



Microgrid load current sharing control scheme





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[Various Load Sharing Strategies used in DC Microgrids](#)

This paper provides a comprehensive analysis of active and passive load sharing strategies, highlighting their advantages and disadvantages.

[Consensus-Based Current Sharing and Voltage Balancing in DC ...](#)

In this work, we present a novel consensus-based secondary control scheme for current sharing and voltage balancing in dc microgrids (DCmGs), composed of distributed generation units ...



[A cooperative control strategy for balancing SoC and power sharing in](#)

This paper proposes a distributed cooperative control scheme for multiple energy storage unit (ESU) in DC microgrids to achieve the control objectives of SoC balancing, power sharing, and ...

[Adaptive Virtual Complex Impedance-Based Power Sharing Control ...](#)

To overcome the inaccurate power sharing and circulating current issues caused by the mismatched feeder impedance, this paper proposed an adaptive virtual complex impedance-based ...



[Event-triggered voltage regulation and current sharing in neighbors](#)

Results show that the method exhibits good stability and robustness under load changes and system structure changes, significantly reducing the number of communications compared to ...



[Voltage regulation and current sharing for multi-bus DC microgrids: A](#)

It is well known that accurate current sharing and voltage regulation are both important, yet conflicting control objectives in multi-bus DC microgrids. In this paper a distributed control ...



[A dynamic average consensus-based control strategy for optimal ...](#)

This article presented a distributed secondary control strategy for optimal current-sharing and voltage regulation in DC microgrids, which was based on a dynamic average consensus ...



[Optimizing power sharing accuracy in low voltage DC microgrids](#)



The algorithm aims to enhance both bus voltage regulation and load sharing performance within DCMGs.



[Autonomous Load Current Sharing Control Strategy for](#)

In this paper, an autonomous current sharing control strategy based on active frequency injection and line impedance compensation is proposed. Firstly, an active frequency injection method ...

[A Robust Consensus Algorithm for Current Sharing and Voltage ...](#)

Abstract-In this paper a novel distributed control algorithm for current sharing and voltage regulation in Direct Current (DC) microgrids is proposed. The DC microgrid is composed of several Distributed ...





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