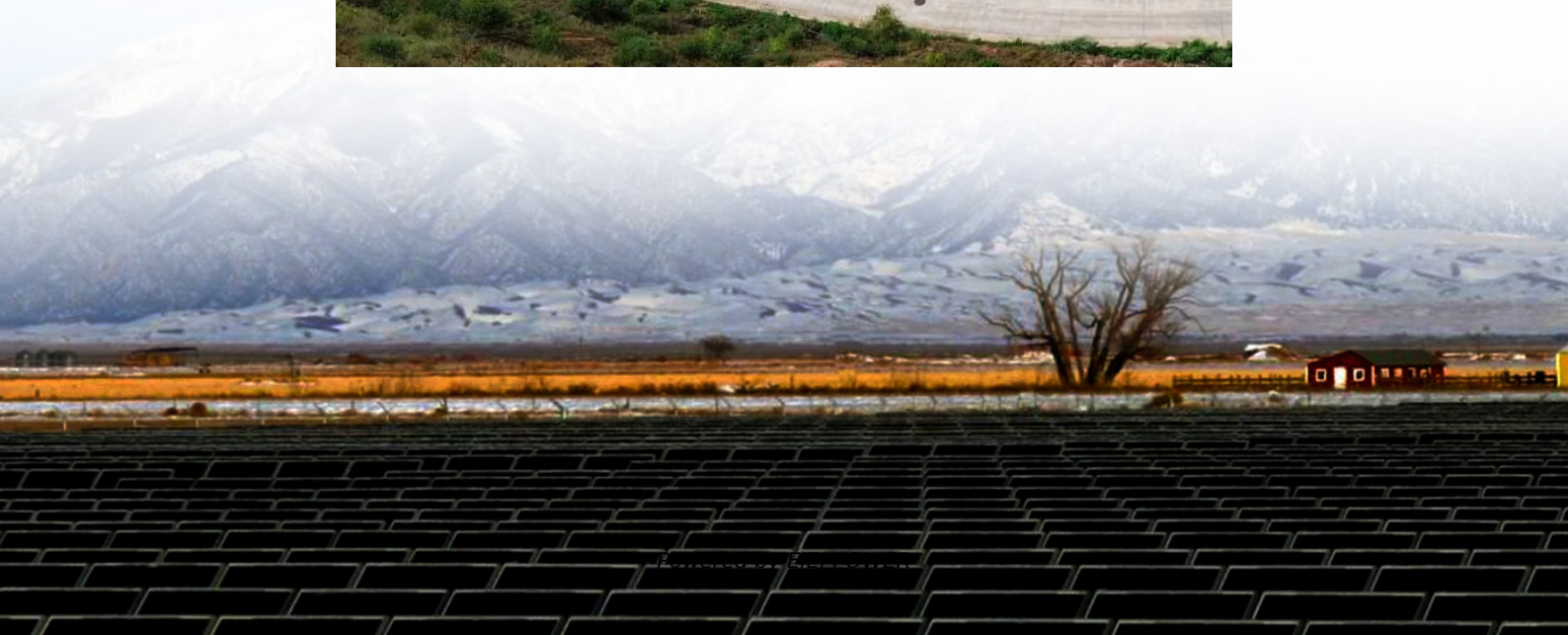


# **Solar panels power generation in Qatar**





## Overview

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### What is Qatar's Solar Energy Future?

Qatar's solar energy future is steadily developing. With average daily sunshine of around 9.5 hours, low-cloud cover conditions and plentiful space, there is great scope for small, medium as well as large-scale solar power projects in the country.

### What is Qatar's largest solar power project?

Samsung C&T E&C Group has been awarded the contract for Qatar's largest solar power project, underscoring its growing leadership in renewable energy infrastructure. Commissioned by QatarEnergy, the 2,000MW Dukhan Solar Power Project represents the largest capacity solar facility ever undertaken by a Korean construction company.

### How many solar panels does Qatar have?

Spanning 27<sup>km</sup>—equivalent to 3,790 football fields—the massive site will be fitted with 2.74 million solar panels. Upon completion in 2030, the plant will generate enough electricity to power approximately 750,000 households, even considering Qatar's high per-capita energy use.

### Is Qatar a good place to develop solar energy?

Qatar boasts the ideal conditions for developing solar energy with its exceptional sunshine and vast unoccupied spaces. This is where the Al Kharsaah solar power plant, developed by TotalEnergies and its partners QatarEnergy and Marubeni, was inaugurated in October 2022.



## Solar panels power generation in Qatar

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### [Qatar: Solar Generation Steady , MEES](#)

Mar 28, 2025 · Qatar's 800MW Kharsaah solar PV plant generated around 2TWh in 2024, according to minority partner (19.6%) TotalEnergies. In its latest sustainability report, Total ...

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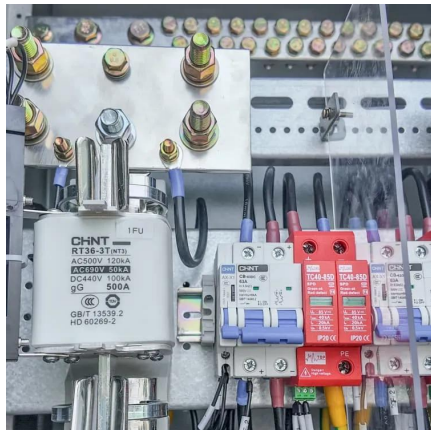
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### Qatar Be Solar Program: Impressive Start in 2025

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