

Government subsidy for containerized solar power plant in Saudi Arabia



LFP 12V 200Ah



Overview

Under the new scheme, named for the Arabic word for renewables Mutjadedda, component manufacturers can borrow up to 75% of a project's cost from the government and benefit from loan repayment periods of up to 20 years and grace periods of up to 36 months. What is Saudi Arabia doing with solar energy?

In 2023, Saudi Arabia took a major leap in solar energy production with several large-scale projects. The Saudi Power Procurement Company (SPPC) initiated the qualification process for four groundbreaking solar projects with a combined capacity of 3,700 MW.

How much money does Saudi Arabia invest in solar energy?

This commitment is backed by a massive investment of 705 billion riyals (approximately 188 billion US dollars), ensuring rapid growth in the sector. In 2023, Saudi Arabia took a major leap in solar energy production with several large-scale projects.

Is solar phasing out energy subsidies?

But experts say the critical factor driving recent solar take-up may be the phasing out of energy subsidies that began in 2018 as part of wider economic reforms, which included the rollout of large-scale renewable projects. "We invested in solar and actually it's paying back," said Mazen Fakeeh, president of Fakeeh Care Group.

What are the biggest solar projects in Saudi Arabia?

Among the most prominent projects is the Sudair Solar PV Plant, which recently reached an operational capacity of 1,125 MW, with an ultimate goal of 1,500 MW. It stands as one of the largest single-contracted solar plants in the world and the largest in Saudi Arabia.

Why is Saudi Arabia investing in green hydrogen?



Beyond solar, Saudi Arabia is also investing in green hydrogen. The Neom Green Hydrogen Project, which integrates 2.2 GW of solar energy with wind power and battery storage, is a key part of this transition. This initiative aligns with global efforts to reduce carbon emissions and establish the Kingdom as a leader in sustainable energy.

Can Chinese investments help reduce solar costs in Saudi Arabia?

Chinese investments have played a key role in lowering solar costs. Roughly one-third of \$21.6 billion in greenfield FDI from China into Saudi Arabia since 2021 has gone to clean technologies, including solar components. But the biggest shift has come from within.



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[Using the sun: Solar revolution in Saudi Arabia](#)

Saudi Arabia leads the world in the extraction of energy from the Earth, but what is drawing attention is the Kingdom's determination to harness a power source in the sky. The Gulf major's solar business is being driven by ...

[Saudi Arabia to boost renewable energy with \\$8bn...](#)

A consortium led by Saudi utilities giant ACWA Power is to invest \$8.3bn to build 15 gigawatts of solar and wind farms in the kingdom as it accelerates its push into renewables. ACWA Power, owned



Sakaka Solar Power Plant

Sakaka Solar Power Plant or Sakaka PV Power Plant is the first utility-scale renewable photovoltaic energy plant in the Kingdom of Saudi Arabia. The Custodian of the Two Holy Mosques, King Salman Bin Abdulaziz Al Saud, laid ...

[How investment in solar capacity is powering Saudi...](#)

RIYADH: Saudi Arabia is embarking on a transformative journey to establish itself as a key player in the global renewable energy sector.



With a goal of sourcing 50 percent of its electricity from renewable sources by 2030, the ...



Two major Saudi solar projects reach financial close ...

Two major solar photovoltaic power projects in Saudi Arabia have achieved financial close with total investment of \$2.37 billion. The projects are being developed by energy company Acwa Power, the Water and Electricity ...

List of Solar Power Projects in the Kingdom

The Kingdom of Saudi Arabia boasts a geographical and climatic location conducive to leveraging solar electricity generation projects. Consequently, the Saudi government has initiated numerous projects aimed at diversifying local ...



The Solar PV Cell & Module Manufacturing Plant

The facilities will bring the latest solar energy technologies to Saudi Arabia and create top-quality equipment that can withstand extreme heat and sandstorms. The internationally accredited Laboratory examines the efficiency and ...



[Major milestone in KSA renewables programme as ...](#)

The new solar PV facilities, with a combined value of SAR12.3 billion (USD3.3 billion), are expected to contribute an additional 5,500 MW of renewable energy to the national power grid once operational in the first half of ...



Solar Power Plants Licensing , ?????? ???? ???????? ?????? ?? ...



The Solar Power Plants Licensing Service is provided by relevant authorities in Saudi Arabia to regulate the renewable energy sector and encourage investment in it. The service aims to facilitate the establishment and operation of solar ...

[Introduction to Solar Energy Development in Saudi ...](#)

In response to these challenges and the shifting global energy paradigm, Saudi Arabia is strategically transitioning to solar energy. Its geographical position offers an unparalleled advantage for solar energy ...



[Prospects of large-scale photovoltaic-based power ...](#)

In the research, the techno-economic analysis of a large-scale solar PV power generation system has been conducted. The diesel power plants that are currently in operation in the Kingdom of Saudi Ara



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