



风电场接入电网后的电能质量问题分析
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摘要：风电并网运行所引起的电能质量问题如闪变和谐波等随风电比重的增大而日益突出。本文对风电场并网运行产生闪变和谐波的机理进行了分析，再给出计算方法，最后结合实际电网算例对风电场并网运行后的电能质量计算分析方法进行说明。

关键词：风力发电；电能质量；闪变；谐波

Power Quality Analysis with the Wind Farm Integrating in Power System

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Abstract: The increasing proportion of wind power integrated in power system may cause some power quality problems such as flicker and harmonic waves. The causes of flicker and harmonic waves are analyzed with calculation methods presented. Finally, taking a real power system for example, the power quality after integration of wind farm is analyzed.

Key words: wind power generation; power quality; flicker; harmonic wave

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