

Tarim Solar Power Generation



Overview

China's largest ultra-deep oil and gas production base, the Tarim oilfield, which is also the main gas source for China's west-to-east gas transmission project, has achieved an annual photovoltaic power generation exceeding 2 billion kilowatt-hours, with daily peak generation. China's largest ultra-deep oil and gas production base, the Tarim oilfield, which is also the main gas source for China's west-to-east gas transmission project, has achieved an annual photovoltaic power generation exceeding 2 billion kilowatt-hours, with daily peak generation. China's Tarim Oilfield's five solar power plants have pushed annual photovoltaic electricity generation beyond 2 billion kilowatt-hours, setting a new milestone for integrated fossil fuel and renewable energy development in China. Photo: Xinhua China's largest ultra-deep oil and gas production base, the. The annual solar power generation at PetroChina Tarim Oilfield, China's third-largest onshore oil and gas field, has surpassed 2 billion kWh as of Sunday. To date, Tarim Oilfield has completed five centralized solar power projects with a total installed capacity of 2. With five large-scale solar stations and 239 distributed projects, the oilfield is advancing green energy integration while supporting ecological protection in the. China's Tarim oilfield, one of the country's largest oil and gas producing areas, has generated more than 1. 1 TWh of green electricity so far this year, harnessing solar resources along the Taklamakan desert, state-owned China National Petroleum Corporation (CNPC) said on June 7.



Article Content

Tarim Oilfield in NW China's Xinjiang records solar generation of over ...

To date, Tarim Oilfield has completed five centralized solar power projects with a total installed capacity of 2.6 million kilowatts, along with 239 distributed photovoltaic projects at

China's solar-powered highway yields 5M+ kWhs of green electricity

China's solar-powered Tarim Desert Highway, recognized as the longest photovoltaic irrigation and sand control project in China, has generated more than 5 million kilowatt-hours of

NW China's Tarim oilfield breaks record with annual solar power ...

Located in the heart of the Taklimakan Desert, the Tarim oilfield boasts 239 distributed solar projects at individual oil and gas wells and field stations.

China's Tarim Oilfield Hits 2B kWh Solar Milestone in 2025

The Tarim Oilfield, China's third-largest onshore oil and gas production base, has achieved a renewable energy breakthrough with its solar power generation surpassing 2 billion

The annual solar power generation at PetroChina Tarim ...

To date, Tarim Oilfield has completed five centralized solar power projects with a total installed capacity of 2.6 million kilowatts.

China's Tarim Oilfield Solar Power Generation Tops 2 Billion kWh

China's largest ultra-deep oil and gas base, the Tarim oilfield in Xinjiang, has generated over 2 billion kWh of solar power this year. With five large-scale solar stations and 239 distributed projects, the

China's Tarim Oilfield records solar generation of over 2 ...

The annual solar power generation at PetroChina Tarim Oilfield, China's third-largest onshore oil and gas field, has surpassed 2 billion kWh as of Sunday. To date, Tarim Oilfield has

Tarim Oilfield solar power output tops 105 mln kWh-Xinhua

Workers of PetroChina's Tarim Oilfield branch set up photovoltaic equipment along the Tarim Desert Road in northwest China's Xinjiang Uygur Autonomous Region, March 20, 2022.

CNPC marks a major step to green transition

China National Petroleum Corporation (CNPC) has marked a major step in its green transition with the successful commissioning of its largest-ever solar project at the Tarim oilfield in the ...

China's Tarim oilfield green power generation tops 1.1 TWh so far in ...

China's Tarim oilfield, one of the country's largest oil and gas producing areas, has generated more than 1.1 TWh of green electricity so far this year, harnessing solar resources along

Tarim Oilfield's annual green electricity output tops 2 billion kWh

The Tarim Oilfield in northwest China's Xinjiang Uygur Autonomous Region has generated over 2 billion kilowatt-hours (kWh) of solar power this year, setting a new annual record,

China's Tarim Oilfield Solar Power Generation Tops 2 Billion kWh

With five large-scale solar stations and 239 distributed projects, the oilfield is advancing green energy integration while supporting ecological protection in the Taklimakan Desert.

Sunny outlook for Tarim solar power

The Tarim Oilfield has accelerated the construction of new energy bases, making full use of the natural advantages of abundant solar energy resources and surplus land in southern Xinjiang. Expediting

China's Tarim oilfield surpasses 2b KWh solar power generation in

China's Tarim Oilfield's five solar power plants have pushed annual photovoltaic electricity generation beyond 2 billion kilowatt-hours, setting a new milestone for integrated fossil fuel

NW China's Tarim oilfield breaks record with annual solar power ...

Within the Tarim oilfield, five large-scale solar power stations have been built, with a cumulative installed generation capacity of 2.6 gigawatts. Also, full-scale construction of a 100

Tarim Oilfield sets new solar power record in Taklimakan desert

China's Tarim Oilfield, a main gas source for the West-East Gas Pipeline, has generated more than 2 billion kilowatt-hours of solar power in 2025, with peak daily output exceeding 10 million ...

Tarim oilfield builds 200-megawatt photovoltaic power

URUMQI, Jan. 1 (Xinhua) -- The Tarim oilfield branch of PetroChina, China's leading oil and gas producer, said on Saturday that it had completed

The Big Headlines From the IEA's Global Energy Review 2026

This earth-shaking statistic comes from the International Energy Agency 's Global Energy Review 2026, a report published earlier this month that reflects on the figures from 2025. Solar power

Tarim oil field integrates solar energy with oil production and exceeds ...

The advance of solar energy No. Tarim oil field, with the historic mark of more than 2 billion kWh generated, highlights a structural transformation in energy industry.

Tarim Oilfield generates over 1.1 bln kWh of green energy this year

The Tarim Oilfield in northwest China's Xinjiang Uygur Autonomous Region has generated more than 1.1 billion kilowatt-hours of green electricity since the beginning of this year, PetroChina

Solar power turns China's "sea of death" highway into green corridor

A 522-kilometer highway cutting through one of the world's most hostile deserts has reached a green energy milestone, generating more than 15 million kilowatt-hours of solar power and

China's Solar-Powered Tarim Desert Highway: A Green Energy

Conclusion China's Tarim Desert Highway stands as a testament to the transformative potential of green energy infrastructure. By harnessing solar power to drive irrigation and ecological conservation

Xinjiang Tarim Oilfield Photovoltaic Power Generation

After the 1.1 million-kilowatt photovoltaic power generation project in Kashi is completed and connected to the grid on schedule, it will inject new

Sunny outlook for Tarim solar power

Xinjiang has abundant new energy resources such as wind and solar power, making it a major clean energy base promoted in the national 14th Five-Year Plan (2021-25). Its technical

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