

特高压输电

直升机在特高压交流输电线路巡视中的应用

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摘要:

特高压交流输电线路铁塔高、相间距大等特点给人工巡视带来一定困难, 为此研究了特高压输电线路直升机巡线技术的方法、手段、项目、悬停位置、巡视安全性等技术难题, 分析了特高压电磁场强度对直升机的影响。结合长南一线、南荆一线的直升机巡视实践, 认为特高压输电线路直升机巡线技术是安全的、有效的。

关键词: 特高压输电线路 直升机巡线 电场强度

Application of Helicopter Patrol Technology in UHVAC Transmission Line

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Abstract:

The features of UHV transmission line, such as high tower and large spacer, bring many difficulties to manual patrol. So the key technology of helicopter patrol for UHV transmission lines has been researched, such as patrol method, inspect means, partol item, inspect palce and security problem, and the effect of electric-field intensity to the helicopter by the emulation has also checked. Combined with the helicopter hot lines patrol practicable work on the chang-nan 1 line and the nan-jing 1 line, the whole work has proved the effectiveness and security of this way once more.

Keywords: UHV transmission lines helicopter patrol electric-field intensity

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