

Dual generator wind turbine



Cross-coupling control design of a flexible dual rotor wind turbine

In order to improve the reliability of wind turbine grid connection and reduce the cost of wind power generation, this paper studies a counter-rotating dual rotor wind turbine (DRWT) which ...

A Counter-Rotating Double-Rotor Axial Flux Permanent Magnet Generator

Mirnikjoo et al. (2020) have proposed a double-sided flux switching permanent magnet generator with a ferrite magnet for using a wind turbine. In this structure, rotors rotate in opposite ...



Aerodynamic performance of a dual turbine concept characterized by ...

The present work provides results of the aerodynamic performance, blade loads, and wake structure when a reference wind turbine generator (WTG) is operating in both single and dual ...

Development and mathematical

modelling of a dual-rotor machine for wind

Insufficient power grid support for wind turbines has become evident as wind energy use rises, particularly with bigger turbines. This paper introduces a modeling approach for a dual-rotor



Study of the double rotor double machine wind turbine generation ...

Doubly fed induction generator (DFIG) and permanent magnet synchronous generator (PMSG) as the traditional wind turbines are widely used in wind power industry.

Dual-Rotor Wind Turbine

We have developed a new dual-rotor wind turbine (DRWT) technology that aims to mitigate these two losses. One DRWT has been designed using an existing turbine rotor (the NREL ...



Combination solar and dual generator wind turbine

U.S. Pat. No. 7,425,776 Ketchum discloses a wind turbine consisting of multiple generators having a vertical post and vertical tubes whereby the

generators are positioned vertically above



Design of a Dual Rotor Wind Turbine and construction of a Testing Rig

From this project, I was able to show utilizing theoretical analysis, computational analysis and experimentation that the addition of the second rotor increased the efficiency of the system by as



LFP12V100



Natures Generator Dual Wind Turbine Box and Generator Kits

The Dual Wind Turbine Kits are a great solution to off-grid power production in low sunlight areas and high wind zones. By combining Solar and Wind, you can generate your own green power day and night.

Overview of Dual-Port Machines for Wind Power Generator Applications

The key challenge of declining torque density in magnetless machines,

especially for large-scale wind turbines,
is addressed by exploring dual port
(double stator or double rotor) machines.



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