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Title: Research on protection strategy of microgrid

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This study evaluates the current state of microgrid protection, identifies existing research lacunae, and proposes potential future research directions to improve resilience, reliability, and security.

Thus, this paper focuses on detailed literature on protection scheme for AC and DC microgrid. No potential conflict of interest was reported by the author (s).

ABSTRACT The concept of microgrids (MGs) as compact power systems, incorporating distributed energy resources, generating units, storage systems, and loads, is widely acknowledged in the ...

Therefore, this paper reviews the protection challenges in MG and critically addresses the assessment of existing protection schemes developed so far.

Hence, this study mainly focused on the issues, challenges, and solutions associated with the protection schemes for microgrids and the existing systems" research gaps. This paper reviews recent literature on the ...

To address the aforementioned gap, this paper presents a categorical review of various traditional protection principles based schemes proposed for MG. Also, a comprehensive review of protection schemes that ...

MG protection is considered crucial in establishing a reliable power network, and demands adequate configuration of protective relays to handle electrical faults promptly in both operating modes.

Different approaches may be used to detect events in or near microgrids, properly operate, and reliably protect the microgrid, its equipment, and the surrounding area"s electric power system. Estimated completion of the ...

It is essential to protect a micro grid in both the grid-connected and the islanded mode of operation against all different types of faults. This paper is gives literature review for...

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

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