



# Solar power prices fall in the long term

Does solar power cost more than 85%?

Subscribe to Electrek on YouTube for exclusive videos and subscribe to the podcast. The cost of solar power has fallen by 87%, and battery storage by 85% in the past decade, according to a new study - here's why.

How much does solar cost?

The cost of solar has been falling for a long time. "Over the last decade, prices have come down by over 50% in the residential space," Rumery said. Considering Solar Panels? The average cost of a rooftop solar system now hovers around \$25,000.

What happened to electricity prices in a decade?

Within just one decade the price declined by 89% and the relative price flipped: the electricity price that you need to charge to break even with the new average coal plant is now much higher than what you can offer your customers when you build a wind or solar plant.

How long did it take solar to become more affordable?

It took solar 6 decades to become more affordable. Just 10 years ago, it was much cheaper to build a new power plant that burns fossil fuels than to build a new solar photovoltaic (PV) or wind plant. Wind was 22%, and solar 223% more expensive than coal.

Will solar power fall more than 6% a year?

The average prediction was 2.6% annually. Not one single expert in the field envisioned that solar power would fall more than 6%. And then what happened? Solar power costs fell by 15% per year. Other technologies have seen similar dips in costs, too.

How does technology affect the cost of solar power?

This states that the cost of technology falls consistently as the cumulative production of that technology increases. The chart shows the perfect example of this for solar power. This data comes from the International Renewable Agency, Greg Nemet, and Doyne Farmer & François Lafond.

Initial investment accounts for the majority of solar PV and wind power plant generation costs, as operations and maintenance expenditures are low. In late 2020, the prices of major inputs such as steel, copper, aluminium and ...

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