

UGE-4K 2nd Generation VAWT

With Urban Green Energy's UGE-4K, you can make your own energy choice and ensure your energy is provided by 100% clean, renewable energy. Quieter than a human whisper, the UGE-4K can be installed on a tower, on a roof, or just about anywhere!

The UGE-4K was designed to power an average American home when the average wind speed is just over 10 mph (16 km/h).

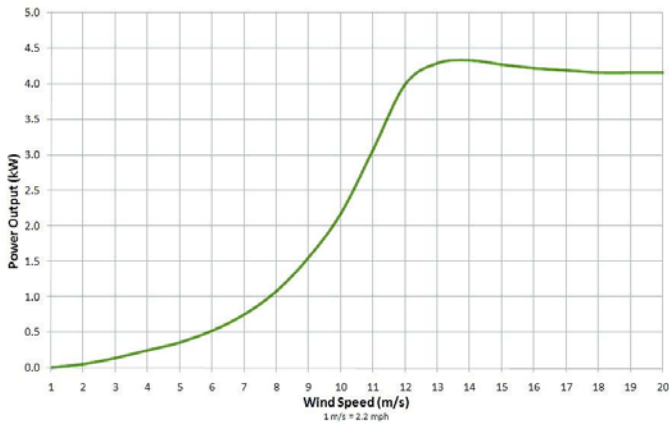
Grid-tie functionality means that when you generate extra electricity it is sold to your utility company; when your wind turbine isn't producing enough electricity the grid will automatically provide required electricity.

Using multiple wind turbines will provide even more power.

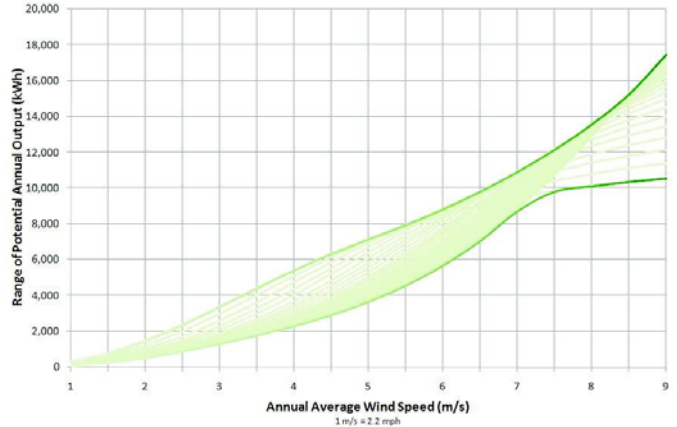


Specifications

UGE-4K 2nd Generation VAWT Power Curve



UGE-4K 2nd Generation VAWT - Annual Output



Performance:

- Rated Power - 4 kW
- Rated Wind Speed - 12 m/s
- Operating Range - 3 - 25 m/s
- Maximum Wind Speed - 50 m/s
- Noise Level at 3 Meter Distance:
 - @ <7 m/s - < 27 DB
 - @ 7 - 10 m/s - < 32 DB
 - @ 10 - 13 m/s - < 37 DB

Physical Parameters:

- Mill Size - 4.2m x 2.75m
- Tower Height (Standard) - 5.5m
- Gross Weight w/o Tower - 200kg
- Gross Weight w/ Tower - 500kg
- Gross Weight w. Roof mount - 350kg

Generator:

Type - Permanent magnet direct drive generator
Temperature range - -40oC to 115oC

Wind Interface Box: Output: 0-600Vdc

Grid-tie Inverter: Input: 50 - 580Vdc

Battery back-up is available as an option.