



# China s largest photovoltaic panel power plant





## Overview

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The installation, located in Urumqi in the northwestern region of Xinjiang, in the Gobi Desert of China, has 3.5 GW of generation capacity, and at present is the largest solar power installation worldwide. State-owned China Green Development Group (CGDG) is behind the project. A solar power project in the Gobi Desert has moved the needle on the size and scope of global photovoltaic installations, aided by innovation in equipment and construction. The numbers tell much of the story of the Midong solar farm. Over the last few years, China, which is the top emitter of greenhouse gases (GHG), has increased its share of renewable electricity generation. It is one of several large economies that has resorted to the. Estimates suggest the country installed more photovoltaic panels in one year than the US has set up in its entire history of harnessing the Sun's power. The HG14 project off Dongying in Shandong province reached full grid connection in late December 2025, marking a leap in offshore.



## China's largest photovoltaic panel power plant



### China's giant open-sea solar farm is quietly rewriting its power grid

The 1 GW power plant at sea The centerpiece of this shift is the Guohua Investment Shandong HG14 installation, a 1 gigawatt array of photovoltaic modules planted in open coastal waters off

### World's Largest Solar Plant Surpasses 3.5 GW in China's Xinjiang

China's 3.5 GW Midong solar farm now holds the title for the world's largest, providing a sustainable power benchmark and eclipsing previous records.



### [Tengger Desert \(Chinas Largest\) Solar Park](#)

The 1.5 GW Tengger Desert Solar Park, also known as Great Wall of Solar, is the largest solar PV power station in China.

### China's Massive Open-Sea Solar Plant Is Changing More Than ...

A massive open-sea solar plant is under construction in China, designed to power millions of homes and test how floating solar works at scale.



### Solar power farms on plateau fuel China's green energy revolution

XINING, June 9 -- Amid China's green energy revolution, the world's largest solar photovoltaic power plant on the Qinghai-Xizang Plateau is forging a unique development path, ...



### World's largest solar plant goes online in China - pv magazine

China Green Electricity Investment of Tianjin, a subsidiary of China Green Development Group (CGDG), has switched on the 3.5 GW Midong PV farm in Urumqi, China's Xinjiang region. ...



### China just built the world's largest floating solar plant: Here's how

The panels are cooled by sea air and receive extra reflected sunlight from the water, they generate 5-15% more power than similar systems on land. China has transformed a vast stretch of ...



### World's Largest Solar Plant: China



## Turns on Massive 3.5-Gigawatt ...

Recently, a subsidiary of the China Green Development Investment Group has inaugurated the world's largest solar plant, a 3.5-gigawatt operation located in the Xinjiang region, as reported by ...



## [Largest solar power stations in China](#)

Located in remote Qinghai province, with a total installed capacity of 2.2 gigawatts, it is China's largest and world's 2nd largest solar plant. The development plan of the project was divided into 5 phases ...

## [Solar by the Numbers: Midong Is China's Latest Mega-Marvel](#)

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