

The price of electricity generated by solar power stations

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 ...

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

Solar electric power generation is more than just an environmental boon; it is an evolving economic force that is reshaping how electricity is produced, distributed, and priced. The increasing share of ...

Average construction costs for solar generators increased by 1.7% in 2022, and for wind turbines they increased by 1.6%. These three technologies--solar, wind, and natural ...

The cost of renewable energy has reached a historic tipping point in 2025, with solar and wind power now representing the cheapest sources of electricity generation in most regions worldwide.

Solar power was by far the most expensive renewable source of electricity among the technologies studied, although increasing efficiency and longer lifespan of photovoltaic panels together with ...

Data source: IRENA (2025); IRENA (2024) - Learn more about this data. Note: Costs are expressed in constant 2024 US\$ per kilowatt-hour. How have things changed? When will countries phase out coal ...

As of 2023, solar is 14% cheaper than energy produced by gas. But if we look back to 2009, solar was 433% more costly than energy generated by gas. Today, wind is the lowest cost ...

Solar Installed System Cost Analysis NLR analyzes the total costs associated with installing photovoltaic (PV) systems for residential rooftop, commercial rooftop, and utility-scale ...

Lawrence Berkeley National Laboratory compiled and synthesized empirical data on the U.S. utility-scale solar sector. The focus is on ground-mounted systems larger than 5M AC, including ...

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Web: <https://www.idsolar.co.za>