

Title: Overcurrent protection for smart microgrids

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Presents a comprehensive review of intelligent protection strategies using diverse approaches for microgrids. Conducted a bibliometric analysis of intelligent protection strategies, ...

Engineers and scholars have proposed different non-standard methods to increase the power protection system and ensure the highly selectivity performance.

Protection of AC/DC Microgrids - AC/DC microgrids pose unique challenges due to their combination of AC and DC networks. Efficient protection strategies for these systems are still in the ...

This paper discusses a method to perform overcurrent protection in distribution networks with the presence of distributed energy resources (DER), including rene

The overcurrent protection relays of the DC microgrids prevent power electronics, ESSs, and loads from malfunctioning due to excessive current. These relays use a current sensing and ...

Test results of the IEEE 38-bus distribution system illustrate the advantages of this study compared to existing ones.

Over-Current (OC) protection is one of the pervasive protections in solar-based DC microgrids. Fast operation is a key advantage of its popularity. On the other hand, utilizing OC in DC ...

To address these issues, this paper proposes an improved inverse-time overcurrent protection scheme based on a composite parameter protection factor.

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