Research status of microgrid protection strategies

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

To safeguard the operation and reliability of microgrids, defence mechanisms, including detection and mitigation strategies, are being advanced.

There is ongoing research to address these protection chal-lenges in MG. Some researchers have proposed new methods that are based on traditional protection principles such as adap-tive ...

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 ...

Therefore, a suitable protection scheme for microgrid ought to be designed to protect a microgrid from any disturbances may occur for both modes of operation grid-connected and islanded. ...

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.

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

This article offers a detailed review of protection issues in AC, DC, and hybrid AC-DC microgrids, investigating existing approaches to address these issues.

This paper reviews recent literature on the conventional and modern techniques- based protection schemes of the AC microgrids. Additionally, it also includes the current status of the research and the ...

Microgrid technology integration at the load level has been the main focus of recent research in the field of microgrids. The conventional power grids are now obsolete since it is difficult ...

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