



# The wind turbine will turn automatically when there is wind

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Wind turbines use blades to collect the wind's kinetic energy. Wind flows over the blades creating lift (similar to the effect on airplane wings), which causes the blades to turn.

Wind turbines use wind to create electricity by turning the propeller-like blades around a rotor, which spins a generator. The angle of the blades can be changed to slow the rotation, and the ...

The workings of a wind turbine are much different, except that instead of using a fossil fuel heat to boil water and generate steam, the wind is used to directly spin the turbine blades to get the generator ...

The blades of a wind turbine turn between 13 and 20 revolutions per minute, depending on their technology, at a constant or variable velocity, where the velocity of the rotor varies in relation to the ...

Wind turbines work on a simple principle: instead of using electricity to make wind--like a fan-- wind turbines use wind to make electricity. Wind turns the propeller-like blades of a turbine around a rotor, ...

When wind blows past a plane's wings, it moves them upward with a force we call lift; when it blows past a turbine's blades, it spins them around instead. The wind loses some of its ...

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Wind turbines can turn the power of wind into the electricity we all use to power our homes and businesses. They can be stand-alone, supplying just one or a very small number of homes or ...

## The wind turbine will turn automatically when there is wind

A modern turbine includes a series of blades mounted around a rotor to catch the wind and translate its kinetic energy into rotational energy. Just as traditional windmills used that rotational energy to grind ...

While there have been instances of wind turbines mounted on rooftops, it should be noted that all wind turbines vibrate and transmit the vibration to the structure on which they are mounted. ... use the ...

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