



±800 kV 直流支柱复合绝缘子制造技术

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摘要：特高压支柱复合绝缘子的研发是解决±800 kV特高压直流输电工程中高海拔和重污秽等方法之一。根据国内±800 kV特高压直流输电工程对支柱复合绝缘子的技术要求，从大直径芯棒研制、整体真空注射、法兰胶装工装等方面介绍了特高压直流支柱复合绝缘子的制造技术。

关键词：特高压直流；支柱复合绝缘子；大直径芯棒

Manufacture Technology of ±800 kV Post Composite Insulators

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Abstract: The development of post composite insulators is one of the ways to solve the problems of high altitude and heavy pollution involved in ±800 kV UHVDC transmission projects. According to the technical requirements of ±800 kV UHVDC projects in China, this paper presents the manufacture technology of the post composite insulator, including the development of big-diameter mandril, the technology of one-shot vacuume injection and the flange gluing-bonding design.

Key words: ultra high voltage DC; post composite insulator; big-diameter mandril

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