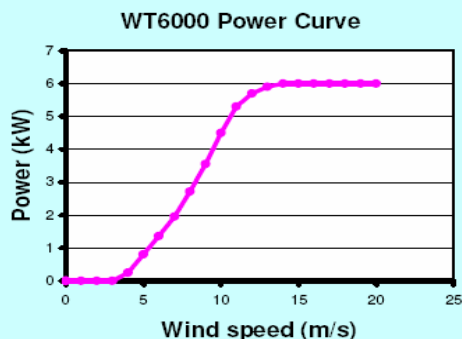


## Proven 6; 6kW Wind Turbine

### Proven TM900/TM1500, 9m/15m 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.

<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 Glassthermoplastic Composite Rotor Diameter 5.5m Rated RPM 200 Rotor Thrust (kN) 10
<b>Generator</b>	Type Brushless, Direct Drive permanent Magnet (No gear-box, zero maintenance) Grid connect (300Vdc 50Hz or 300Vdc 60Hz), Battery Charging (48V DC), Direct Heating (240V Switch DC) Output 6000 watts Rated Power 6000 watts Annual Output 6,000 - 12,000 kWh depending on site
<b>Mast</b>	Type Tapered, Hinged, Self Supporting Hub Height 9 or 15m Foundation 2.5x2.5x1m <sup>3</sup> (TM900) or 3x3x1.2m <sup>3</sup> (TM1500) Concrete
<b>Noise</b>	all readings taken with an ATP SL-25 portable meter 45dB At 5m/s 65dB At 20m/s 70-80dB Car 15m away speeding at approx 40mph (18m/s)
<b>Weight</b>	WT6000 600 kg TM900 360 kg TM1500 656 kg
<b>Sample of Commercial Customers</b>	British Telecom/Scottish Youth Hostel Association/Saudi Aramco/Irish Lighthouse Authority/Welsh Water/British Rail/Shell Exploration/T-mobile/Orange

#### 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!