

Title: DC Microgrid Load Regulation Paper

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This review article concluded that further research on control techniques, a standard architecture for DC microgrid, and balance of power between distributed generations (DGs) and the ...

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 ...

To overcome this issue, an enhanced power sharing control method is proposed in this paper to address load sharing in parallel-connected DG units based DC microgrids, considering ...

In this paper, we proposed a robust optimal control scheme using an infinite-time optimal approach for voltage stabilization in an islanded DC microgrid with uncertain ZIP load.

This paper examines a secondary control strategy aimed at ensuring accurate power sharing and voltage restoration within an islanded DC microgrid supplying a constant power load.

This study advances resilient and reliable power systems by addressing the intricate challenges posed by constant and variable PPL in DC standalone microgrids, paving the way for ...

In this paper, the issue of state-of-charge balance and load voltage regulation of DC microgrids used in solar-powered vehicles is investigated. The system consists of multiple distributed ...

With a focus on their technological advantages, possible uses and control mechanisms, this review evaluates the emerging role of DC microgrids as a viable substitute for conventional AC ...

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

This paper presents a hysteresis-based control strategy for Grid-Supportive Loads (GSL) in DC microgrids,



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building upon a previously introduced dead-band-based method.

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