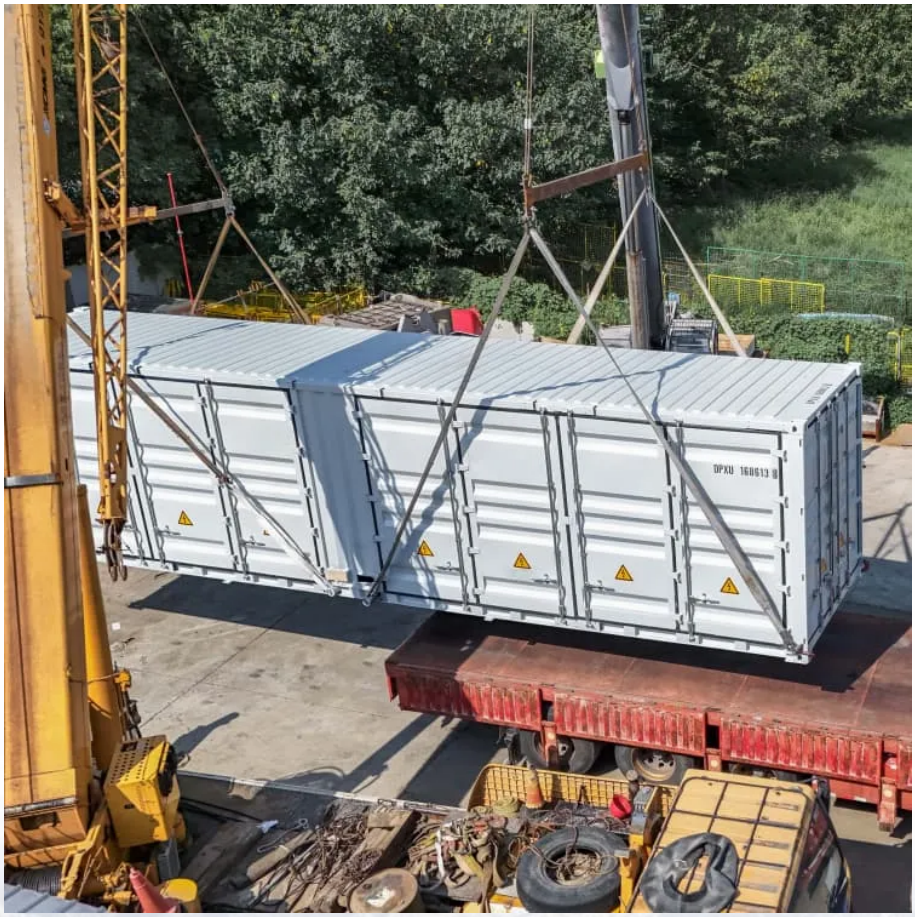
PDEOZE PowerContainer

Medium- and long-term planning for the energy storage industry



Overview

What is the implementation plan for the development of new energy storage?

In January 2022, the National Development and Reform Commission and the National Energy Administration jointly issued the Implementation Plan for the Development of New Energy Storage during the 14th Five-Year Plan Period, emphasizing the fundamental role of new energy storage technologies in a new power system.

What is a medium- and long-term plan for the development of hydrogen?

Medium- and long-term plan for the development of . Carry out the publicity and implementation of safety regulations and safety standards for hydrogen energy production, storage, transmission and use, enhance the safety awareness of the main body of enterprises, and build a solid foundation for the safe utilization of hydrogen energy.

What is the National medium- & long-term plan for Science & Tech-nology?

In 2006, the National Medium- and Long-Term Plan for the Development of Science and Tech-nology (2006–2020) for the first time put forward guidance on the development of hydrogen production, storage and transportation, and fuel cell technologies.

Why are energy storage technologies important?

They are also strategically important for international competition. KPMG China and the Electric Transportation & Energy Storage Association of the China Electricity Council (‘CEC’) released the New Energy Storage Technologies Empower Energy Transition report at the 2023 China International Energy Storage Conference.

What technology is used for energy storage in 2021?

By the end of 2021, global energy storage capacity exceeded 200 gigawatts, in which pumped storage hydropower was still the most widely used

technology (86%) for long-term and large-scale energy storage, followed by lithium-ion batteries (11%) for short-term and distributed renewable energy storage20.

What are the different types of energy storage technologies?

Depending on how energy is stored, storage technologies can be broadly divided into the following three categories: thermal, electrical and hydrogen (ammonia). The electrical category is further divided into electrochemical, mechanical and electromagnetic (Figure 2).

