

## Solar Energy South Africa

# Xiang Electric Wind Power Generator

## System Topology



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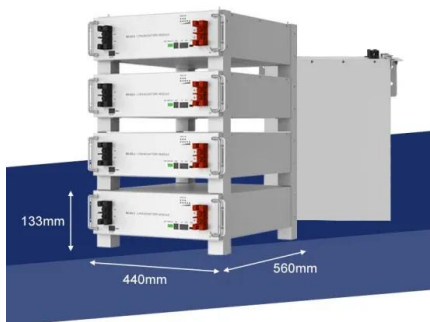


### How Do Wind Turbines Work? , Department of Energy

This mechanical power can be used for specific tasks (such as grinding grain or pumping water) or a generator can convert this mechanical power into electricity. A wind turbine turns wind energy into electricity using the aerodynamic force ...

### Condition Monitoring of the Power Output of Wind ...

This involves monitoring the power output of a variable-speed wind turbine generator and processing the data using a wavelet in order to extract the strength of particular frequency components, characteristic of faults. This ...



### Mingwei GE , Professor , Doctor of Philosophy , North China Electric ...

To evaluate the effects of blade extension on wind turbines, a 1.5 MW commercial wind turbine with three 37.5 m long blades is taken as the research object; the power enhancement and the ...

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