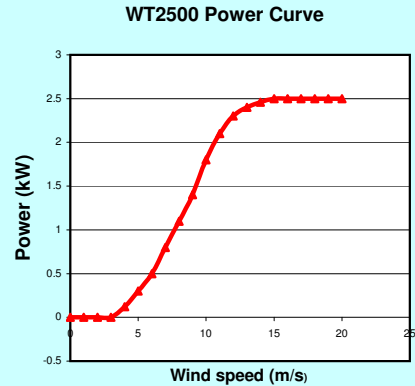


## Proven WT2500 2.5kW Wind Turbine

### Proven TM650/TM1100, 6.5m/11m Un-Guyed Mast

#### Rotor Speed Control

Above 12m/s (25mph) the blade twist to limit the power in response to high rpm.



#### High Build Quality

All Components are hot-dipped galvanised steel, stainless steel or plastic. All bearings are triple sealed.

<b>Performance</b>	
Cut - in Wind Speed	2.5 metres/second (5.6 mph)
Cut - out Wind Speed	>70 metres/second (>155 mph)
Rated Wind Speed	12 metres/second (26 mph)
<b>Rotor</b>	
Type	Downwind, Self - Regulating
Number of Blades	3, Flexible
Blade Material	Polypropylene
Rotor Diameter	3.5
Rated RPM	300
Rotor Thrust (kN)	5
<b>Generator</b>	
Type	Brushless, Direct Drive permanent Magnet (No gear-box, zero maintenance)
Output	Grid connect (230Vac 50Hz or 240Vac 60Hz), Battery Charging (24 or 48V DC), Direct Heating (240Vac)
Rated Power	2500 watts
Annual Output	2,500 - 5,000 kWh depending on site

#### Low Speed Equals Durability

Low rotor speed (half of the speed of comparable machines) ensures extended durability of blades and bearings. It also means that Proven WTs are the quietest in the world!

<b>Mast</b>	
Type	Tapered, Hinged, Self Supporting
Hub Height	6.5 or 11m
Foundation	1.6x1.6x1m <sup>3</sup> or 2.5x2.5x1m <sup>3</sup> Concrete
<b>Noise</b>	
40dB	At 5m/s
60dB	At 20m/s
70-80dB	Car 15m away speeding at approx 40mph (18m/s)
<b>Weight</b>	
WT2500	190 kg
TM650	241 kg
TM1100	445 kg

**Sample of Commercial Customers**  
 British Telecom/Scottish Youth Hostel Association/Saudi Aramco/Irish Lighthouse Authority/Welsh Water/British Rail/Shell Exploration/T-mobile/Orange