



 **BEST WATT**
100% **YOUR** energy

 **infinite**

PRODUCT

INFORMATION



PRODUCT INFORMATION

- Infinite Renewables offers three sizes of Bestwatt turbines for the UK: 15kW/45kW/80kW
- Manufactured in Germany and Netherlands using high quality components
- Over 400 turbine installations across Europe
- 24/7 Remote monitoring by the turbine manufacturer
- 20 year insurance backed maintenance contracts with availability guarantee

For further information contact the Infinite Team

 01656 644477

 hello@infiniterenewables.com

BW15

TECHNICAL SPECIFICATIONS

BESTWATT	BW15	BW45	BW80
Rotor diameter	10,7 meter	15,9 meter	15,9 meter
Rotor surface	89,5 m ²	199 m ²	199 m ²
Rated Power	15kW	45kW	80kW
Brake	Blade tips (hydraulic)	Blade tips (hydraulic)	Blade tips (hydraulic)
Transmission	Gearbox linear	Gearbox linear	Gearbox linear
Speed operating range	40 – 80 rpm	30-65 rpm	30-70 rpm
Hub height	15, 20, 25, 30 meter	15, 20, 25, 30 meter	15, 20, 25, 30 meter
Generator	Asynchronous	Asynchronous	Asynchronous
Yaw system	Active	Active	Active
Cut-in wind speed	3 m/s	3,5 m/s	3,5 m/s
Shut-down wind speed	25 m/s	25 m/s	25 m/s
Survival wind speed	60 m/s	60 m/s	60 m/s
SF6 gas application	no	no	no

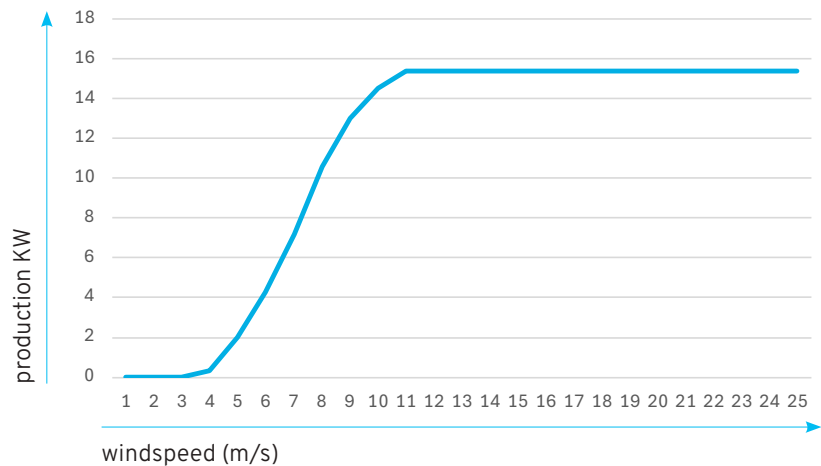
POWERCURVES

The figures shown are based on averages of installed locations and wind speeds. Figures can vary considerably for each location. The numbers below are therefore indicative and no rights can be derived from them.

Basis: Rayleigh; air density 1.225 kg/m³. Availability 100%

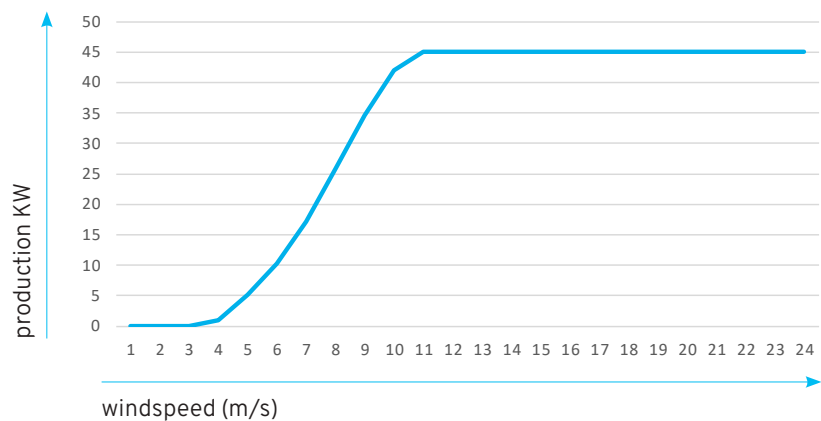
BW15 | 15KW

Annual Wind-speed Average	Estimated Annual Energy Production (KWH/year)
4m/s	25.300
4,5m/s	29.300
5m/s	33.400
5,5m/s	37.200
6m/s	40.000
6,5m/s	40.000
7m/s	40.000
7,5m/s	40.000
8m/s	40.000
8,5m/s	40.000
9m/s	40.000
9,5m/s	40.000
10m/s	40.000



