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## What are the wind turbine systems

How do wind turbines work?

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, which creates electricity. To see how a wind turbine works, click on the image for a .

What is a wind turbine used for?

wind turbine,apparatus used to convert the kinetic energy of wind into electricity. Wind turbines come in several sizes,with small-scale models used for providing electricity to rural homes or cabins and community -scale models used for providing electricity to a small number of homes within a community.

What is a wind energy system?

A wind energy system is the way to collect and convert wind energy into a useful form. Wind turbines are not only installed individually but can also be grouped as wind farms. Such farms can be connected to a utility power grid or even integrated with other renewable energy sources.

What is a wind turbine generator system?

The wind turbine is a rotary device that can convert wind energy into electrical energy. The main operating parts of a wind turbine generator system (WTGS) are turbine,nacelle,and tower; the nacelle consists of a generator,the mechanical gearing,wind and speed sensors,a control system,and a yaw mechanism system .

Wind turbine, apparatus used to convert the kinetic energy of wind into electricity. Wind turbines come in several sizes, with small-scale models used for providing electricity to ...

Wind turbines are huge windmill-like devices that can harness the power of the wind on a large scale, multiplying its force and converting it into electrical energy that can be transmitted to the ...

Wind energy has continued to play a significant role and can be regarded as the most deployed renewable energy source, however the efficiency level and cost effectiveness ...

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