Medium- and long-term planning for the energy storage industry

In January 2022, the National Development and Reform Commission and the National Energy Administration jointly issued the Implementation Plan for the Development of New Energy Storage during the 14th Five-Year Plan Period, emphasizing the fundamental role of new energy storage technologies in a new power system.

Medium- and long-term plan for the development of ... Carry out the publicity and implementation of safety regulations and safety standards for hydrogen energy production, storage, transmission and use, enhance the safety awareness of the main body of enterprises, and build a solid foundation for the safe utilization of hydrogen energy.

In 2006, the National Medium- and Long-Term Plan for the Development of Science and Tech-nology (2006-2020) for the first time put forward guidance on the development of hydrogen production, storage and transportation, and fuel cell technologies.

They are also strategically important for international competition. KPMG China and the Electric Transportation & Energy Storage Association of the China Electricity Council ('CEC') released the New Energy Storage Technologies Empower Energy Transition report at the 2023 China International Energy Storage Conference.

By the end of 2021, global energy storage capacity exceeded 200 gigawatts, in which pumped storage hydropower was still the most widely used technology (86%) for long-term and large-scale energy storage, followed by lithium-ion batteries (11%) for short-term and distributed renewable energy storage20.

Depending on how energy is stored, storage technologies can be broadly divided into the following three categories: thermal, electrical and hydrogen (ammonia). The

electrical category is further divided into electrochemical, mechanical and electromagnetic (Figure 2).

Sep 14, 2023 · In March 2022, Chinese authorities issued the Medium- and Long-Term Plan for the Develop-ment of the Hydrogen Energy Industry (2021-2035) (hereinafter referred to as ...

Nov 22, 2024 · (1/2) Source: "Energy Storage in Long-Term Resource Planning: A Review of Modeling Approaches and Utility Practices," 2023 EPRI Technical Brief #3002028378 Energy ...

Oct 24, 2025 · Foreword Stepping up efforts to develop new energy storage technologies is critical in driving renewable energy adoption, achieving China's 30/60 carbon goals, and ...

Mar 7, 2025 · The plan sets ambitious clean energy targets and targets increases in energy storage capacity, with 23-27 GW of battery capacity and 4-6 GW of long-duration energy ...

This document sets the government strategy to boost low-carbon hydrogen supply in the country and notably decarbonise high-energy-consuming and high-emission industries explicitly ...

National Energy Administration on September 9 In order to promote the rapid development of pumped storage, meet the needs of new power system construction and large-scale and high ...

Power generation forecast for different energy sources worldwide, 1000TWhElectricalMechanical2. Energy storage can have a major impact on generators, grids and end usersIndependent energy storage stations are a rising trend among generators and grids??????Seed and Angel4. Opportunities and challenges for the energy storage industrysegments and targets.Yongdong LiuKPMG ChinaMindy DuMay

ZhouWu WeiAssociationMichelle LiangAbout CEC Electric Transportation & Energy Storage AssociationFor a list of KPMG China offices, please scan the QR code or visit our website:Liquid fuels Natural gas Coal Nuclear Renewables (incl. hydroelectric) Source: EIA, Statista, KPMG analysis Depending on how energy is stored, storage technologies can be broadly divided into the following three categories: thermal, electrical and hydrogen (ammonia). The electrical category is further divided into electrochemical, mechanical and el See more on assets.kpmg EPRI[PDF]

Nov 22, 2024 · (1/2) Source: "Energy Storage in Long-Term Resource Planning: A Review of Modeling Approaches and Utility Practices," 2023 EPRI Technical Brief #3002028378 Energy ...

May 2, 2023 · In September 2021, China's National Energy Administration (NEA) released its "Mid-term and Long-term Development Plan for Pumped Storage Hydropower 2021-2035."

Dec 18, 2023 · Secondly, combining the advantages of electrochemical energy storage and hydrogen energy storage technologies, integrating the dual regulation of short-term power and ...

Mar 5, 2024 · One of the most important branc-hes of this reform is sustainable energy. Hydrogen energy is gradually becoming one of the most im-portant carriers of global energy ...

Sep 5, 2025 · China's medium- and long-term hydrogen plan targets 50,000 hydrogen fuel-cell vehicles and 100,000-200,000 tonnes/year of green hydrogen production by 2025, supported ...

Contact Us

For catalog requests, pricing, or partnerships, please visit:

https://pdeozepv.pl