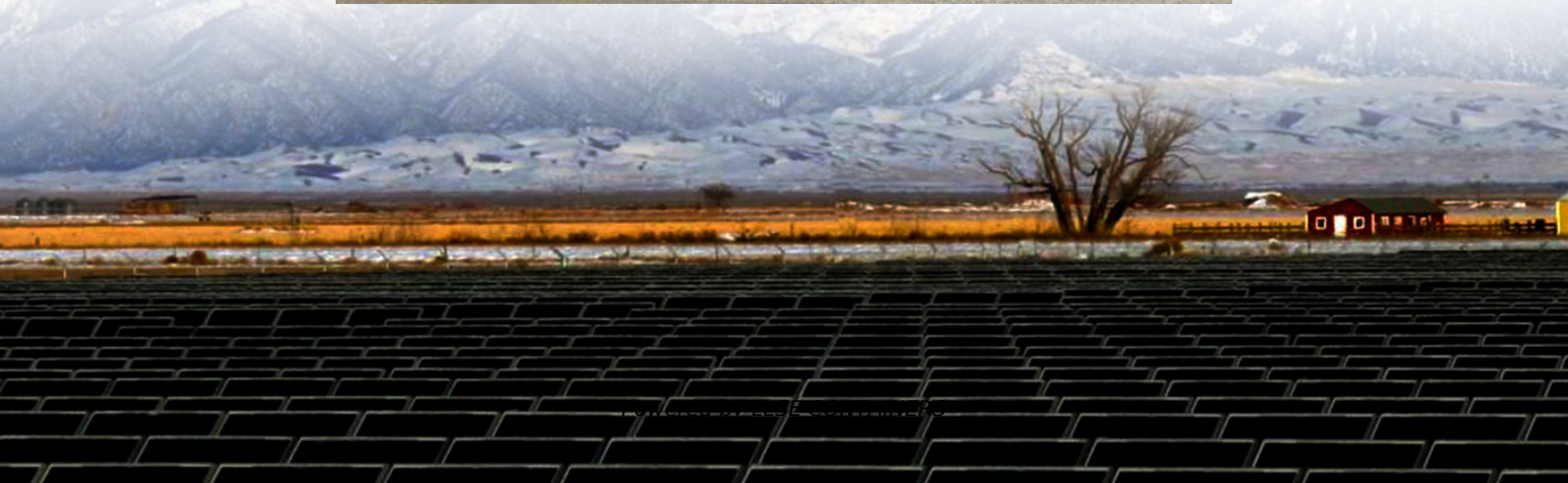


# **European Union solar Energy Storage Power Generation System**





## Overview

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How does energy storage work in the EU?

The main energy storage method in the EU is by far 'pumped storage hydropower', which works by pumping water into reservoirs when there is an electricity surplus in the grid - for example on a sunny or windy day - and releasing it when more energy is needed.

What are EU energy storage initiatives?

EU energy storage initiatives are a key part of advancing energy security and the transition toward a carbon-neutral economy, improving energy efficiency, and integrating renewable energy sources into electricity systems, and can play an integral role in balancing power grids and saving surplus energy.

Are solar and storage delivering European energy security and competitiveness?

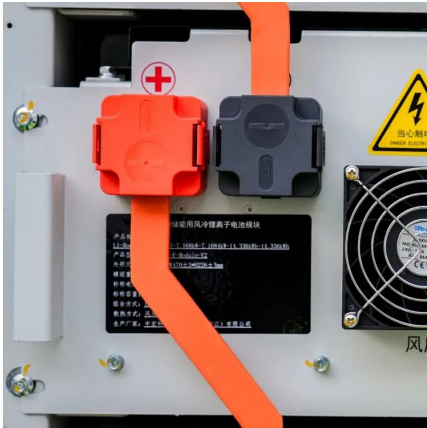
The new reports underline the potential of solar and storage delivering European energy security and competitiveness. 'Embracing the benefits of Hybrid PV systems' - which includes solar hybrid projects with storage, wind, or both - estimates that hybrid projects have a 10% lower Levelised Cost of Electricity compared to standalone projects.

What is the European Commission doing about energy storage?

The European Commission in 2020 published a study on energy storage, which summarized some previous studies and reports, explored current and potential energy storage markets in Europe, and set out policy and regulatory recommendations for energy storage.



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### Energy storage

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