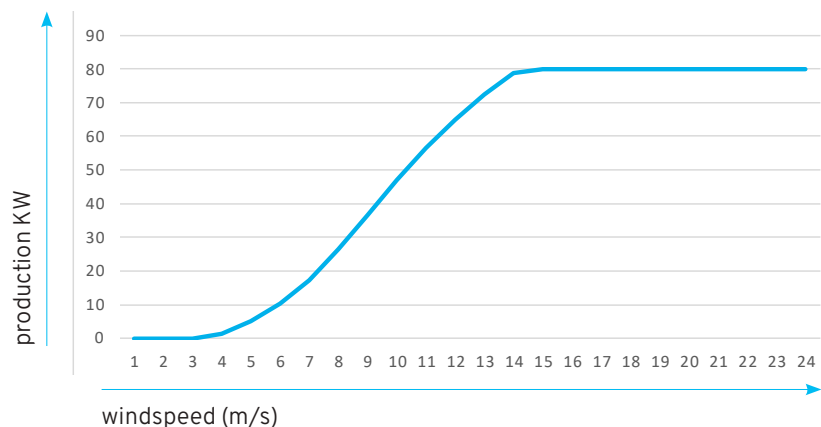
BW45 | 45KW

Annual Wind-speed Average	Estimated Annual Energy Production (KWH/year)
4m/s	44.000
4,5m/s	55.000
5m/s	65.000
5,5m/s	78.000
6m/s	89.000
6,5m/s	95.000
7m/s	107.000
7,5m/s	118.000
8m/s	118.000
8,5m/s	118.000
9m/s	118.000
9,5m/s	118.000
10m/s	118.000



BW80 | 80KW

Annual Wind-speed Average	Estimated Annual Energy Production (KWH/year)
4m/s	44.000
4,5m/s	55.000
5m/s	76.000
5,5m/s	104.000
6m/s	111.000
6,5m/s	125.000
7m/s	134.000
7,5m/s	160.000
8m/s	178.000
8,5m/s	190.000
9m/s	200.000
9,5m/s	200.000
10m/s	200.000





WIND ENERGY

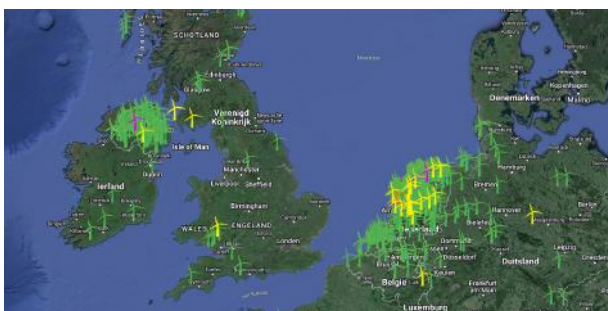
More and more companies are choosing small wind turbines. This is how you get the best out of the wind.

SOLAR ENERGY

The sun is an inexhaustible source. Modern solar panels have a high efficiency at a low cost. This is how you get the best out of the sun.

STORAGE

Sometimes nature generates more solar and wind energy than you need. With our storage solution, you can use this energy whenever it suits you.



Infinite Renewables Ltd,
1000B Central Park,
Western Avenue,
Bridgend, CF31 3RT



01656 644477



hello@infiniterenewables.com



RENGINEERS
renewable energy engineers

Rengineers is an international organisation in monitoring and service of large wind turbines. In addition, Rengineers is a distributor of BestWatt. A wonderful combination of sustainable energy solutions with technical optimization that ensures the best return.

More information

Sustainable energy supply is our passion. The benefits for the climate and your energy bill encourage us to talk about our passion with you.