

# Low-peak energy storage equipment





## Overview

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What is long duration energy storage (LDEs)?

Long Duration Energy Storage (LDES) enables extended storage of power and helps stabilize intermittent power supply when integrated with renewable energy. Technologies such as compressed air energy and thermal energy storage are being developed within the LDES field, offering low-cost solutions with substantial storage capacity.

Why should you choose Shanghai Zee energy storage technology?

This enhances automation, intelligence, and flexibility in production, ensuring the highest standards of safety and quality in our products. Shanghai ZOE Energy Storage Technology Co., Ltd., established in 2022, is dedicated to providing global users with safe, efficient, and intelligent energy storage product system solutions.

How much does energy storage cost?

Among them, gravity storage has the highest global average cost at USD 643 per kWh of storage<sup>2</sup>. The next highest is flow batteries at USD 444/kWh, followed by lithium-ion (Li-ion) batteries at USD 304/kWh and compressed air energy storage at USD 293/kWh. The lowest-cost technology is thermal energy storage at USD 232/kWh.

Why is energy storage important?

In the global energy transition, energy storage is key to integrating generation, grid, load, and storage systems. It enhances grid stability, addresses renewable energy intermittency, and supports a resilient, efficient, and sustainable energy infrastructure, enabling the seamless adoption of clean energy.



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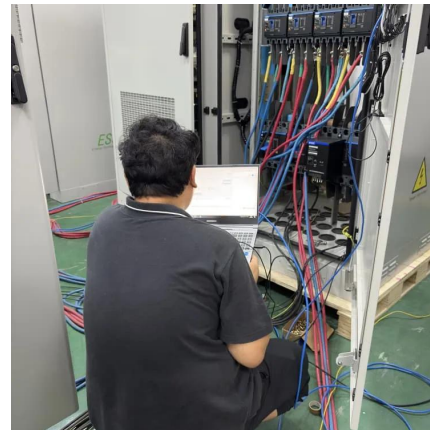


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