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The wind is too strong and the wind turbine model is broken

Wind turbines need to protect themselves just as communities do during tropical storms, hurricanes, and tornadoes. To understand what happens, let"s first discuss a wind turbine"s power...

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

Understanding common failure causes in wind turbines is essential for optimising performance and reducing maintenance costs. This article explores seven key failure types, ...

In this article, we will explore some of the strategies and solutions that help wind turbines survive and perform well in harsh climates.

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, ...

The massive offshore wind turbine blade that broke and spread fiberglass and foam debris across Nantucket beaches this week was one of several recent failures of blades made by GE ...

In order to accurately judge the wind farm failure scenario and further analyze the specific operating conditions of wind turbines arranged in the wind farm and the capacity loss caused by ...

Modern wind turbines are set to stop turning automatically if there is too much energy in the wind. Some will shut down if the average wind speed is 30mph. When winds exceed 55 MPH, a ...

The root cause analysis of strong wind induced damage of wind turbines is applied. Based on the results, remarks concerning risk reduction of accidents involving wind turbines are provided.

Strong winds are usually great news for wind farms. However, sometimes the winds are too strong. There is a sweet spot when it comes to wind power. Wind gusts above 90km/h (25m/s) can damage ...

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