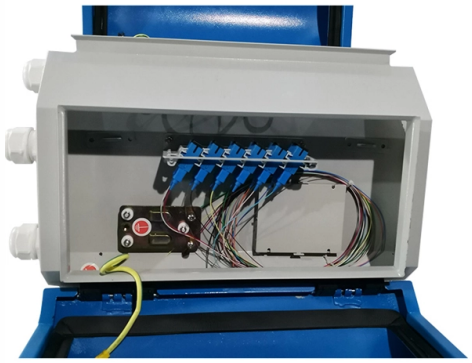
Driving Force of the Energy Internet



Overview

The Energy Internet represents a transformative paradigm integrating advanced power systems, distributed renewable energy, and digital technologies to achieve efficient, resilient, and sustainable energy management. In the next 20 years, almost three billion people will join the middle class, propelling global demand for more and better housing, televisions, cars, food, water, energy, and myriad other goods and services. But, with increasing strain on the planet's resources, meeting this demand could carry. This article offers a perspective grounded in a deep understanding of what's at stake: the reliability of our energy infrastructure, the safety of communities and the speed of innovation in the global energy transition. This paper summaries the concept and characteristics of “Energy Internet" and the sustainable urban development;. These core forces are quietly redrawing the map of human destiny: and Space Exploration as our next great leap. Each offers extraordinary promise—and hidden risks.

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