

Solar industry riyadh

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Compare market size and growth of Saudi Arabia Solar Energy Market with other markets in Energy & Power Industry

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The Saudi Arabian solar energy market is expected to reach 1,028 MW by the end of the current year, and it is projected to register a CAGR of 51% during the forecast period.

Although the COVID-19 pandemic affected the market studied in 2020, it has been recovering and reached pre-pandemic levels. Over the forecast period, factors such as supportive government policies, increasing efforts to meet power demand using solar energy, and decreased fossil-fuel dependency are expected to drive the market's growth. However, the increasing adoption of alternate clean power sources, such as wind, and the availability of fossil fuels are expected to restrain the growth of the solar energy market during the forecast period.

Saudi Arabia's National Renewable Energy Program aims to achieve 40 GW of solar energy installed capacity by 2030. This is expected to create significant opportunities for the market in the near future.

Solar energy is a type of renewable energy where solar panels are used to generate electricity. Solar panels deployed on rooftops or mounted on the grounds are utilized effectively by energy consumers.

Saudi Arabia's solar energy market is segmented by type into solar photovoltaic (PV) and concentrated solar energy (CSP). For each segment, the market sizing and forecasts have been done based on the installed capacity (MW).

The distinct geographical and climatic location of Saudi Arabia makes utilizing renewable energy sources, especially solar energy sources, economically attractive, supporting Saudi efforts to diversify the domestic energy mix. The solar PV segment is expected to hold the largest market share during the forecast period, owing to the declining costs of solar modules and the versatility of these systems for various applications, like



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electricity generation and water heating.

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