

# **Qatar develops new liquid flow battery**





## Overview

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What is a flow battery?

Please contact us for more information. Flow batteries are emerging as a transformative technology for large-scale energy storage, offering scalability and long-duration storage to address the intermittency of renewable energy sources like solar and wind.

Are flow batteries a replacement for fossil fuels?

Rather than viewing flow batteries as a replacement for fossil fuels, we should see them as a valuable addition to our energy portfolio. A diversified energy mix that includes coal, natural gas, renewables, and advanced storage technologies like flow batteries is the most practical path forward.

Are flow batteries a game-changer for large-scale energy storage?

Among these innovations, flow batteries have emerged as a potential game-changer for large-scale energy storage. Recent advancements in membrane technology, particularly the development of sulfonated poly (ether ether ketone) (sPEEK) membranes, have brought flow batteries closer to widespread adoption.

Are flow batteries better than traditional lithium-ion batteries?

Flow batteries, which store energy in liquid electrolytes housed in separate tanks, offer several advantages over traditional lithium-ion batteries.



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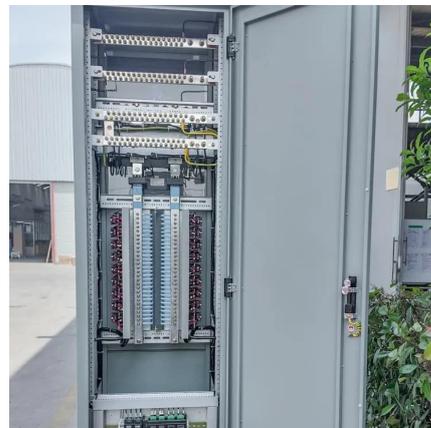
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