

Wind power generation fault handling method



Overview

The fault handling method comprises: dividing faults of a wind power generator set into groups according to a target protection object, each group of faults including a plurality of process faults associated with the target protection object and a target fault of the target. The fault handling method comprises: dividing faults of a wind power generator set into groups according to a target protection object, each group of faults including a plurality of process faults associated with the target protection object and a target fault of the target. A fault handling method and apparatus for a wind power generator set, and a computer readable storage medium. Following a brief discussion of the typical faults, the most commonly used model-based, data-driven and signal-based approaches are discussed. Passive and active fault diagnosis application of wind turbine. Operation of wind turbines under fault state will directly affect the power output efficiency of wind farms.

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[Fault Diagnosis and Fault Tolerant Control of Wind Turbines: An](#)

This paper provides an overview of the most recent fault diagnosis and fault tolerant control techniques for wind turbines. Following a brief discussion of the typical faults, the most ...

[Fault Handling Capabilities of Grid-Forming Wind Turbines in ...](#)

This study investigates fault handling in offshore wind turbines using grid-forming control strategies (Visynch, P/f droop, Q/f droop, and conventional grid following).



12.8V 200Ah



[Wind power generation fault handling method](#)

In, a fault diagnosis method was presented for multiple open-circuit faults in back-to-back converters of a permanent magnet synchronous generator (PMSG) drive for wind turbine systems where a ...

[Wind turbine generator failure analysis and fault diagnosis: A review](#)

The development of highly reliable and low-maintenance wind turbines is an urgent demand in order to achieve the low-carbon goals, and the arrival of fault diagnosis provides assurance for its satisfactory ...



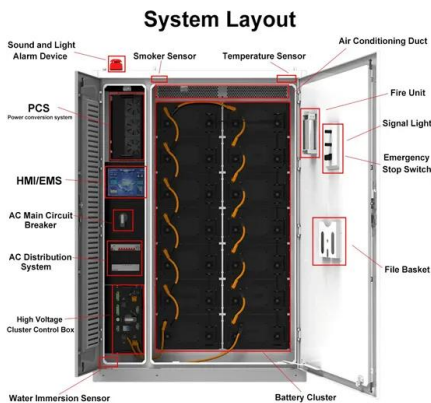
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Thus, the invention can improve the reliability of a fault protection mechanism for a wind power generator set, and improve the accuracy of fault identification for a wind power



[Fault Handling Method And Apparatus For Wind Power Generator ...](#)

Abstract: A fault handling method and apparatus for a wind power generator set, and a computer readable storage medium. The fault handling method comprises: dividing faults of a wind power ...



[FAULT HANDLING METHOD AND APPARATUS FOR WIND POWER GENERATOR ...](#)

The present disclosure relates to the technical field of wind power generation, and in particular to a fault processing method and device for a wind turbine, and a computer-readable storage medium.

[Applications of fault-tolerant control system in the design of wind](#)

This paper aims to provide a literature review of Fault-Tolerant Control Systems (FTCS) in WTGS, specifically addressing methods that can enhance system reliability, decrease maintenance ...



[Wind turbine generator failure analysis and fault diagnosis: A review](#)

The comprehensive review shows that the hybrid approach is now the leading and most accurate tool for real-time fault diagnosis for wind turbine generators. We propose a qualitative and ...

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