

**S1-7 Current Situation and Development
of Distributed Power Network Technology**

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Abstract

In recent years, each country especially the United States, Japan, EU distributed energy research and application were obtained the fast development. The introduction of distributed resource is leading to a fundamental change in how distribution networks are utilized and viewed. Distribution networks are now used as a means to connect geographically dispersed energy sources to the electricity system, thereby converting what were originally energy delivery networks, to networks used both for the delivery and harvesting of energy. This reporter presents the mass distributed access to distribution network planning, power quality, relay protection, safety and stability so as to produce a series of effects. And give some suggestions to improve and optimize the Power grid capacity of distributed resource.