

Will Qatar's new solar power plant boost its production capacity?

The new project will boost Qatar's PV solar power production capacity to about 4,000 megawatts by building one of the world's largest solar power plants in the Dukhan area, with a production capacity of 2,000 megawatts. (Image source: archives)

Does Qatar have a solar power plant?

Qatar's Al Kharsaah solar power plant is Marubeni's third large-scale solar project in the region, following the company's first two large-scale solar projects in the United Arab Emirates (UAE) and Oman. What does the Al Kharsaah solar power plant mean for Qatar?

What is Qatar's first large-scale solar power generation project?

This Marubeni investment-backed plant, which was inaugurated on October 18, is the first large-scale solar power generation project in Qatar, with a maximum output of 800 MW. The power generated will be sold to Qatar's General Electricity & Water Corporation Kahramaa under a long-term contract of 25 years.

How many megawatts will Qatar power by 2030?

With the addition of the new Dukhan Solar Power Plant, QatarEnergy's portfolio of solar power projects in Qatar will reach a capacity of about 4,000 megawatts by the year 2030. This represents approximately 30% of Qatar's total electrical power production capacity.

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.

Who is QatarEnergy?

QatarEnergy is the client for this project, which will generate a total of 875 MW. The project has 417MW and 458MW solar plants, to be built in Mesaieed, about 40km south of the capital Doha, and in Ras Laffan, roughly 80km north of Doha respectively.

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Qatar plans to boost solar power to 30% of its electricity production by 2030 as part of a sustainable energy transition. Learn about the initiatives and projects, including the Al Kharsaah Solar PV Power Plant, ...

The Al Kharsaah solar plant, inaugurated today, will cover nearly 10 percent of Qatar's electricity needs, while the cost of the 10 km square plant, is about QR 1.7 billion. The project comes as part of the country's efforts to preserve energy and the environment, ensuring a balance between benefits of the current and future generations in line ...

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Each plant will be 10 square kilometres in size and will have a combined capacity of 875 megawatts --more than 400 MW each. Together, they form the Industrial Cities solar power project (IC Solar), which along with the Al Kharsaa Solar PV Power Plant will increase Qatar's renewable energy generation capacity to 1.675 gigawatts (GW) by 2024.

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5 ???· Samsung C& T Engineering and Construction (E& C) Group has secured a \$2.84 billion EPC contract for a desalination and combined cycle power plant in Qatar under a consortium with Japan's Sumitomo Corporation. The project, expected to be completed in 2029, will supply ...

Samsung C& T Engineering and Construction Group will build a mega solar project in Qatar, equivalent to 1,400 soccer fields. QatarEnergy is the client for this project, which will generate a total of 875 MW.

The Al Kharsaah solar power plant covers 1,000 hectares (the equivalent of approximately 1,400 soccer fields) and features two million bifacial solar modules mounted on trackers for achieving substantial power gains.

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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 world's third-largest single-unit photovoltaic power project.

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Qatar plans to boost solar power to 30% of its electricity production by 2030 as part of a sustainable energy transition. Learn about the initiatives and projects, including the Al Kharsaah Solar PV Power Plant, driving this shift towards renewable energy in Qatar.

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