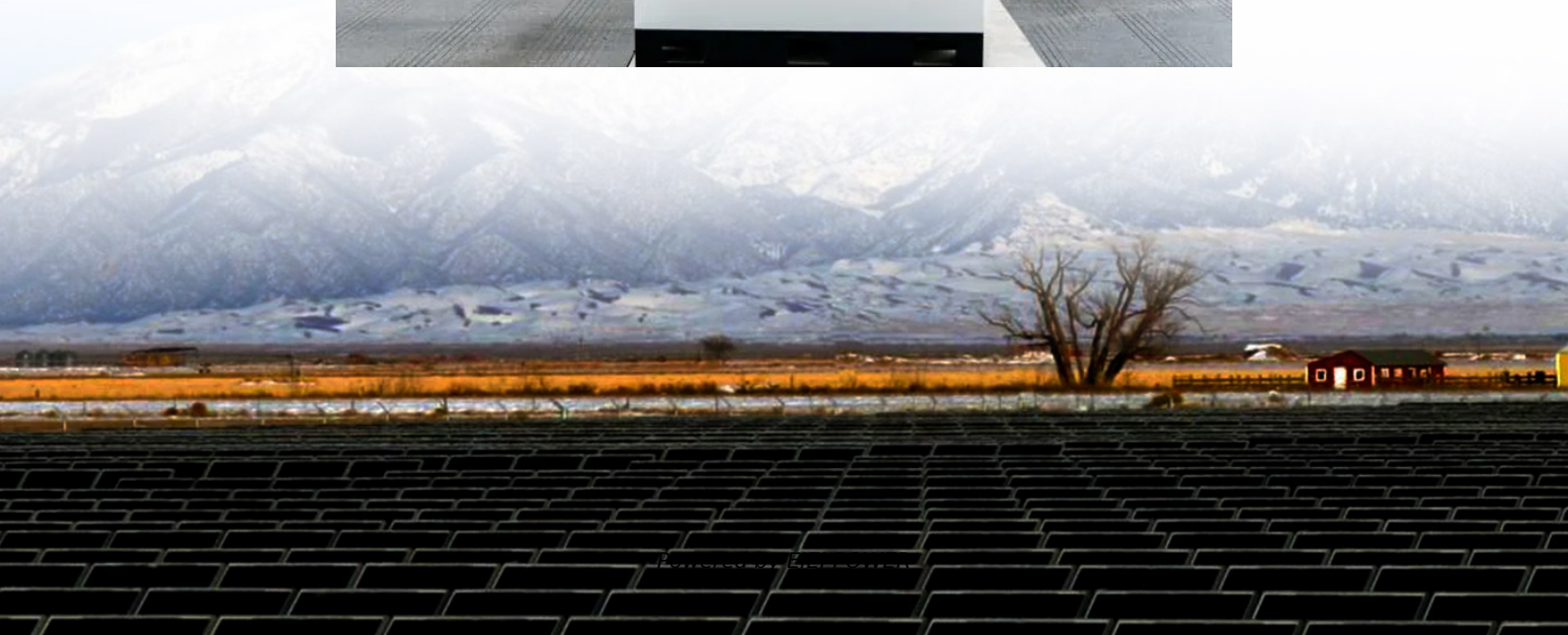


# How do flow batteries store energy





## Overview

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Are flow batteries better than traditional energy storage systems?

Flow batteries offer several advantages over traditional energy storage systems. One key advantage is that the energy capacity of a flow battery can be increased by enlarging the electrolyte tanks, making it ideal for large-scale applications such as grid storage.

How do flow batteries work?

Flow batteries work by utilizing the principles of oxidation and reduction (redox) reactions. Here's a simplified breakdown of the process: During charging, electrical energy drives chemical reactions in the electrolyte, storing energy.

Are flow batteries a sustainable solution?

Flow batteries represent a versatile and sustainable solution for large-scale energy storage challenges. Their ability to store renewable energy efficiently, combined with their durability and safety, positions them as a key player in the transition to a greener energy future.

Can a flow battery be expanded?

The energy storage capacity of a flow battery can be easily increased by adding larger tanks to store more electrolyte. This is a key advantage over solid-state batteries, like lithium-ion, where scaling up often requires more complex and expensive modifications.



## How do flow batteries store energy

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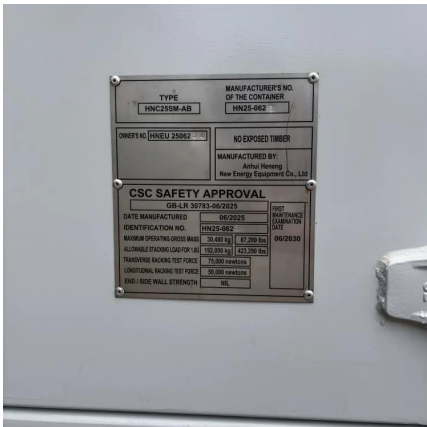
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