عنوان مقاله:

A VOLTAGE/FREQUENCY VARIATION-AIDED LOAD SHEDDING FOR EMERGENCY CONTROL OF ISLANDED MICROGRIDS

محل انتشار:

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خلاصه مقاله:

Reduction of fossil fuels and the high cost of power plants construction and transmission lines in the conventional power grid, lead to greater use of distributed generation (DG) resources placed on the agenda. In order to the operation of DGs, the micro grid concept is revealed. Following a large disturbance in the grid in order to prevent blackouts, emergency control measurements should be taken. Voltage and frequency are important variable that are used frequently in the emergency control strategy. Load shedding is one of the most popular control approaches in the emergency conditions that is placed the load side and is associated to those times that existent production cannot feed the load. In this paper comprehensive load shedding algorithm is presented where according to the studied system; both voltage and frequency indices are used to recognize the critical condition and shed load in an ac .Autonomous MG

کلمات کلیدی:

.Load Shedding, MG, Emergency Control