

PIENAAR ENERGY (PTY) LTD

A patent for a microgrid control method



Overview

The invention relates to a micro-grid control method, which comprises the steps of obtaining a first critical power value of the power utilization super demand of a grid-connected end and a second critical power value of the power reverse transmission of the grid-connected end; then. The invention relates to a micro-grid control method, which comprises the steps of obtaining a first critical power value of the power utilization super demand of a grid-connected end and a second critical power value of the power reverse transmission of the grid-connected end; then. The invention relates to a micro-grid control method, which comprises the steps of obtaining a first critical power value of the power utilization super demand of a grid-connected end and a second critical power value of the power reverse transmission of the grid-connected end; then collecting the. The invention relates to a method for controlling an electrical microgrid (1) comprising a renewable power source (3), delivering, to the microgrid (1), a first power that is controlled by droop control, and capable of synchronously operating in parallel with a synchronous power source (2), the. The present application discloses a microgrid control method and apparatus, a microgrid, and a storage medium. A power type energy storage device is connected within a microgrid, and the microgrid control method comprises: when it is determined that the microgrid is in an unplanned islanding mode. A system for controlling a microgrid includes microgrid assets and a tieline for coupling the microgrid to a bulk grid; and a tieline controller coupled to the tieline. At least one of the microgrid assets comprises a different type of asset than another one of the microgrid assets. The tieline. A method for designing feedforward and feedback controllers for integration of stochastic sources and loads into a nonlinear networked AC/DC microgrid system is provided. The system includes a plurality of energy. Check patentability & draft patents in minutes with Patsnap Eureka AI! AI technical title is built by PatSnap AI team. It summarizes the technical point description of the patent document.

A patent for a microgrid control method



WO/2025/156633 MICROGRID CONTROL METHOD AND ...

The present application discloses a microgrid control method and apparatus, a microgrid, and a storage medium.

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System and method for controlling microgrid (Patent) , OSTI.GOV

A system for controlling a microgrid includes microgrid assets and a tieline for coupling the microgrid to a bulk grid; and a tieline controller coupled to the tieline. At least one of the microgrid ...



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CN110797921A

The invention provides a micro-grid control method, which is used for solving the technical problem of complex micro-grid power control in the prior art.

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US Patent for Control method of an electric microgrid Patent (Patent

One aim of the invention is then to propose a method for controlling a hybrid microgrid that allows the proportion of renewable power sources to be increased without affecting the stability of said grid.

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Microgrid control method

It summarizes the technical point description of the patent document.

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Synchronization control method and system for microgrid group

The present disclosure relates to the technical field of microgrid group control, and in particular to a synchronization control method and system for a microgrid group based on optimal

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Microgrid Controls , Grid Modernization , NLR

This calls for dynamic microgrid

formation with a multiresolution control structure, laying the foundation for the vision of a fractal grid. In this framework, microgrids self-optimize when isolated ...

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Research on microgrid control technology based on patent analysis

Search on patent applications for microgrid control technology was conducted on a global scale, analyzing the development lifecycle, main applicants, technology development direction, important ...

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A Reinforcement Learning Approach for Optimal Control in ...

Microgrids (MGs) provide a promising solution by enabling localized control over energy generation, storage, and distribution. This paper presents a novel reinforcement learning (RL)-based ...

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A patent for a microgrid control method

Further examples described herein provide a method of controlling a microgrid, where the method includes preparing, via the microgrid controller, for an unplanned outage by

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