

# China's earliest photovoltaic panel power station



## Overview

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1983: China's first 10kW civil photovoltaic power station, which is also the oldest existing photovoltaic power station in China, was built in Xiaocha Village, Yuanzi Township, Yuzhong County, Gansu Province, providing domestic electricity for 130 local households. All of the modules, which range from 230 to 240 watts, are mounted at a fixed tilt angle of 38°. It is located in the Photoelectricity Park of Dunhuang City. This 10kW system, China's oldest operational photovoltaic array, powers a telling story about. Wind and solar surpassed a quarter of China's electricity generation for the first time in April 2025. Its PV capacity crossed 1,000 gigawatt (one terawatt, 1 TW) in May 2025. [1]. Argentina Cauchari Jujuy Solar PV Project (315 MW) is the world's highest large-scale photovoltaic power station. During the first Belt and Road Forum for International Cooperation, under the witness of the heads of both China and. When did solar power start in China?

In 1989, China's first 10 kW.

## China's earliest photovoltaic panel power station

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### [Visiting China's oldest existing photovoltaic power station](#)

In 1983, China's first 10kW solar photovoltaic power station was established here, bringing electricity and light to 130 households and thousands of people.

### [China's Oldest Photovoltaic Panel: A 40-Year Legacy Powering the](#)

In the arid mountains of Gansu Province, a solar installation from 1983 continues generating electricity with 78% original efficiency - challenging modern assumptions about renewable ...



### [Solar Photovoltaic Power Stations in China](#)

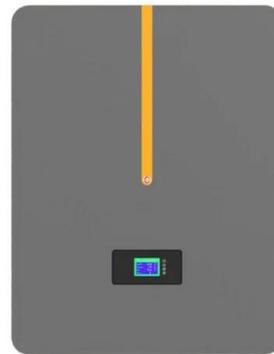
China's first hybrid energy photovoltaic power station using both solar and tidal power in Wenling City of east China's Zhejiang Province is fully operational, .

## Solar power in China

OverviewHistorySolar resourcesSolar photovoltaicsConcentrated solar powerSolar water heatingEffects on the global solar power industryGovernment incentives

China is the largest market in the world for both

photovoltaics (PV) and solar thermal energy. Its PV capacity crossed 1,000 gigawatt (one terawatt, 1 TW) in May 2025. By June 2025, China's PV capacity surpassed 1,100 gigawatt. In 2024, China added 277 gigawatts (GW) of solar power, which was equivalent to 15% of the world's total cumulative installed solar capacity.



[China's earliest solar photovoltaic power station](#)

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[The Rise of China's Solar Industry in 40 Years](#)

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[Dunhuang 100MW molten salt tower solar thermal power station put ...](#)

In 2025, China's first 100 megawatt molten salt tower solar thermal power station located on the vast Gobi Desert in Dunhuang, Gansu has been operating stably, becoming an important ...

### [How China built the world's first solar thermal power station with](#)

China has unveiled the world's first dual-tower solar thermal power station in the Gobi Desert, using 27,000 mirrors to generate renewable energy round the clock, a landmark in clean ...

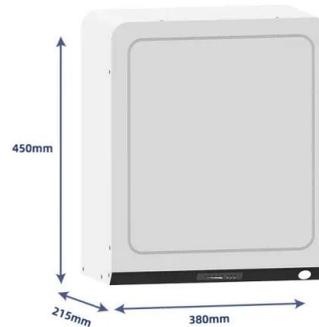


### **Gansu Dunhuang Solar Park**

The Gansu Dunhuang Solar Park is a 50-megawatt (MW) photovoltaic power station located in the Gansu Province, in China. All of the modules, which range from 230 to 240 watts, are mounted at a ...

### **Solar power in China**

In 2011, China owned the largest solar power plant in the world at the time, the Huanghe Hydropower Golmud Solar Park, which had a photovoltaic capacity of 200 MW. In 2018, it held the record again ...



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