

Relay Protection for Distributed Power Supply Connection

Firstly, the impact of the access of a large number of distributed generations on relay protection in the distribution network is analyzed. Then, considering the requirements of relay...

This paper introduces three current protection schemes and inverse time overcurrent protection schemes which are widely used in distribution network at present.

With the goal of protecting distribution network equipment and improving selectivity, the setting method is simplified with the grid structure as the guide. The corresponding protection ...

As the protected components of the electrical systems have changed in size, configuration and their critical roles in the power system supply, some protection aspects need to be revisited (i.e. ...

This paper proposes the configuration principles and requirements for distributed protection relay protection and safety automatic devices with distributed power supply, which can provide reference ...

Abstract: The adaptability of relay protection in distributed generation systems is an important research topic in modern power systems. This paper proposes a relay protection scheme ...

To improve the reliability and sensitivity of multi-level relay protection in distribution networks with distributed power sources, this study designs an adaptive setting strategy optimization ...

Ground overcurrent relays are used in distribution protection in order to provide more sensitive protection for phase to ground faults. The zero sequence impedance of the distribution ...

Conventional distribution grids are radial and single point feeding networks, based on non-directional overcurrent relaying for their protection. Each relay includes a group of pre-calculated ...

This paper puts forward the power method in transmission line protection and the current method in bus protection to achieve full coverage of distribution network protection, and gives the ...

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