European Solar and Energy Storage Solutions

Doubly salient pole generator wind power application

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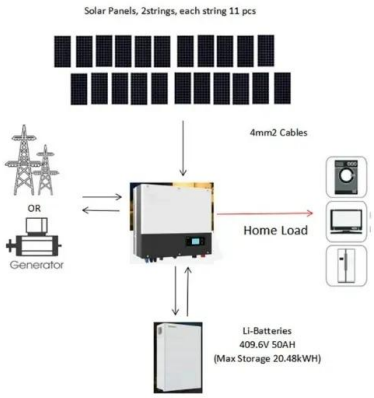
Development and Analysis of Doubly Salient Brushless DC Generators ...

The doubly salient brushless dc generator (DS-BLDCG) is constituted by a doubly salient electro-magnetic generator (DSEG) and the associated rectifier circuit. Due to its merits of simplicity, ...

A novel three-phase doubly salient permanent magnet machine for wind

This paper presents a novel 3-phase 12/8-pole doubly salient permanent magnet (DSPM) machine for application to wind power generation. The key is to design and analyze the ...



Analysis of a new five-phase fault-tolerant doubly salient ...

The fault-tolerant ability of a multi-phase doubly salient electromagnetic generator (DSEG) makes it suitable for important applications. For some important applications such ...

A novel doubly-fed doubly-salient machine with ...

This paper presents a novel doubly-fed doubly-

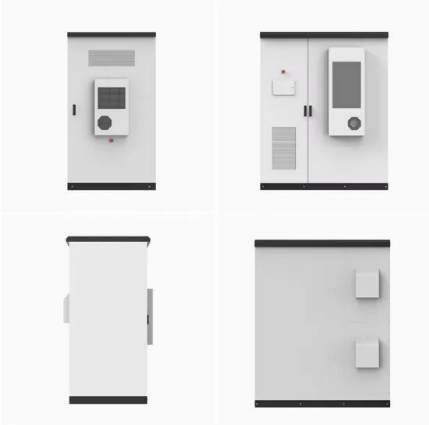
salient machine (DF-DSM) with DC-saturation-relieving effect for wind power generation application, which possesses the advantages of enhanced torque density, ...

Characteristics analysis of five-phase fault-tolerant doubly salient

Five-phase fault-tolerant doubly salient electromagnetic generator (FTDSEG) is proposed for high reliability applications in this paper and the fault-Tolerant characteristic of ...

Overview and design methodology of doubly salient ...

1 Introduction. To overcome the inherent disadvantages caused by brushes and commutators in conventional brushed dc generators, the brushless dc generator has been emerged and employed in a large number of ...



Investigation of fault-tolerant capability of five-phase doubly salient

A new topology of five-phase fault-tolerant doubly salient electromagnetic generator (FTDSEG) is proposed for high reliability applications in this paper. The analysis of ...

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