عنوان مقاله:

Optimum Sizing of DGs in Microgrid Solved by Quadratically Constrained Programming

محل انتشار:

چهارمین کنفرانس مهندسی برق و الکترونیک ایران (سال: 1391)

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خلاصه مقاله:

In this paper, a methodology to perform the optimalsizing for Distributed Energy Generators in MicroGird (MG)based on Quadratically Constrained Programming (QCP) hasbeen improved to calculate the optimum system formation thatcan Accomplish the customers required Loss of Power SupplyProbability (LPSP) with a minimum Cost of Energy (COE). Theproposed method results are validated for single source DG andhybrid DG with results obtained from HOMER and QCP inGAMS for the same test systems

كلمات كليدي:

Optimal Sizing; Cost of Energy; Hybrid RenewableEnergy System; Nonlinear Programming, MicroGrid

لینک ثابت مقاله در پایگاه سیویلیکا:

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