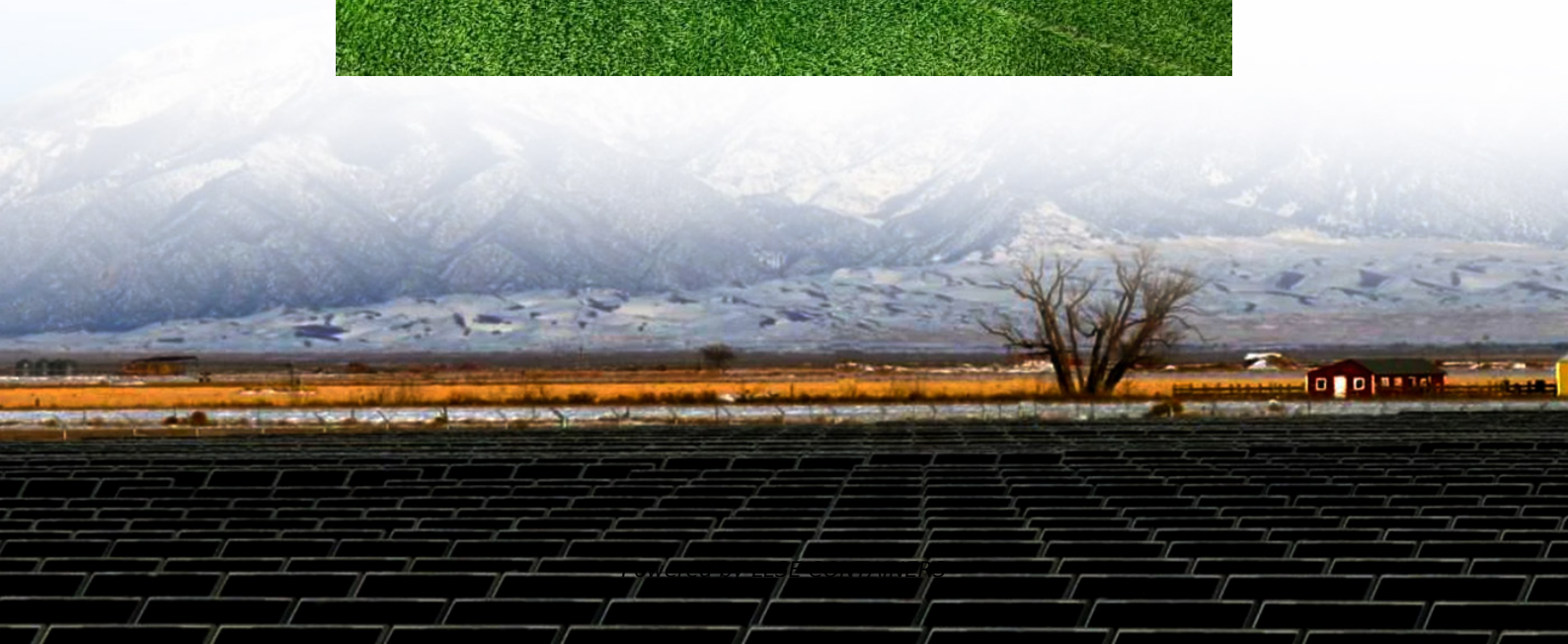


Long-term energy storage equipment





Overview

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.

What are long-duration energy storage technologies?

In this paper, we loosely define long-duration energy storage technologies as ones that at minimum can provide inter-day applications. Long-duration energy storage projects usually have large energy ratings, targeting different markets compared with many short duration energy storage projects.

Why is long-term energy storage important?

On the road to a cleaner, safer and more resilient power system, long-term energy storage is an essential solution to ensure supply stability on the path to a zero-emission model.

How do you compare long-duration energy storage technologies (LDEs)?

Review commercially emerging long-duration energy storage technologies (LDES). Compare equivalent efficiency including idle losses for long duration storage. Compare land footprint that is critical to market entry and project deployment. Compare capital cost-duration curve.



Long-term energy storage equipment



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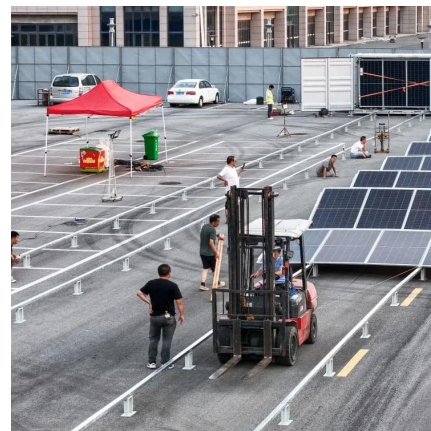
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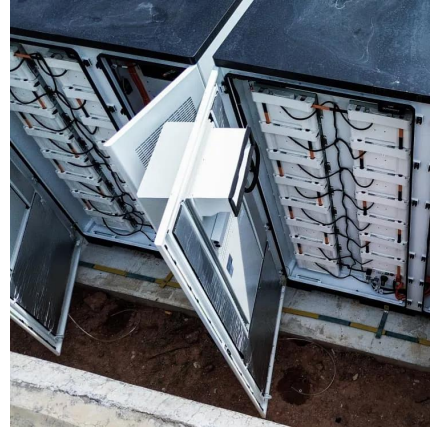
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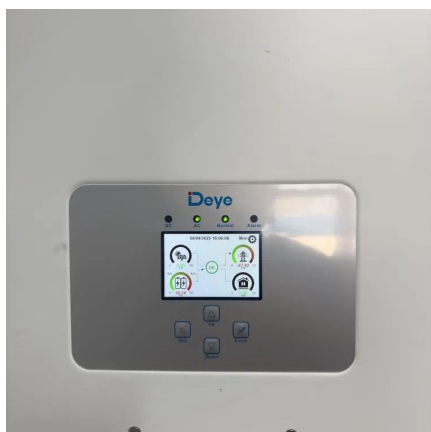


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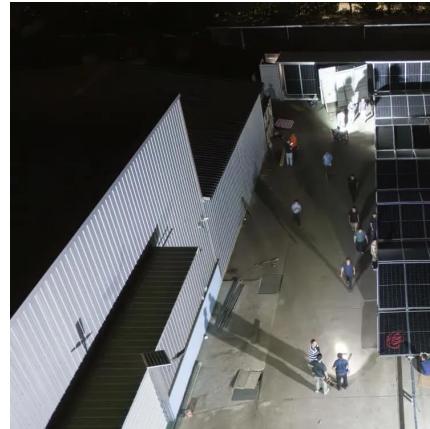
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