

# Current energy storage products





## Overview

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What are the top energy storage technologies?

The top energy storage technologies include pumped storage hydroelectricity, lithium-ion batteries, lead-acid batteries and thermal energy storage. Electrification, integrating renewables and making grids more reliable are all things the world needs. However, these can't happen without an increase in energy storage.

How will energy storage technologies contribute to the energy transition?

In future developments, innovations in energy storage technologies will further enhance their role in the energy transition. For instance, improving the energy density of battery containers is an important direction in the development of current battery technologies.

What are the different types of energy storage technologies?

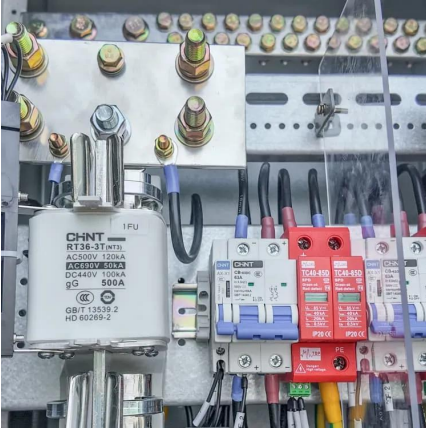
Commonly adopted technologies include supercapacitors, flywheel energy storage, electrochemical batteries, and hybrid energy-storage systems (HESS). Flywheel energy storage, as a mechanical storage solution, offers fast response, high instantaneous power output, long service life, and robust charge-discharge capability.

What are the future development prospects of energy storage technologies?

Although energy storage technologies still face certain challenges in terms of cost, efficiency, and large-scale application, with ongoing research and development and increased policy support, the future development prospects of energy storage technologies are vast.



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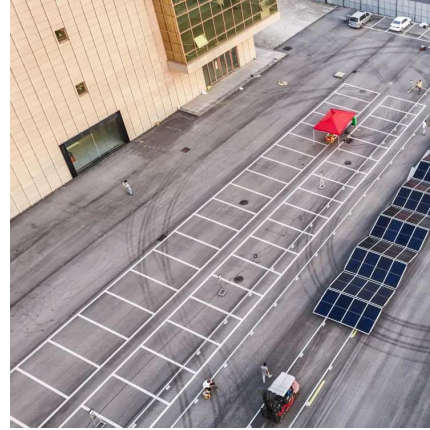
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