

# Is solar power generation afraid of being cut off



## Overview

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That expected growth is down from the record 37 gigawatts of solar power capacity that was added in 2024 and may dwindle further as some analysts believe that solar power may face Trump administration policies that will stagnate project development or continue it at a. That expected growth is down from the record 37 gigawatts of solar power capacity that was added in 2024 and may dwindle further as some analysts believe that solar power may face Trump administration policies that will stagnate project development or continue it at a. As the penetration of variable renewable energy increases, curtailment of solar PV generation will only increase. Since curtailment will almost always be cheaper than investing in new transmission capacity or new grid-scale storage, curtailed energy should be rewarded, so that PV investment. The Energy Information Administration (EIA) released a piece last week about the frontrunner in the headlong rush for more solar and wind power, California. The unfortunate result is that the state has so much solar generation at peak hours that the grid operator must curtail 29 percent more. In our latest Short-Term Energy Outlook (STEO), we expect U. electricity generation will grow by 1. 6% in 2027, when it reaches an annual total of 4,423 BkWh. 2024. As Australia adds massive amounts of rooftop solar power per year, the discourse is turning from: “we need coal/nuclear because there isn't enough solar to feed into the grid” to “we need to switch off solar to preserve grid stability. ” The point is, though, that we do, but only as a last resort. Rooftop solar contributed 12. (Getty Images: Brendon Thorne/Bloomberg) When the sun is blazing and the wind is blowing, it is supposed to be the Australian electricity generators' most fruitful time of day.

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### Solar Power's Future in the U.S. May Be in Jeopardy

That expected growth is down from the record 37 gigawatts of solar power capacity that was added in 2024 and may dwindle further as some analysts believe that solar power may face ...

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### Curtailing solar photovoltaics is here to stay, overbuilding PV will

With the costs of photovoltaics still declining, solar power plants and rooftop photovoltaic systems will become increasingly widespread, and this problem will naturally be minimized.



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### California is throwing away solar power it can't use

The unfortunate result is that the state has so much solar generation at peak hours that the grid operator must curtail 29 percent more electricity than it did in 2023. Curtailment is an ...

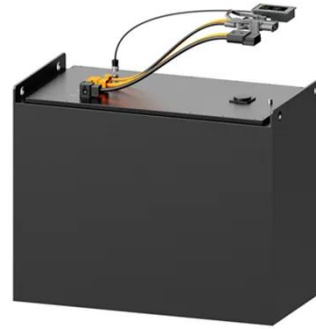
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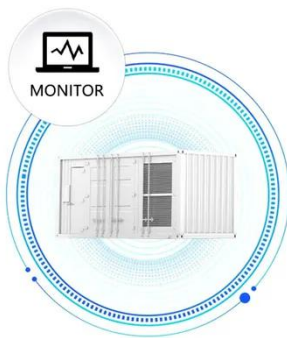
### Solar's growth in US almost enough to offset rising energy use

As of yesterday's data release by the Energy Information Administration (EIA), which covers the first nine months of 2025, total electricity demand has risen by 2.3 percent. That ...

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## Renewable energy generators need to cut supply to stay sustainable

When the sun is blazing and the wind is blowing, it is supposed to be the Australian electricity generators' most fruitful time of day. But sometimes renewable energy producers have to ...

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## Green energy gets switched off as power systems fail to keep up

Wind and solar farms are wasting energy at rising rates by stopping production because there is not enough capacity to transport or store the electricity when demand is not high enough to ...

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## Solar power generation drives electricity generation growth over the

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to

about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest ...

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### **Rooftop Solar Kill Switch, or Sometimes the Sun Shines Too Much**

If solar generation is in excess of consumption and cannot be exported to the grid, unscheduled blackouts and network failures will be the result as breakers trip.

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### **ESS**



### **Opinion , Why Trump's War on Solar Power Will Fail**

Since the big domestic policy bill that was recently passed cut the knees out from under federal support for sun, wind and batteries, how long will that dark age last, and how much damage ...

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### **Renewables won't save us from climate catastrophe, experts warn;**

...

So it appears high tech alone can't save the world from catastrophic climate

change; only massive cuts in fossil fuels can do that, say experts. But even addressing the climate change ...

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### **Green energy gets switched off as power systems fail ...**

Wind and solar farms are wasting energy at rising rates by ...

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