



电磁解环研究策略及广西电网开环方案研究

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摘要: 基于安全稳定、短路电流水平、经济性、运行管理和电网规划的考虑, 提出了电磁环网开环研究的决策方法和实施步骤, 针对“十一五”广西500 kV/220 kV电网与南方主网架的相互影响, 应用所提出的方法, 通过典型算例, 介绍了广西电网电磁解环目标和具体方案的研究过程

关键词: 电磁环网; 电磁解环; 安全稳定

Strategy for Opening Electromagnetic Loop Networks and Study on the Schemes for Electromagnetic Open Rings in Guangxi Power Grid

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Abstract: A general decision strategy for opening electromagnetic loop networks is proposed with consideration of power system security, short circuit capacity, economy and management requirements as well as planning constraints. Based on analysis of the inter-action between the Guangxi 500 kV/220 kV power grid and the China southern main grid, the proposed scheme is applied to the studies of the electromagnetic open rings in Guangxi Power Grid. Several typical examples are discussed to describe decision making to the target and scheme of opening electromagnetic loop networks.

Key words: electromagnetic loop network; electromagnetic open ring; security and stability

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