



# Saudi Arabia's wealthy solar power generation

Why is Saudi Arabia investing in solar energy?

Leveraging its abundant sunshine and vast desert areas, Saudi Arabia is now pivoting to solar energy, aligning with its Vision 2030 plan to diversify its economy and ensure sustainable growth by reducing oil dependency and investing in renewable energy.

Why is Saudi Arabia moving to solar energy?

The transition to solar energy in Saudi Arabia aligns closely with the Sustainable Development Goals (SDGs). The shift towards solar energy contributes significantly to SDG 7, which aims to ensure access to affordable, reliable, sustainable, and modern energy for all.

What is the transition to solar energy in Saudi Arabia?

The transition to solar energy in Saudi Arabia is spearheaded by the Ministry of Energy through the Renewable Energy Program. Key stakeholders in the private sector, alongside international partners such as ACWA Power, Alfanar Group, and EDF Renewables, play pivotal roles in driving this initiative forward.

Is Saudi Arabia a good country to use solar energy?

Saudi Arabia has among of the world's greatest levels of solar radiation, making it one of the best nation suited to use solar energy. Fig. 7 shows the solar PV power potential map for various parts of Saudi Arabia.

Why is Saudi Arabia a pioneer in solar energy?

Saudi Arabia's transformation from an oil-reliant economy to a pioneer in solar energy marks a pivotal change in its national development and global influence. Historically, Saudi Arabia's economic and political clout has been strongly anchored in its vast oil reserves.

Is solar energy enhancing social equity in Saudi Arabia?

**Social Equity:** The move towards solar energy is significantly enhancing social equity in Saudi Arabia. By generating new job opportunities within the solar energy sector and emphasizing skill development and social mobility, the initiative is making strides in ensuring that the benefits of renewable energy reach all corners of society.

The transition is underway in select regions of the country, chosen for their solar generation potential. Key locations include Sakaka in Al Jouf Province, Al Shuaibah in Makkah Province, and Sudair in Riyadh ...

Saudi Arabia wants to boost solar power output to meet a large amount of the country's prospective energy needs. ... It is a reasonably wealthy country, and electricity demand is increasing at a pace of ... (Mt), with net exports of 355 Mt ...

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Total oil burn, including fuel oil, averaged 1.01 million bpd in May -- the lowest figure for the month since 2020. But the volume rose by more than 40 percent in June, the highest since June 2022, when Saudi Arabia ...

Inaugurated in 2021, the Sakaka Solar Power Plant in Al-Jouf uses photovoltaic technology. Made up of more than 1.2 million solar panels arranged across 6 sq. km, it produces low-cost energy at ...

Saudi Arabia has not fully exploited the huge potential of renewable energy such as solar power. The countries located along the "sunbelt" area have high sunlight intensity and ...

Saudi Arabia is backing a British firm developing a plan to beam unlimited solar power from space down to Earth. Saudi Arabia officials met with UK Business Secretary Grant Shapps last week to discuss ambitious plans for ...

Solar resource maps of Saudi Arabia . Saudi Arabia is in the heart of one of the world's most ... Saudi Arabia is a huge country, covering 2.3 million square kilometers. It is a reasonably ...

10/01/2018 October 1, 2018. Saudi Arabia and funding partner SoftBank have reportedly shelved the \$200 billion project. It was part of the kingdom's economic transformation plan and would ...

"The new agreements are part of PIF's efforts to localise advanced technologies in the renewable sector in Saudi Arabia and meet commitments to increase the share of local content, as well ...

On November 30th ACWA Power, a local utilities company, signed an agreement with Water and Electricity Holding Company (Badeel) to build the world's largest single-site solar-power plant in Al Shuaibah, Mecca ...

