

عنوان مقاله:

Secure Multi-Objective Distributed Generation Planning In Distribution Network

محل انتشار:

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خلاصه مقاله:

This paper presents a new multi-objective model for distributed generation planning in distribution networks. The proposed model minimizes three objective functions, namely, voltage dissatisfaction, costs and environmental emissions. The short-circuit level of network is considered as a constraint which should not be exceeded by the integration of DG units. Pareto optimal solutions of multi-objective DG planning are found using a particle swarm optimization and a fuzzy method is applied to select the final solution. The proposed method is tested on a 33-bus .network and results show the effectiveness of the proposed model

کلمات کلیدی:

Distributed generation planning, distribution network, multi-objective optimization, short-circuit level, particle swarm optimization

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