

## K600

w i n d t u r b i n e

### Specifications

The K600 is one of the smaller turbines in the Kestrel range. Every feature is designed to make renewable energy accessible to everyone on a personal scale.

Its cut in speed is low to create almost perpetual energy for the owner that is reliable and long-lasting. The durability of the K600 has been proven as current installations are flourishing in winds in excess of 150km/h.

Modern living requires a massive amount of energy that is depleting fossil fuels. The K600 generates renewable, supplementary and cost-saving energy as often as the wind blows.

### Design

The six aerofoil blade design is a self-regulating aerodynamic rotor which allows the K600 to generate usable energy silently.

Only 1,5m in diameter it is popular in urban areas as it harvests energy from the air at low wind speeds.

### Applications

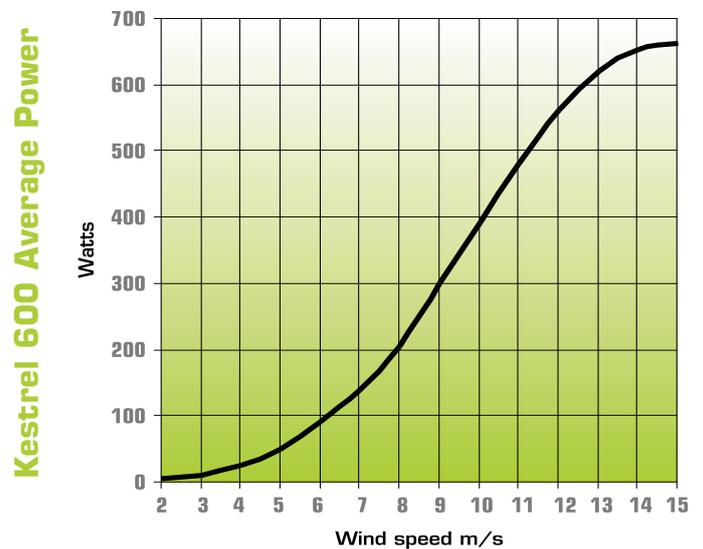
- Cost saving mechanism, replacing noisy generators
- Boost solar panel installations with hybrid generation
- Small wind farm installations
- Adaptable in all supplementary functions

**A powerful, but unobtrusive, 600 watts from a unique six blade turbine and rotor**

**Affordable electricity all year round on windy sites**

**Reliable and convenient with a long life design**

**Suitable for urban living**



## Specifications

Rated Power	600w
Rated Windspeed	13m/s
Rated Rotational Speed	800rpm
Maximum Power	650w from 14m/s
Cut in Windspeed	2.8m/s
Alternator Type	Axial Flux
Rotor Diameter	1.5m
Number of Blades	6
Type of Blades	Full Aerofoil
Tower Top Weight	20kg
Speed Control	Rotor Turbulence
Emergency Brake	-
Regulator	Dump or Shunt
Standard Volts (dc)	12, 24, 48, 220
Protection	IP55

Rated output is achieved at the rated wind speed at sea level. Rated rotational speed is the turbine rpm for the full output.

The full aerofoil blades are moulded from glass fibre and protected from dust and moisture.

Rotor turbulence refers to self stalling, which allows for almost silent power output.

and its international affiliates are committed to renewable energy generation and reducing the use of fossil fuel or thermal energy, with high carbon emissions. Wind power addresses most of the current issues of present power generation options. Kestrel manufactures are continuously developing small wind turbines that efficiently yield enough energy to supplement personal or small business energy demands. All distributors and dealers of Kestrel products are trained to support all the requirements of the customers.

## Power Generation



Power output is low maintenance as routine maintenance is based on visual assessments. With a maximum instantaneous power rating of 650w, annual energy harvests exceed 2600kwh. Energy may be harvested at any different wind speed exceeding cut in speed but rated output is maintained at any different wind speed exceeding rated wind speed.

Results may vary based on wind distribution, topology, tower height and altitude. In order to estimate ones own potential energy harvest an average wind speed must be used.

Note: Specifications may vary with continuing development and innovation.



Kestrel 600 (48v) Annual Harvest

