عنوان مقاله:

Optimal Sizing of Distributed Energy Generators in MG Solved by Cuckoo Optimization Algorithm

محل انتشار:

هفتمین کنفرانس ملی مهندسی برق و الکترونیک ایران (سال: 1394)

تعداد صفحات اصل مقاله: 6

نویسندگان:

S. M. Ezzati - *Department of Power Market Iran Grid Management Company (IGMC) Tehran, Iran*

A. Moradi - *Department of Power Market Iran Grid Management Company (IGMC) Tehran, Iran*

J. Khayatzadeh - *Department of Power Market Iran Grid Management Company (IGMC) Tehran, Iran*

S. Dadfar - *Iran Power Generation, Transmission and Distribution Management Company (TAVANIR) Tehran, Iran*

خلاصه مقاله:

In this paper, a methodology to perform the optimal sizing for Distributed Energy Generators in MicroGird (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

لینک ثابت مقاله در پایگاه سیویلیکا:

https://civilica.com/doc/459404