



深圳换流站、肇庆换流站极控独立快速通信通道

辛镇瀚，江一，夏拥，翁洪志

摘要：介绍兴安直流输电工程深圳换流站、高肇直流输电工程肇庆换流站极控独立快速通信通道（directly ultra-speed telecommunication, DUST）通信电源系统的冗余性改造。基于在DUST电源在设计上的非冗余性，提出了相应的解决方案，并且通过试验进行验证、分析，证明其可行性及必要性。

关键词：高压直流输电；极控；DUST；直流电源

Improvement of Power Supplies for Directly Ultra-Speed Telecommunication at the Pole Control of Shenzhen Converter Station and Zhaoqing Converter Station

XIN Zhenhan, JIANG Yi, XIA Yong, WENG Hongzhi

Abstract: The improvement plan of pole control directly ultra-speed telecommunication (DUST) power at Shenzhen Converter Station in Xing-An HVDC Project and Zhaoqing Converter Station in Gao-Zhao HVDC project is introduced. The non-redundancy and its defect at the design level of DUST power supply is explained, the improvement plan is put forward. The feasibility of the improvement is varified by further analysis and tests.

Key words: HVDC system; pole control; DUST; DC power supply

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