The wind is too weak to blow the generator

Wind speed decreases and turbulence increases where obstructions exist whether they are upwind or downwind of the turbine. Locate your turbine in an area as free as possible from disturbed wind flow.

If the wind is too weak (below 3-4 meters per second), the blades do not spin enough to generate electricity, so the turbine remains idle. This is known as the "cut-in speed."

Wind turbines need to protect themselves just as communities do during severe weather events and storms. Find out how wind turbines survive severe storms, like hurricanes and tornadoes, ...

Modern wind turbines usually have a high wind speed cut-out protection mechanism. When the wind speed exceeds the safety threshold (generally around 25 meters/second), the wind ...

We will explain why we see wind turbines stopped even though there is enough wind to generate electricity.

Wind turbines are complex structures, designed to produce maximum renewable energy only when it is safe to do so. Let"s explore why a wind turbine stops moving.

Typically, there are four main reasons for a turbine"s inactivity: no wind, wind speed too low for operation, excessive wind, or scheduled maintenance. Additionally, external factors like ...

Curious about how wind turbines work when there"s no wind? This article explains how turbines generate electricity, even when it"s not windy outside!

Contrary to common belief, wind power doesn"t require extremely strong wind. A wind generator operates efficiently only within a specific wind speed range. If the wind is too weak, it won"t ...

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