

عنوان مقاله:

Study and Improvement of an AC/DC Microgrid s Power Quality with Present of Energy Storage Resources

محل انتشار:

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خلاصه مقاله:

This paper is presented a microgrid including two subsystems with AC and DC power resources beside variety of inalterable and non linear loads based on several scenarios. The aim is studying on microgrid frequency and it s power quality category when there are kinds of distributed generators across the gird regarding the vibrational nature of them and various loads as well. In the proposed microgrid a wind turbine, a diesel generator, a complex of battery, photovoltaic and fuel cell are used as distributed generators. The results of simulations show the eligible performance of microgrid from power quality point of view. The simulations are done in Matlab/Simulink

کلمات کلیدی:

Microgrid, Frequency Control, Power Quality, Non linear load, Renewable Energies

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