

## **PDEOZE PowerContainer**

# **Qatar s new GW-scale solar projects**



## Overview

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QatarEnergy has signed an agreement with TotalEnergies to build the Dukhan Solar Project, a 1.6 GW project that will more than double Qatar's solar capacity by 2029. Will qatarenergy build a new solar power plant in 2022?

Furthermore, the new Dukhan Solar Power Plant will be integrated into QatarEnergy's existing solar portfolio, which includes the Al-Kharsaah plant, inaugurated in 2022 with an 800 MW capacity, and two additional projects in Ras Laffan and Mesaieed industrial cities, set to produce 875 MW by year-end.

How much solar power will Qatar have 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 2030. This represents approximately 30% of Qatar's total electrical power production capacity.

When will a 2 GW solar plant start in Qatar?

In September 2024, QatarEnergy unveiled plans for a 2 GW solar plant in Dukhan, western Qatar. The project is forecast to begin operations in 2029. Qatar is targeting a renewable energy portfolio of more than 4 GW by the end of the decade.

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 many solar projects are there in Qatar?

The inauguration of two solar projects with a combined capacity of 875 MW

has more than doubled Qatar's installed solar capacity. State-owned petroleum company QatarEnergy has inaugurated two solar projects with a combined capacity of 875 MW.

Is Qatar relying on other countries to build solar power plants?

Speaking at an inauguration ceremony earlier this week, Saad Sherida Al-Kaabi, the Minister of State for Energy Affairs, said Qatar has "moved beyond relying on the expertise of others for the construction, operation, and maintenance of solar power plants, and has begun implementing such projects using our own national expertise."

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