



# The cost of solar power generation in my country

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Data and analysis including a list of solar power in every country in the world, countries with the most solar power, and countries that generate the highest percentage of their electricity from solar power.

Comprehensive 2025 guide to renewable energy costs. Compare solar, wind, and clean energy pricing vs fossil fuels. Includes latest LCOE data, trends, and projections.

This chart shows the levelized cost of energy generation by source (in U.S. dollar per MWh).

In 2024, renewables helped avoid USD 467 billion in fossil fuel costs, reinforcing their role in enhancing energy security, economic resilience, and long-term affordability.

These benchmarks help measure progress toward goals for reducing solar electricity costs and guide SETO research and development programs. Read more to find out how these cost benchmarks are ...

In 2022, the global weighted average levelised cost of electricity (LCOE) from newly commissioned utility-scale solar photovoltaics (PV), onshore wind, concentrating solar power (CSP), bioenergy and ...

Depending on the local regulatory environment, some or all wholesale costs may be passed through to consumers. These are costs per unit of energy, typically represented as dollars/megawatt hour ...

In 2024, solar photovoltaics (PV) were on average 41% cheaper than the lowest-cost fossil fuel alternatives, while onshore wind was 53% cheaper. Onshore wind also remained the ...

Data and analysis including a list of solar power in every country in ...

The average cost per unit of energy generated across the lifetime of a new power plant. This data is expressed in US dollars per kilowatt-hour. It is adjusted for inflation but does not account for ...



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The typical home solar system is about 5 kW or around 20 solar panels. While solar prices are expected to go down in 2024, they will still be 10-15% higher than in 2020.

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