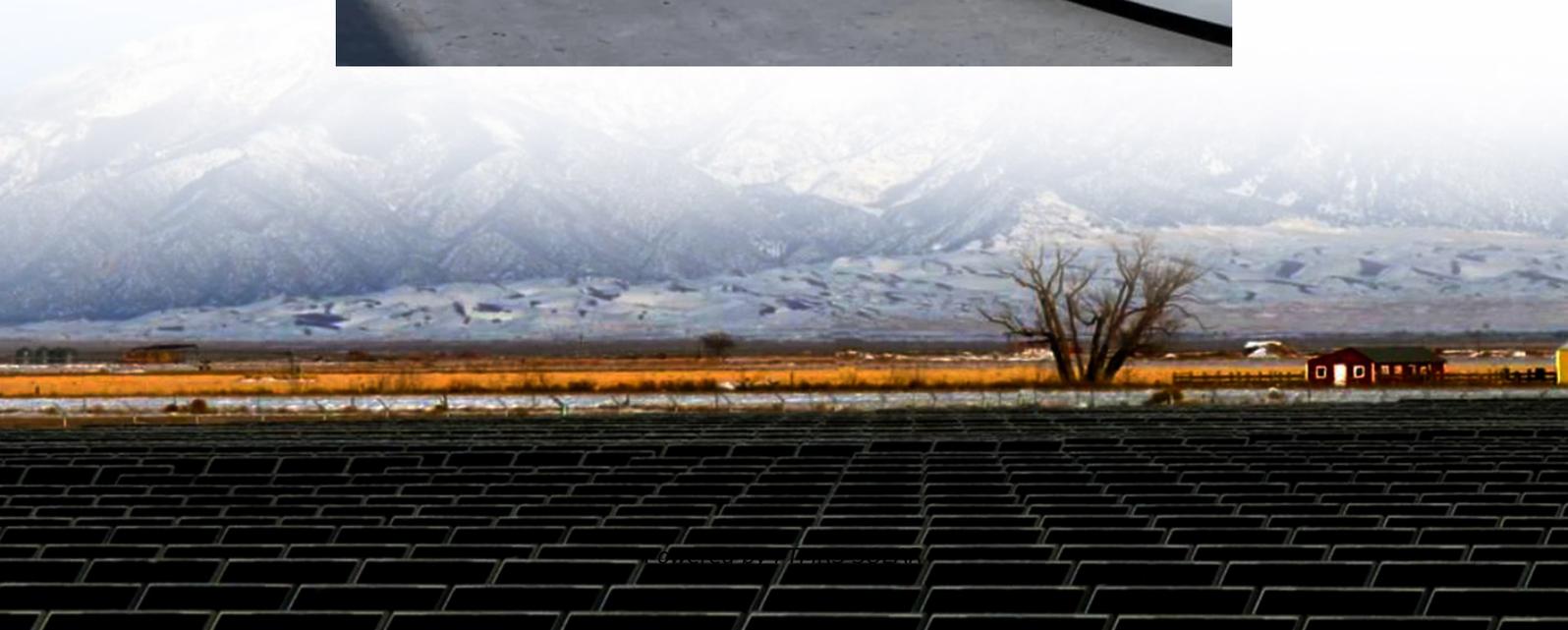


What is large-scale energy storage





Overview

What is large-scale energy storage?

Large-scale energy storage enables the storage of vast amounts of energy produced at one time and its release at another. This technology is critical for balancing supply and demand in renewable energy systems, such as wind and solar, which are inherently intermittent.

Are large-scale energy storage systems safe?

While large-scale energy storage systems like lithium-ion batteries and their alternatives pose risks, these are localized and manageable. They enable renewable energy integration, reduce reliance on fossil fuels, and offer cleaner, safer energy solutions for a sustainable future.

What is a large scale energy storage asset?

Apart from having the ability to address the intermittent supply of renewable energy, large scale energy storage assets can also provide a multitude of other uses including ancillary services such as frequency regulation and voltage control.

Why is large scale energy storage important?

And so large scale storage is instrumental if society is to shift away from a world dependent on fossil-fuel. UBS estimates that over the next decade energy storage costs will fall between 66% and 80%, and that the market will grow to as much as \$426 billion worldwide.



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