

Abstract--Integration of wind based generation into the distribution system has significantly grown over few years. In this paper voltage sensitivity index (VSI) method has been ...

The paper proposes the optimal placement of distributed generators (DGs) in radial distribution system along with reconfiguration. The DGs which are considered in this paper are ...

Various phase faults in a distribution system consisting of wind power generation that uses a doubly fed induction generator (DFIG) can affect relay operation and are caused by a ...

The connection of DG to the distribution system, including elements such as PV, thermal, wind, and water power plants, causes shifts in the characteristics of the power system [5-10]. Thus, ...

The Global Wind Atlas is a free, web-based application developed to help policymakers, planners, and investors identify high-wind areas for wind power generation virtually anywhere in the world, and then ...

The aim of this research is to evaluate the performance of the distribution network by connecting wind distributed generation (DG) and determining the optimal location and size using the ...

Wind power generators, battery ESSs, demand of load, micro-turbines are included in the distribution network. The unit is associated to the grid via a connecting line with restricted capacity of ...

Several studies indicate that high shares of wind power generation require significantly more operating reserves to accommodate the uncertainty and the variability arising from forecast ...

Distributed Generation (DG) is a system of generating electricity from energy sources with small capacity, in this paper DG is generated from wind renewable energy source to reduce fossil ...

The utilization of electrical energy in the Radial Distribution System (RDS) is increasing day by day due to various industrial, commercial, and residential loads. The increasing load demand ...

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