

عنوان مقاله:

Investigating the Impact of Static Load Models on Islanding Detection

محل انتشار:

نوزدهمین کنفرانس مهندسی برق ایران (سال: 1390)

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خلاصه مقاله:

Usually in Distributed Generation islanding detection studies, constant RLC loads were supposed as the hardest detectable case. Therefore, anti-islanding methods evaluated by using this type of the load. In this paper the performance of two passive methods (over/under voltage and over/under frequency protection or OVP/UVP and OFP/UFP) is tested for the loads that have voltage and frequency dependence. several loading conditions with different parameters of the load is considered and the results are compared with constant RLC load case. The constant power-controlled interface control of inverter-based DG is designed to operate at unity power factor. The Nondetection zone for these methods is derived analytically in terms of the load's parameters

کلمات کلیدی:

Inverter-based Distributed-Generation, islanding, OVP/UVP and OFP/UFP, load model

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