

عنوان مقاله:

Control and exploitation of the distributed production sources in the distribution networks with preserving stability

محل انتشار:

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خلاصه مقاله:

Fault currents are basically variable due to presence of the distributed production sources in all microgrids. Besides, the connected and islanded statuses will result in two different series of the fault currents. Thus, traditional control and protection plans must be improved. In the present paper, a new control and protection system has been presented which uses an extensive communication to monitor the microgrid and update relay fault currents according to system variations. This system has been designed to response to inter-system dynamic variations such as connection/disconnection of the distributed production sources to distribution network. A case study of a model .microgrid has been presented that will show the applicability of the proposed control plan based on these models

کلمات کلیدی:

component; smart microgrid, central control, distributed production

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