



MODERNIZATION SOLAR

Qatar Forest Solar Power System





Overview

Who is building a solar power plant in Qatar?

State-owned petroleum firm QatarEnergy has awarded a contract for the construction of the 2,000MW Dukhan solar power plant. The agreement was signed between the client company and South Korea's Samsung C&T, about 80 kilometers west of Doha. The plant will double Qatar's solar generation capacity once completed.

How will a solar power plant benefit Qatar?

The agreement was signed between the client company and South Korea's Samsung C&T, about 80 kilometers west of Doha. The plant will double Qatar's solar generation capacity once completed. This will facilitate in the supply of up to 30% of Qatar's total peak electricity demand.

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.

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.



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[QatarEnergy Solar Strategy 2025: A Critical Analysis](#)

Dec 3, 2025 · QatarEnergy's 2025 Solar Strategy: Centralized Power vs. Distributed Ambition Industry Adoption: QatarEnergy's Dual-Track Solar Approach and the Widening Gap Between



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[Qatar Al-Kharsaah Solar Power Plant](#)

The Al-Kharsaah Solar Power Plant, developed in the Al-Kharsaah area of western Qatar on a 10-square-kilometer area of land, is the country's first non-fossil fuel power plant and currently the

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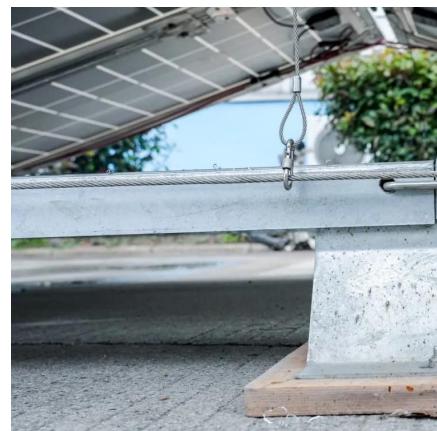


[Qatar's Road to Sustainability: The Rise of Solar Energy](#)

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