

عنوان مقاله:

Mid-Term Frequency Regulation using DFIG-Based Wind Turbine

محل انتشار:

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خلاصه مقاله:

The increasing penetration of wind power generations in Power Systems, brings new challenges for the system operation, particularly regarding active power balance and frequency control. This paper, presents an assessment on frequency control capability of doubly fed induction generator (DFIG) wind turbines in Modern Power systems. The wind reserve allocation according to available wind energy is proposed.

کلمات کلیدی:

Doubly Fed Induction Generator (DFIG), Variable Speed Wind Turbines (VSWT), Frequency Control, Smart Grid, Maximum Power Point Tracking (MPPT), Deloading Operation

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