

ABSTRACT Around microgrid with PV and energy storage system, this paper adopts a module-level configuration scheme and proposes coordinated control strategy to further release the ...

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Abstract: Renewable energy-based direct current microgrids are becoming popular due to their higher energy efficiency than AC microgrids. Energy storage system (ESS) helps to stabilise ...

The interest on DC micro-grid has increased extensively for the more efficient connection with DC output type sources such as photovoltaic (PV) systems, fuel cells (FC) and ...

In this paper, the DC micro-grid consists of solar photovoltaic and fuel cell for power generation, proposes a hybrid energy storage system that includes a supercapacitor ...

In order to enhance the "flexible features" of the interface converter connected to the DC bus, a control strategy of DC microgrid with photovoltaic and energy storage based on ...

This paper presents a novel approach to a distributed droop control and energy storage in networked dc microgrids. Distributed control is necessary to prevent single points of ...

Thus, a coordinated control strategy of AC/DC system considering the state of charge of energy storage is proposed in the paper. Firstly, the power balance between subnets ...

