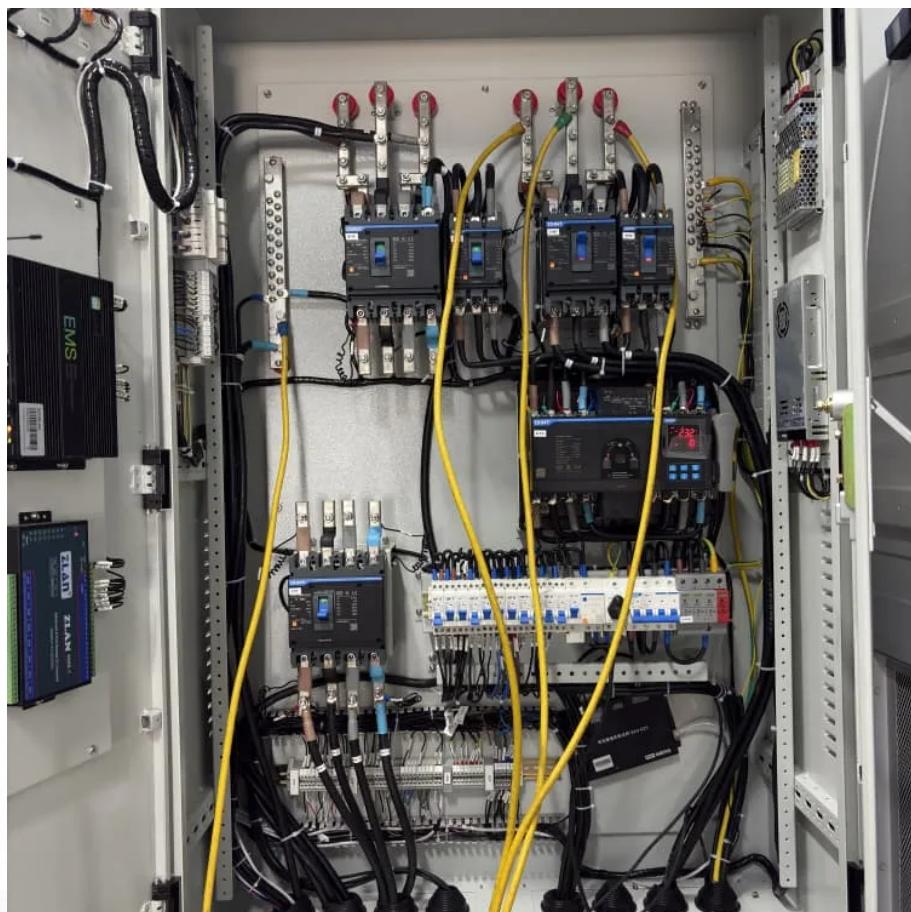




LLSE CONTAINERS

Short-term energy storage solutions





Overview

What is short term energy storage?

Short term energy storage will be used to store wind and solar electricity generation in a Net-Zero future - helping to smooth the variability of wind and solar electricity generation and ensure the provision of a stable and reliable energy supply over minutes, hours, and days. (for information on Long-Term energy storage click [here](#)).

What are energy storage solutions?

From lithium-ion batteries to redox flow batteries, these innovative technologies store excess energy generated from renewable sources like solar and wind. Energy Storage Solutions play a critical role in stabilizing grids, reducing reliance on fossil fuels, and promoting a cleaner, sustainable energy future.

What are the top energy storage technologies?

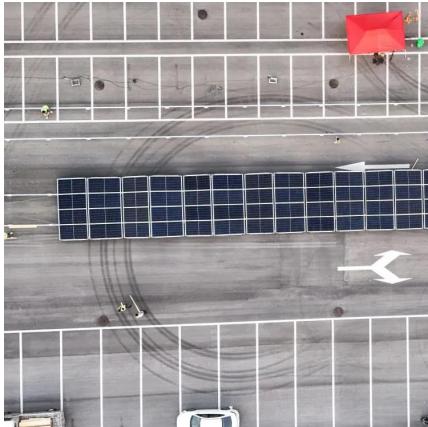
The top energy storage technologies include pumped storage hydroelectricity, lithium-ion batteries, lead-acid batteries and thermal energy storage. Electrification, integrating renewables and making grids more reliable are all things the world needs. However, these can't happen without an increase in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

What is short-duration energy storage (SDEs)?

Short-duration energy storage (SDES) assets are intended to provide energy for a few milliseconds up to four hours. An example of a technology that can only provide very short-duration energy are capacitors, which are used in electronics and power systems to quickly store and release electrical energy.



Short-term energy storage solutions



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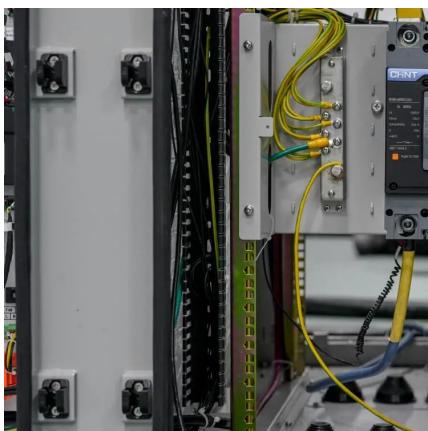


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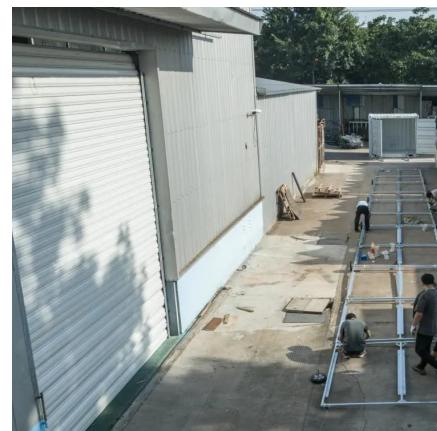


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