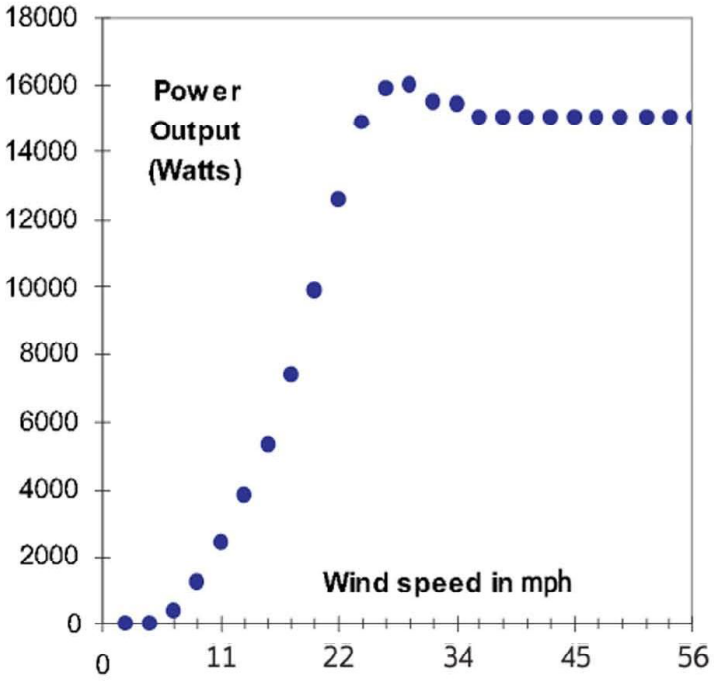
Proven Patented Furling

In winds of above 25mph, the Proven's blades twist to limit power in response to high rpm. In higher winds, the blades willl 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

MODEL	Proven 15kW
Cut In (mph)[1]	5
Cut Out (mph)	none
Survival (mph)	156
Rated (mph)	27
Rotor Type	Downwind, Self Regulating
No. of Blades	3
Blade Material	Thermoplastic glass composite
Rotor Diameter (ft)	29.5
Generator Type	Brushless, Direct Drive, Permanent Magnet
Battery charging	48V DC
Grid connect with Windy Boy Inverter	230Vac 50Hz or 240Vac 60Hz
Rated RPM	150
Annual Output[2]	15,000–30,000 kWh
Head Weight (lbs)	2,424
Mast Type	Tilt-up, tapered, self-supporting, no guy wires
Hub Height (ft)	49ft or 82ft (taller towers also available upon request)
WT Found (yd^3)	21 or 65
Winch Found (yd^3)	3 (no anchor foundation for 82ft)
Tower Weight (lbs)	3,258 or 6,160
Mechanical Brake	yes
Noise[3]**@ 11mph**	48 dBA
Noise @ 45mph	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

1 mile per hour = 13.6kph = 0.45 metre/second

2 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.

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

* A car passing 65ft away @ approx 40 mph is 70-80dBA