

# Do affordable solar projects need energy storage





## Overview

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Can solar energy be used for energy storage?

Solar power can be used to create new fuels that can be stored and later used to provide energy. Existing compressed air energy storage systems often use the released air as part of a natural gas power cycle to produce electricity.

Why is solar storage important?

Solar storage is important because it allows solar energy to contribute to the electricity supply even when the sun isn't shining. It also helps smooth out variations in solar energy flow on the grid, which are caused by changes in sunlight.

Who can benefit from solar-plus-storage systems?

Residential and commercial solar customers, utilities, and large-scale solar operators can all benefit from solar-plus-storage systems. As research continues and costs decrease, solar and storage solutions will become more accessible to all Americans.

Should solar energy be combined with storage technologies?

Coupling solar energy and storage technologies is one such case. The reason is that solar energy is not always produced at the time energy is needed most. Peak power usage often occurs on summer afternoons and evenings, when solar energy generation is falling.



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Twiggy Mendenhall is the Senior Policy Associate of Solar & Energy Storage at CleanCapital, a renewable energy investment firm who develops, constructs, owns and ...

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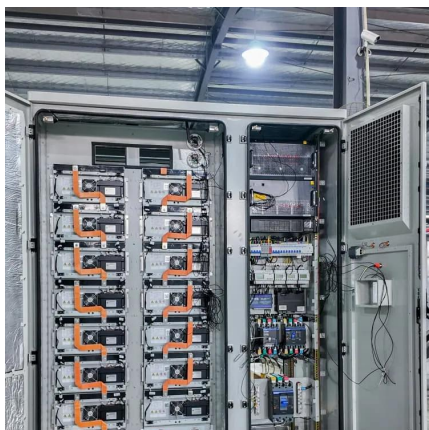
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Solar power has become more affordable and efficient and, combined with storage solutions, will play a vital role in the global clean energy transition.

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For these countries, combining solar with storage is now the most affordable path to meet soaring demand, improve energy security and reduce dependence on fossil fuel imports.

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