Title: Microgrid voltage control method
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In this paper, the performances of three voltage control strategies for DC microgrids are compared, including the proportion integration (PI) control, the fuzzy PI control and particle swarm ...

The proposed controller ensures the DC microgrid stability and furnishes the desired operation in the presence of different sources of uncertainty and disturbances. To that end, the ...

This study fills that gap by offering a comprehensive overview of microgrid architectures and hierarchical control methods, with a special emphasis on their application to various topologies.

This study presents a steady-state voltage security-constrained optimal frequency control method for weak HVDC sending-end AC power systems. It utilizes integrated virtual inertia control of ...

Methods based on heuristics and methods based on the optimization of some requirements are the two major groups of methods considered in the following parts. In addition, ...

This paper provides an overview of different decentralized control methods for MGs, based on recently published research. The methods used in each study are fully described, along with their ...

This paper proposes a frequency and voltage control method for a micro-grid without supports of synchronous generators, based on virtual synchronous generator (

In this paper, an improved voltage control strategy for microgrids (MG) is proposed, using an artificial neural network (ANN)-based adaptive proportional-integral (PI) controller combined...

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