

13th Five-Year Microgrid Development Plan

What is the 13th Five-Year Plan (FYP)?

The 13th Five-Year Plan (FYP) (2016-2020)--ratified by the National People's Congress (NPC) in March 2016-- established Chinese President and General Secretary of the Chinese Communist Party (CCP) Xi Jinping's vision for China's development over the next five years.

Why is China still developing a microgrid?

Due to the late start of China's microgrid development and the relatively immature microgrid technologies and standards, as well as being in the early stages of promoting microgrids, China's microgrid deployment is still largely in the experimental and exploratory stage.

What technologies are needed to develop China's microgrids?

The key technologies for the development of China's microgrids that require further special attention are control technology, intelligent protection technology, power electronics technology, renewable energy technology and energy storage technology. (1) Control technology

Will China's distributed energy Microgrid technology reach the International Advanced Level?

It is predicted that by 2020 China's distributed energy microgrid technology will reach the international advanced level. As domestic and foreign supply and demand conditions are difficult to balance in the short term, the microgrid industry has a strong market demand.

What are new ideas for the protection of microgrids?

New ideas for the protection of microgrids need to be explored based on the unique characteristics of microgrids, as well as borrowing concepts developed in research into protection methods and technologies for central electrical grids. Planning methods for microgrids needs continuous improvement.

What are the different types of microgrid projects in China?

In China, the microgrid projects that have been completed can be divided into island microgrids, remote areas microgrids, and urban area microgrids based on their geographic locations.

During the 13th Five-Year Plan period, the new national conventional hydropower will be around 40 million kilowatts, construct more than 60 million kilowatts, of which the small hydropower ...

The National 13th Five-Year Plan for S& T Innovation was formulated on the basis of the 13th Five-Year Plan for National Economic and Social Development of the People's ...



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