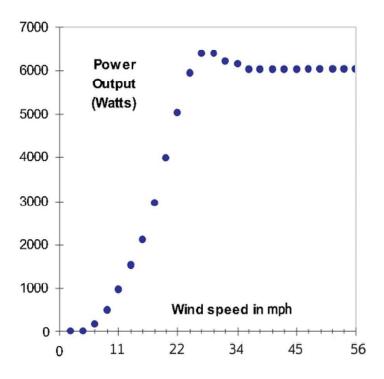
## **Proven Patented Furling**

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



## **Technical Specification Sheet**

Cut In (mph)15Cut Out (mph)noneSurvival (mph)156Rated (mph)27

Rotor Type Downwind, Self Regulating

No. of Blades

Blade Material Thermoplastic glass composite

Rotor Diameter (ft) 1

**Generator Type** Brushless, Direct Drive, Permanent

Magnet 48V DC

Battery charging Grid connect with Windy Boy Inverter Direct Heating Rated RPM Annual Output<sup>2</sup>

Head Weight (lbs)

230Vac 50Hz or 240Vac 60Hz

240Vac 200

nnual Output<sup>2</sup> 6,000–12,000 kWh

1,323

Mast Type Tilt-up, tapered, self-supporting, no

guy wires

**Hub Height (ft)** 30ft or 49ft (taller towers also

available upon request)

WT Found (yd³) 8 or 14
Winch Found (yd³) 1.3 or 3
Tower Weight (lbs) 794 or 1,446

Mechanical BrakeyesNoise 3@ 11mph45 dBANoise @ 45mph65 dBARotor 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

<sup>1</sup> mile per hour = 13.6kph = 0.45 metre/second

<sup>2</sup> 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.

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

<sup>\*</sup> A car passing 65ft away @ approx 40 mph is 70-80dBA