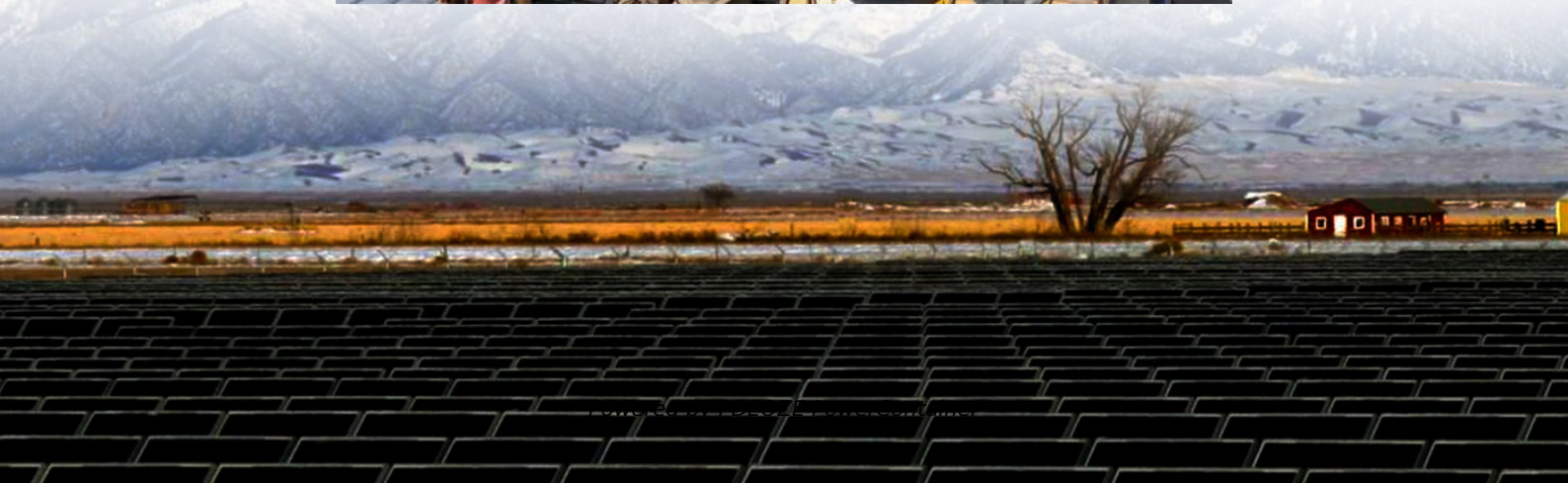


## **PDEOZE PowerContainer**

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



## Overview

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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 storage<sup>20</sup>.

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

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