

This paper outlines the vision, pathways, and policy implications of constructing a new power system that is compatible with carbon neutrality goals.

As China ramps up generation of clean power, its need for a new type of power system is on the rise, as the nation aims to address challenges brought on by unstable renewable energy, ...

It aims to go through in-depth research on what the New Type of Power System (NTPS) is and how to build it, proposes the methodology, analyzes the relationships between the NTPS and the New Type ...

This paper aims to provide an overview of the key technologies underpinning the new-type power system from four perspectives: grid technology, energy-efficient utilization technology, ...

This paper illustrates the principles, control strategies, equipment types, application scenarios, and project implementation of grid-forming technology.

The new power system is an advanced power infrastructure designed with energy security as a fundamental prerequisite, meeting the demands of high-quality economic and social ...

In this unique report in our Energy Transition Outlook series, we explore the consequences of a rapidly changing power system.

New-Type Power System refers to a modernized power infrastructure that prioritizes clean energy sources, leverages digital and intelligent technologies, and aims to meet the demands of reliable, ...

Among these, the empowerment of power systems by Next Gen-AI has been rated as one of the "Top 10 Global Engineering Frontiers for 2023" in Energy and Mining Engineering.

Digital intelligence, connectivity and AI-driven insights are increasingly shaping the performance of power systems. Innovation across energy technologies, markets and financing is ...

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