

Therefore, the traditional direct current optimal power flow model is not suitable in the study of the OPF problem in distribution networks, and the alternating current optimal ...

A review of optimal power flow studies applied to smart grids and microgrids (2017) Discuss optimal power flow tool in SGs and MGs in terms of objective functions, constraints, and methodologies. Technique-oriented : ...

DOI: 10.1016/J.IJEPES.2021.107357 Corpus ID: 237689583; Stochastic security-constrained optimal power flow for a microgrid considering tie-line switching @article{LiuStochasticSO, ...

The aim is to optimize energy consumption and achieve optimum cost of operation via DSM, considering several security constraints. A comparative analysis of operating costs, emission values, and the voltage ...

Recently, several studies have shown optimal power flow models that highlight the unique aspects of microgrids. These studies can be categorized by focus. A first group of studies concern the ...

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