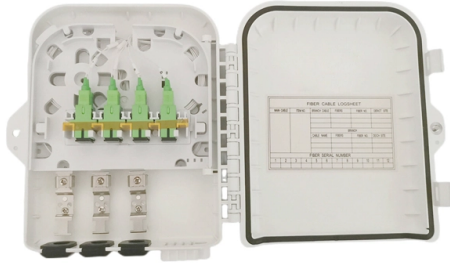


Domestic Development Progress of Energy Internet



Overview

The Energy Internet is a new energy ecosystem based on electricity with high penetration of renewable energy, high synergy of multiple energy types, high synergy of energy value chains from supply to demand and from planning to operation, and high participation of stakeholders. In Energy Internet, as the product of the deep integration of energy system and Internet technology, can become a possible way to approach the "energy impossible triangle" in the process of energy transformation. In this paper, the technology, characteristics, development status and the necessity of. Energy Internet is a concept proposed to harness, control, and manage energy resources effectively, with the help of information and communication technology. It improves a reliability of the system, and provides an increased utilization of energy resources by integrating the smart grid with the. Part of the book series: Lecture Notes in Civil Engineering (LNCE,volume 292)) China clearly pointed out in the "14th Five-Year Plan" that "accelerating the energy revolution, building a clean, low-carbon, safe and efficient energy system, and enhance the capability of ensure energy supply.



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In the world, many countries have explored the development of smart city in many aspects. From the perspective of energy, urban Energy Internet is an important part of smart city, which is the core to

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The Energy Internet

Integrating renewable energy with Internet connectivity can help to sustain economic development and reduce poverty without fueling a climate catastrophe.

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