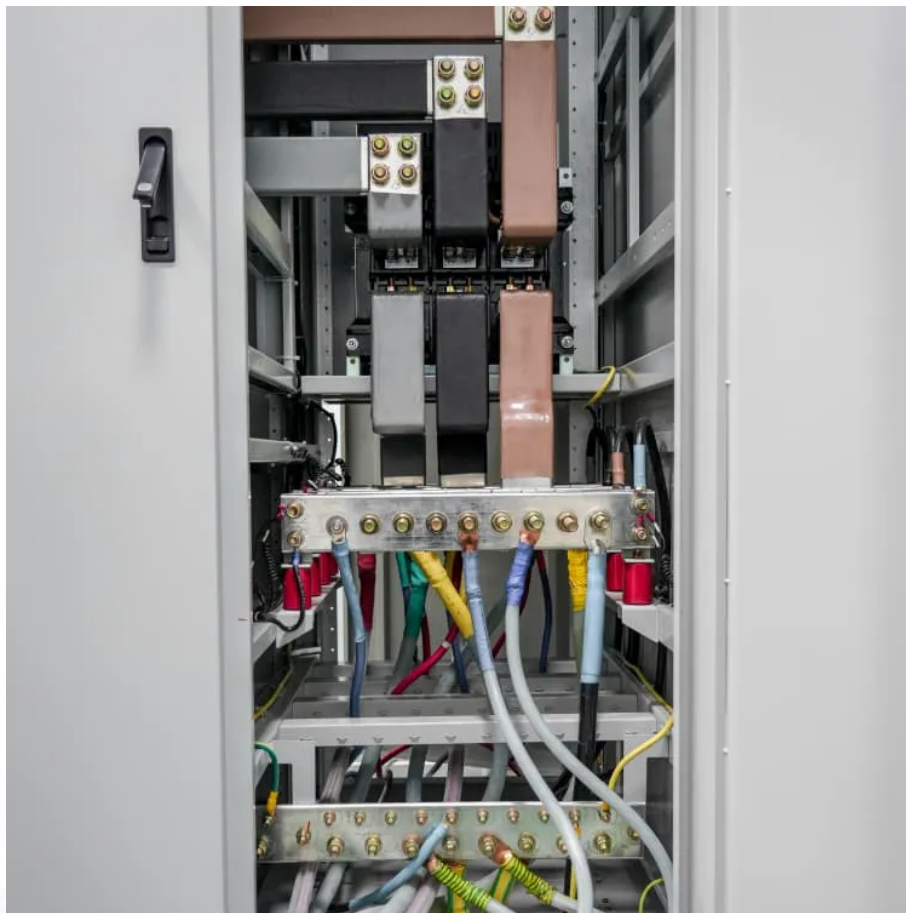


# **New generation wind power generation system**





## Overview

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What is wind energy generation?

Basically generating electricity by rotating generators with the help of wind is known as wind energy electricity generation or simply wind power generation or wind electricity generation. Wind energy is now the world's fastest-growing electricity resource, utilizing Vertical Axis Wind Turbines (VAWT) or Horizontal Axis Wind Turbines (HAWT).

What is next-generation wind technology?

Next-Generation Wind Technology aims to increase the performance and reliability of wind turbines through research and development with industry partners. This includes prototype, component, and utility-scale turbine research.

What is a floating wind power generation system?

The floating wind power generation system resembles an airship and is being held up as a possible power solution for remote locations and disaster zones where conventional power supplies cannot be used or are inadequate.

What are the different schemes for wind power generation?

Different Schemes for wind power generation: CSCFS (Constant Speed Constant Frequency Scheme):- Constant speed drives are used for large generators that provide for the generated power to the grid. Generally synchronous generators or induction generators are used for power generation.



## New generation wind power generation system

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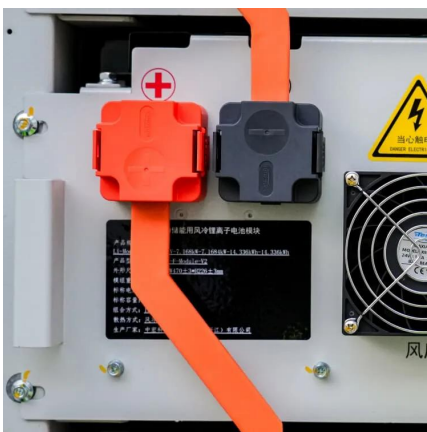


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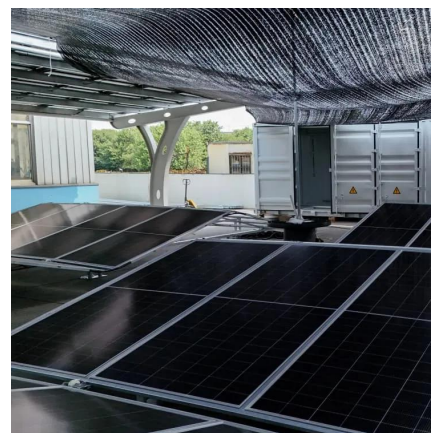


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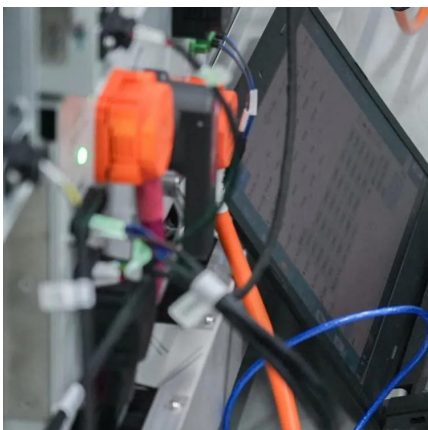


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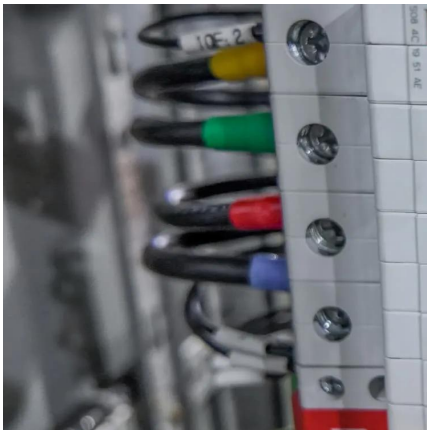
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