

عنوان مقاله:

Optimal Sizing of Distributed Energy Generators in MG Using COA Optimization Algorithm

محل انتشار:

هشتمین کنگره ملی تازه های مهندسی برق و کامپیوتر ایران (سال: 1400)

تعداد صفحات اصل مقاله: 9

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خلاصه مقاله:

In this paper, a methodology to perform the optimal sizing for Distributed Energy Generators in MicroGrid (MG) based on Cuckoo Optimization Algorithm (COA) has been improved to calculate the optimum system formation that can Accomplish the customers required Loss of Power Supply Probability (LPSP) with a minimum Cost of Energy (COE). The proposed method results are validated for single source DG and hybrid DG with results obtained from HOMER .and COA in MATLAB for the same test systems

کلمات کلیدی:

Optimal Sizing; Cost of Energy; Hybrid Renewable Energy System; Cuckoo Optimization Algorithm (COA), MicroGrid

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