



MODERNIZATION SOLAR

# Floating battery energy storage





## Overview

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Can a floating wind farm use a battery energy storage system?

Modular Li-ion battery energy storage systems are deployed on the seabed and connected to floating wind turbines and offshore platforms via flexible cables. The seawater can effectively transfer and store the heat generated by the battery energy storage system. There is still no concrete solution for floating offshore wind farms.

What are the advantages of floating energy storage?

Overall, energy storage systems can be deployed on the floating offshore platforms or on the seabed. In summary, there are several advantages of floating energy storage. First, energy storage devices can take advantage of space on the decks of floating wind turbines in mode 3 of decentralized offshore electrolysis.

What is a battery energy storage system?

The first battery energy storage system (BESS) mounted on a barge is designed to bridge the limitations of the diesel generating units in meeting the requirements of the ancillary services in the delivery of contingency reserve to the grid. It optimizes energy output creating a more secure and cheaper grid for its customers.

What is subsea battery energy storage?

Subsea battery energy storage is one such promising solution. Modular Li-ion battery energy storage systems are deployed on the seabed and connected to floating wind turbines and offshore platforms via flexible cables. The seawater can effectively transfer and store the heat generated by the battery energy storage system.



## Floating battery energy storage



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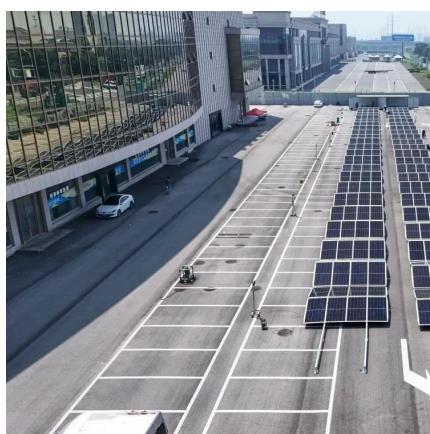


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