

**PIENAAR ENERGY (PTY) LTD**

# **Solar power generation exceeds nuclear power**



## Overview

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The data shows that solar power was the fourth-largest source of global electricity generation in April 2025, surpassing both wind and nuclear for the first time on record. New report finds global nuclear power capacity is less than the solar added in 2023 alone DCIM100MEDIADJI\_0046. Since then, solar has completely flipped the script. This signals a fundamental. During peak production months solar power can exceed output from most other clean energy sources. As solar farms are dependent on sunlight and produce power only during the day, their annual output typically lags behind wind, nuclear and hydro power systems on. This summer, solar power generation globally could exceed electricity from nuclear power plants for the first time ever, as solar capacity soars and sunlight and daylight hours are long in the northern hemisphere.

## Solar power generation exceeds nuclear power

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### Solar And Wind Power Generation Exceeds Nuclear Output In US

The United States saw a historic moment in the first half of 2024 as electricity generated from solar and wind farms combined exceeded output from nuclear plants for the very first time.

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### There's now five times more solar than nuclear power in the world

As solar capacity continues to increase, it is worth remembering its humble beginnings relative to expensive and risky alternatives like nuclear. Solar has exceeded expectations, surpassed ...



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### World solar generation set to eclipse nuclear for the first time

Global electricity generation from solar farms is set to exceed output from nuclear reactors for the first time this summer, marking an important milestone in the continuing growth of

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## Solar surpasses nuclear for first time, contributes 10% of global power

The data shows that solar power was the fourth-largest source of global electricity generation in April 2025, surpassing both wind and nuclear for the first time on record. The new ...

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## Solar Power Set to Surpass Nuclear Generation This Summer

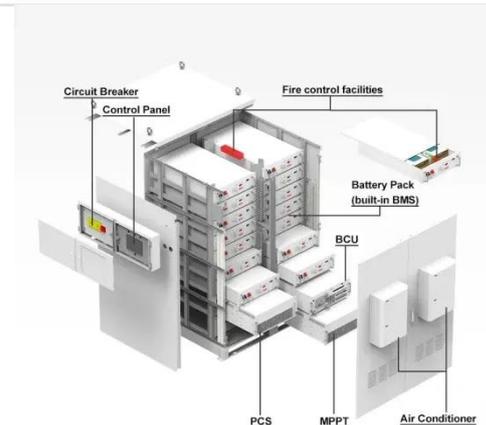
Global solar power generation is projected to exceed electricity from nuclear power plants for the first time this summer due to increasing solar capacity and longer daylight hours.

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## Global solar power 5 times ahead of nuclear energy in ...

The World Nuclear Industry Status Report 2024 reveals solar PV capacity has surpassed nuclear fivefold, a major shift towards renewables.

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## Solar Power Set to Surpass Nuclear Generation This Summer for the ...



Global electricity generation from solar farms is on track to eclipse nuclear output for the first time this summer, marking a pivotal moment in the rise of solar energy as a cornerstone of the ...

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## Solar power set to surpass nuclear - and more top energy stories

Solar generation to exceed nuclear  
Global electricity generation from solar farms is set to exceed output from nuclear reactors for the first time this summer, Reuters reports.



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## Solar Power Generation Now Exceeds Nuclear, Reshaping Global

Solar's exponential growth, driven by an 80% cost drop, has pushed its global electricity share past nuclear for the first time. Solar power has reached a historic milestone, providing a larger ...

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## Will Solar Power Generation Surpass Nuclear Generation by 2026?

Global solar power generation is on track to surpass nuclear output for the first time, with record-breaking growth in 2024 and projections pointing to a major milestone by 2026.

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