

We can see with this model wind turbine, that if the blades are perpendicular to the wind, then maximum drag occurs with no lift, and so the blades do not turn, so no voltage is generated, but ...

Wind turbines stop turning for two reasons. First, the mechanical aspect of the wind turbine needs maintenance. Second, there isn't enough wind for the wind turbine to be turning. Alternatively, there's ...

To help you quickly find the cause of your problem so you can fix it, I have put together tables to troubleshoot common generator problems. You will also find links to more detailed information on ...

Small wind turbines have a large tail fin which allows them to align their blades into the wind. Without this, they will turn away from the wind, and so the wind energy will hit ...

Is your generator running but not powering anything? This simple guide walks you through what's wrong and how to fix it fast.

When wind flows across the blade, the air pressure on one side of the blade decreases. The difference in air pressure across the two sides of the blade creates both lift and drag. The force of the lift is ...

Wondering why some wind turbines aren't spinning? Discover the real reasons turbines stop or appear stationary, how they work, and what's normal. Get clear answers to common turbine ...

In some cases, the blades of the wind turbine are orientated to angles where they can't pick up incoming wind anymore. In other cases, the generator detaches itself from the rotation of the blades.

Wind turbines need to reach a certain starting wind speed to overcome mechanical resistance and begin rotating to generate electricity. When the wind speed is below this value, the ...

This issue, where the generator's engine fails to crank or start, can stem from various causes ranging from simple mechanical problems to electrical faults. Understanding the common ...

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