

عنوان مقاله:

Optimal disconnect switch placement in distribution networks to reduce energy losses using BPSO algorithm

محل انتشار:

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خلاصه مقاله:

In this paper, a simple method for placing an optimal number of recloser is presented. The algorithm is solved using genetic algorithm as the optimization method. The majority of outage events experienced by customers are due to electrical distribution failures. Increasing network reliability and reduce energy losses is a necessity in order to reduce interruption events. Distribution network automation can trim down outage events and increase system reliability. Network automation has to be done using optimization approaches. BPSO Algorithm is a relatively new technique used in power systems optimization problems. Distribution network automation is one of the aspects tackled using BPSO. However, the methodologies used to reduce energy losses of radial distribution feeders are reviewed

کلمات کلیدی:

Recloser; Reliability; Transient Error; BPSO

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