
Doha Solar Smart solar Site

Will Qatar build a solar plant in Dukhan?

Qatar invests in renewable energy, building a solar plant in Dukhan. (Credit: QatarEnergy)

Qatar's future is looking solar with a new solar plant project on the way. The country's first large-scale solar power plant, Al-Kharsaah Solar PV Power Plant, covers an area of 10 square kilometres.

How many solar power plants are there in Qatar?

Qatar has since built two more solar plants in the country: the Ras Laffan and Mesaieed solar plants, which combined generate 875 MW. The newest Dukhan solar power plant is set to be one of the largest in the world. It will be developed in two phases, reaching a total electricity generation capacity of 2,000 MW by mid-2029.

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.

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

The country's first large-scale solar power plant, Al-Kharsaah Solar PV Power Plant, covers an area of 10 square kilometres. The 800 megawatt (MW) plant was inaugurated in October 2022 to support Qatar's electricity demand for FIFA World Cup Qatar 2022(TM). You might also like: Qatar to build one of the world's largest solar power plants

Samsung C&T secures Qatar's largest solar project, a 2,000MW facility in Dukhan covering 27km² with 2.74 million panels, strengthening its leadership in global renewable energy ...

QatarEnergy and TotalEnergies partner on the 1.6 GW Dukhan Solar Project, a key step in Qatar's plan to reach 5 GW of solar power by 2035 and reduce carbon emissions.

Updated September 16, 2025: The Industrial City Solar Power Project, two solar power plants (417MW in Mesaieed, 458MW in Ras Laffan), was commissioned on April 25, 2025. The ...

QatarEnergy announces the construction of a new 2,000 MW solar power plant in Dukhan, set to more than double Qatar's solar energy capacity to 4,000 MW by 2030. The ...

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