

Morocco Energy Storage Industry Chain





Overview

How does electricity storage work in Morocco?

It ensures the storage of electricity produced by renewable energies in order to adapt fluctuating supply to shifting demand. The first large-scale electricity storage project in Morocco is the 460 MW Afourer Pumped Storage Power Station (PETS), commissioned in 2004.

What is the first large-scale electricity storage project in Morocco?

The first large-scale electricity storage project in Morocco is the 460 MW Afourer Pumped Storage Power Station (PETS), commissioned in 2004. It consists of a hydraulic system composed of two 1.3 million-m³ water reservoirs connected by a pipeline with two hydroelectric production units between the basins.

How can Morocco improve the security of the energy supply?

The Government of Morocco seeks to increase the security of the energy supply by reducing dependence on imports, including increasing the use of renewable sources for electricity production. As of the end of 2023, the share of renewable energy in the electrical capacity mix stood 11.42 GW (ANRE data).

How can thermal storage be developed in Morocco?

Many thermal storage options can be developed in Morocco such as the storage of excess renewable electrical energy in buildings (e.g. domestic hot water tank). The development of district heating networks in Morocco can also give a growing role to the massive thermal storage in Morocco .



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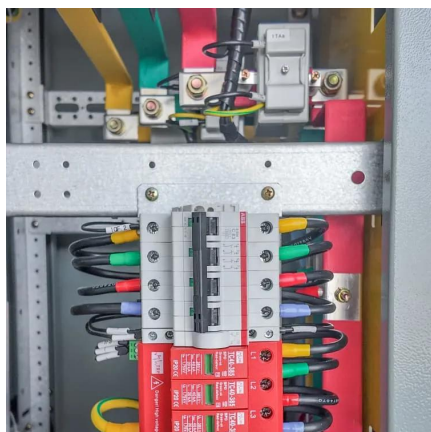


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Dec 1, 2025 · Morocco launches a national battery storage programme of 1600 MWh to stabilise its electricity grid amid growing renewable energy production.



[Strategic Pivot: Why Global Energy Storage Giants Are](#)

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[Morocco Advances Energy Storage with Global Call for ...](#)

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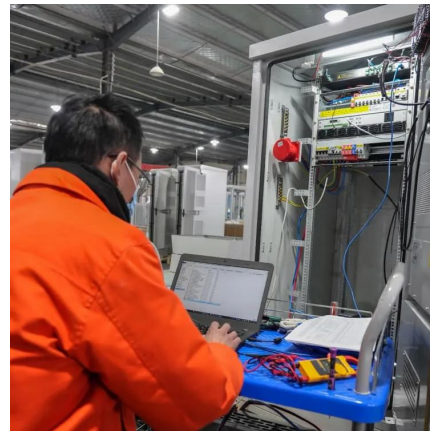
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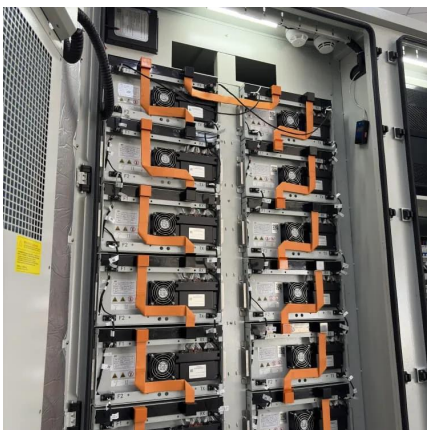
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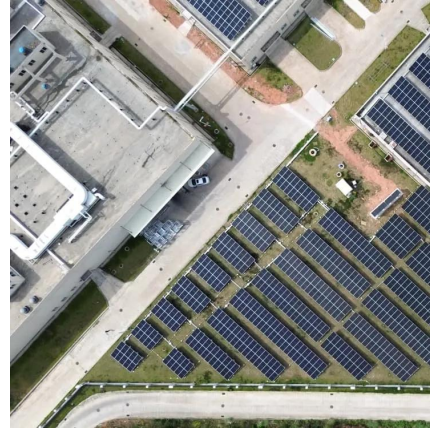
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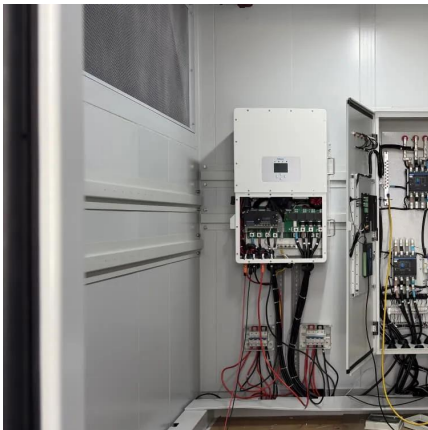


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Jul 31, 2025 · In the short term (2020-2030) the focus is on both exports, mainly to Europe, and the use of green hydrogen as an industry feedstock. In the medium term (2030-2040), ...

Towards a large-scale integration of renewable energies in Morocco

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