



粤北电网安全稳定控制策略及切机原则
杨振纲, 吴国丙, 罗向东, 王柯
(广东省电力调度中心, 广州510600)

摘要: 研究粤北电网在环网运行和解环运行方式下的安全稳定控制策略。在环网方式下采取“最小过切原则”决定切机量, 在解环运行方式下采取“最小欠切原则”决定切机量, 有效地提高了粤北电网向主网送电的稳定性和可靠性。新策略不仅能够应对正常运行方式和各种检修运行方式, 还能够适应粤北220 kV电网的改造和发展。

关键词: 广东电网; 安全稳定控制系统; 控制策略

The Safety-Stability Control Strategy and Tripping Principle
for Northern Guangdong Power Grid

YANG Zhen-gang, WU Guo-bing, LUO Xiang-dong, WANG Ke
(Guangdong Power Dispatching Center, Guangzhou 510600, China)

Abstract: The research on the safety-stability control strategies for Northern Guangdong Power Grid in both closed-loop and opened-loop operations is carried out. A new control strategy is proposed that "the principle of minimum over-tripping" is for the closed-loop case while "the principle of minimum lacking-tripping" is for the opened-loop case. This control strategy has effectively improved the stability and reliability of Northern Guangdong Power Grid. With this new strategy it is possible for the Grid to respond to various operation or maintenance cases, and to adapt to the transformation and development of its 220 kV level system.

Key words: Guangdong Power Grid; safety-stability control system; control strategy

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