

## Solar Storage Container Solutions

# Qatar New Energy builds wind solar and storage



## Overview

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When did Qatar start a solar power plant?

In 2022, Qatar launched the first utility-scale solar plant in the country -- the 800-MWp Al Kharsaah complex. Qatar aims to increase the share of renewable energy to 4 GW by 2030 as part of the country's renewable energy strategy launched at the end of April.

Why should Qatar invest in a new solar power plant?

Minister Al-Kaabi emphasized that this development is a key component of Qatar's sustainability strategy, intended to reduce CO2 emissions by more than 4.7 million tons annually. He highlighted that the new Dukhan Solar Power Plant will play a critical role in Qatar's energy transition and its efforts to diversify electricity production.

How big is Qatar's Solar power plant?

This ambitious project will establish one of the world's largest solar power plants with a production capacity of 2,000 megawatts (MW), boosting Qatar's total solar power capacity to approximately 4,000 MW by 2030.

How has Qatar improved its solar energy sector?

Since the launch of Al Kharsaah plant in 2022, with an initial capacity of 800 megawatts, Qatar rapidly enhanced its solar energy sector, doubling its capacity within just three years, which is a remarkable achievement in itself. Dr.

What are Qatar's energy goals?

Qatar had set targets under the Second National Development Strategy (2018-2022) and the National Environment and Climate Change Strategy (2021-2030), including producing 20% of electricity from renewable sources by 2030, slashing greenhouse gas emissions by 25%, and investing in solar energy storage research and grid integration projects.

## What is Qatar's Solar Energy Strategy?

Image by: TotalEnergies. The strategy, introduced by Qatar General Electricity and Water Corp., known as Kahramaa, aims to diversify and increase the use of renewables, especially solar energy, in the Gulf state and integrate it into the electricity mix, Kahramaa said as cited by the state-owned Qatar News Agency (QNA).

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...



Energy storage(KWH)

**102.4kWh**

Nominal voltage(Vdc)

**512V**

Outdoor All-in-one ESS cabinet



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114KWh ESS



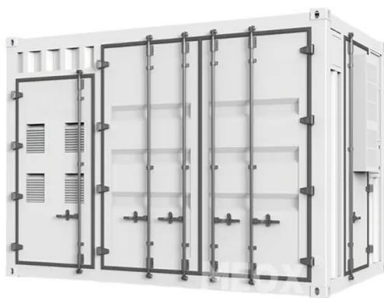
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