

A large wind turbine stands prominently on the left side of the image, its blades catching the light. The background is a vast, green, rolling landscape with a line of trees and a setting sun on the horizon, casting a warm glow over the scene.

 **BESTWATT**
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

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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 |

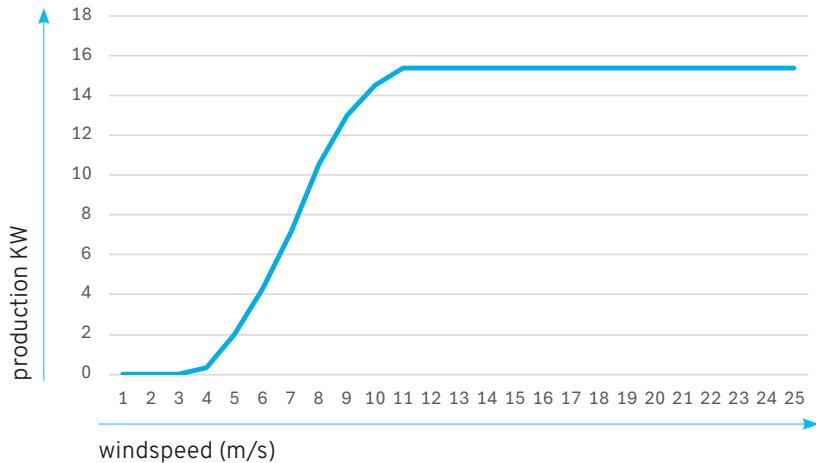
POWERCURVES

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%

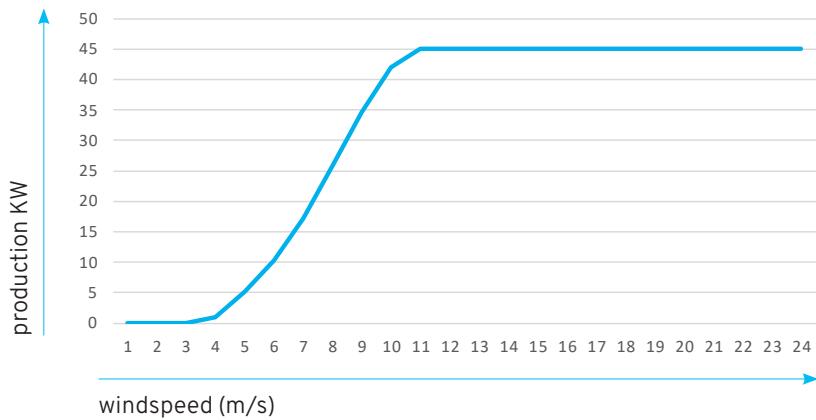
BW15 | 15KW

| 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 |



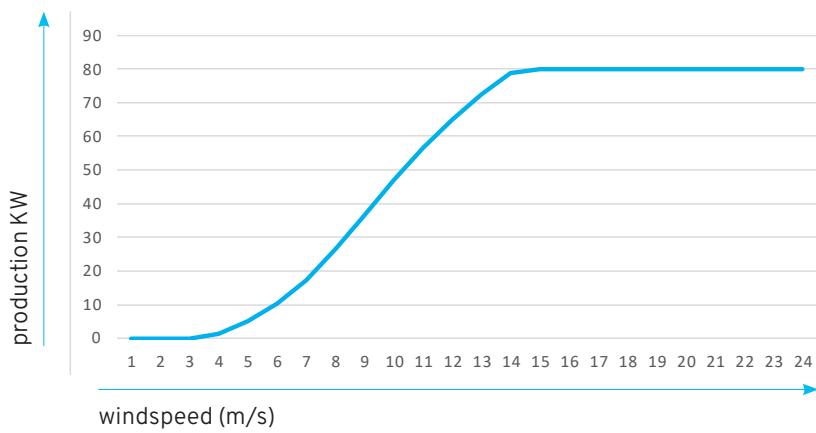
BW45 | 45KW

| 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.



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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.