

عنوان مقاله:

Droop Controller for Voltage Stability in Islanded Microgrid

محل انتشار:

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خلاصه مقاله:

This paper executes conventional droop control method for stable operation of a micro-grid (MG) when it becomes isolated. Normally, the MG operates in interconnected mode with the medium voltage network. However, scheduled or forced isolation can take place. In such condition, the MG must have the ability to operate stably and autonomously. For this study, IEEE 38-bus radial distribution system is selected and includes distribution-generators (DGs) such as doubly fed induction generator (DFIG), photo-voltaic (PV) and fuel cell (FC). High performance of this control method has been confirmed using the aided computer simulations, where appropriate results are appeared

کلمات کلیدی:

micro-grid (MG), distribution-generators (DGs), stability voltage, Droop Control

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