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Kazakhstan solar panels



Overview

How many solar power plants are there in Kazakhstan?

Solar Power: The potential of solar energy in Kazakhstan is estimated at 2.5 billion kWh per year. Solar energy can be widely used in two-thirds of Kazakhstan's territory. The government aimed to put 28 solar power plants into operation by the end of 2021, and met this goal, with currently 51 solar power plants in operation.

Where is Kazakhstan's new solar power plant located?

A few months later, the EBRD loaned another \$42.5 million toward a \$75 million 63 MW solar photovoltaic power plant that Risen is building in Chulakkurgan, north of Shymkent. China, which now produces 70 percent of the world's solar panels, is well represented in Kazakhstan's new renewable projects, but it is not the only player.

How efficient is solar energy in Kazakhstan?

The potential of solar energy in Kazakhstan is estimated at 2.5 billion kWh per year, which corresponds to an area of about 10 km² of solar cells with a total efficiency of 16%. The average efficiency of modern solar panels varies in the range of 15-25%. Solar energy can be widely used in two-thirds of the territory of the Republic of Kazakhstan.

What is Kazakhstan's largest solar project?

Kazakhstan's largest solar project – a 100 MW field in Saran, Karaganda Province – was opened last year by a German company, also with EBRD backing. Russian engineers doubled capacity at the EBRD-backed Burnoye plant in Zhambyl in 2018.

How big is solar capacity in Kazakhstan?

Back in 2015, Astana was predicting installed solar capacity by the end of 2020 to reach 714 MW. A government report last month said solar capacity

had reached 467 MW. Indeed, renewables are still small fry in Kazakhstan. Today solar accounts for 56 percent of the country's total renewable capacity.

Why did China give Kazakhstan a 1 MW solar plant?

By 2017, as China's domestic solar capacity was outstripping demand, Beijing reined in its liberal aid for producers and instructed them to seek business abroad. The PRC offered Kazakhstan a taste of its technologies, gifting a 1 MW solar plant to the Alatau Innovation Park near Almaty.

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