

# PROVEN 3.2 (3.2kW wind turbine)

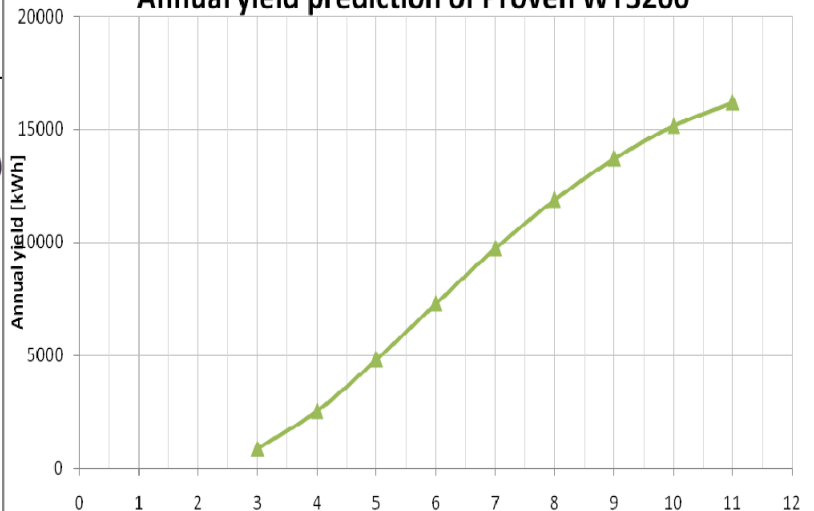
## PROVEN TM650 / TM1100 (6.5m / 11m self-supporting towers)

### Rotor Speed Control

Above 12m/s the blades cone to self-adjust the rpm



### Annual yield prediction of Proven WT3200



Based on a 10m tower, 10m anemometer height: turbine installed at sea level, ambient temperature of 15 deg C, Raleigh wind speed distribution. This is an estimate only, your results may vary

### High Build Quality

Most components are hot-dip galvanised steel, stainless steel or plastic

#### Performance

Cut-in wind speed	2.5 m/s	5 mph
Cut-out wind speed	None	
Rated wind speed	11 m/s	25 mph

#### Rotor

Type	Downwind, self-regulating	
Number of blades	3	
Blade material	Glass Polypropylene composite	
Rotor diameter	3.5 m	11.48 ft
Rated speed	300 RPM	
Maximum rotor thrust	5 kN	

#### Generator

Type	Brushless, direct drive, permanent magnet	
Output	Grid connect 300V DC	
Power	Rated	2500 W
	Peak	3200 W

### Low Speed Equals Durability

Low rotor speed ensures extended durability of blades and bearings. It also means that Proven wind turbines are extremely quiet.

#### Tower

Type	Self-supporting, hinged, monopole tower
Hub height	6.5 m or 11 m
Foundation size	2.2 x 2.2 x 1.2 or 2.6 x 2.6 x 1.2 concrete

#### Weight

Proven 3.2	190 kg
TM650	241 kg
TM1100	445 kg

#### What will it power?

A standard three bedroom house (excluding heating) or a 1,500 ft² facility, or a telecoms base station.