

Microgrids Technology Implementation in China

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Abstract

Microgrid has played a crucial role in reducing integration impact of distributed generation, and therefore becomes an effective and efficient means for promoting renewable energy utilization and improving power supply reliability. This presentation introduces the drivers of microgrids technology implementation in China, summarizes the key technologies and standardization needs for microgrid development and applications, based on the market needs and industry status. Some key features of a microgrid that distinguish it from traditional power grid and smart grid are described. After that, it reviews the relevant activities and projects have been implemented or undergoing in China, some experiences in microgrids technology implementation and status quo of its standardization are presented as well.