

In 2020, solar energy in Egypt accounted only for 1.9% of the produced electricity, making it the country's second-highest renewable energy source. Egypt is the second-highest solar energy generator in Africa after South Africa, whilst it ...

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The nation has advanced to the forefront of solar energy utilisation thanks to its ample sunshine, advantageous position, and changing legislation. In this column, we examine Egypt's solar energy trends for 2023 and the potential they present.

Egypt's goal is to have renewable energy installed capacity reach 8,778 MW in 2022, accounting for 14.4% of power generation (excluding hydropower), and plans to have renewable energy power generation accounting for 50% in 2030.

The latest figures published by Egypt's New and Renewable Energy Authority (NREA) indicate the country's power generation mix is currently 80% thermal, 12% wind, 6% hydro, and 2% solar.

Harnessing the power of sunlight is a cost-effective way to generate energy, resulting in significant long-term savings. According to the International Renewable Energy Agency (IREA), solar power in Egypt can be produced for as little as \$0.02/kWh, whereas fossil fuel-generated electricity can cost over \$0.06/kWh. Source of independent energy

Wind and solar are starting to grow, comprising 5% of the country's electricity in 2023, up from just 1% in 2015. However, this figure is still below both the global average (13%) and the regional average for Africa (6%). Egypt is Africa's largest fossil gas generating country, responsible for 45% of the continent's gas generation in 2022.

The companies that emerged and later became staples in the solar energy ecosystem play a crucial role in advancing solar energy solutions. Here are seven leading Egyptian solar energy companies contributing to the ...

Egypt is working on increasing the supply of electricity generated from renewable sources to 20% by 2022 and 42% by 2035, with wind providing 14 percent, hydropower 1.98 percent, photovoltaic (PV) 21.3 percent, wind 14 percent, concentrating solar power (CSP) 5.52 percent, and conventional energy sources 57.33 percent by 2035.



Generating solar energy Egypt

Egypt aims to increase the share of renewables in electricity generation to 42% by 2035, compared to 20% in 2022. Learn about the renewable energy sector in Egypt in this post

Egypt occupies the fourth place globally, in terms of the largest plants to generate electricity from solar energy, after the completion of the operation of the Benban solar plant with a capacity of 2000 megawatts, in cooperation with the private sector.

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