

The wind power curve

- ① Wind turbines operate above the cut-in speed, where wind is strong enough to turn the blades and generate power.
- ② In the optimum power point tracking region the aim is to extract the maximum feasible amount of power.
- ③ A turbine is designed to operate up to a certain rated power, once this is reached generation is limited to the rated value.
- ④ At the cut-out speed the turbine shuts down to protect itself from the strong wind.

