

# The power generation principle of wind turbine

The generator transforms mechanical energy into electrical energy. New types of horizontal axis turbines use a multipolar generator that is connected directly to the rotor of the turbine instead of using a gearbox. The main part of the turbine ...

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, which spins a generator, ...

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