

# The latest scientific research results on solar power generation



## Overview

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28, 2026 □ A new solar breakthrough may overcome a long-standing efficiency barrier. Researchers used a "spin-flip" metal complex to capture and multiply energy from sunlight through singlet fission.

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### Solar Energy News -

Solar Energy Information. Read the latest news and techniques for efficient solar photovoltaic power, new solar energy systems and more.

### Current Status and Future Direction of Photovoltaics

Photovoltaic (PV) energy conversion is expected to contribute to the creation of a clean energy society. For realizing such a vision, various



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### Solar Research , NLR

NLR's solar energy research includes next-generation solar technologies for national security applications and emerging industries as well



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Is Negotiating an Iran Deal That Would Buy Time, Again. The U.S. proposed a 20-year "suspension" of all nuclear activity, even as President Trump demanded assurances that Iran never build a nuclear



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## Solar energy

Tropical thunderstorms cause rapid fluctuations in photovoltaic generation that stress electricity grids. Decentralized electric vehicle charging balances these fluctuations and enables



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## Recent advances in solar photovoltaic technologies: Efficiency

Recent advances in solar photovoltaic (PV) technologies have significantly transformed the landscape of renewable energy.





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## [Science's 2025 Breakthrough of the Year: The](#)

To many, the continued growth of renewables now seems unstoppable-a prospect that has led Science to name the renewable energy



## **A review of solar photovoltaic technologies: developments, challenges**

Solar photovoltaic (PV) technology has emerged as a key renewable energy solution, yet its widespread adoption faces several technical and economic challenges.

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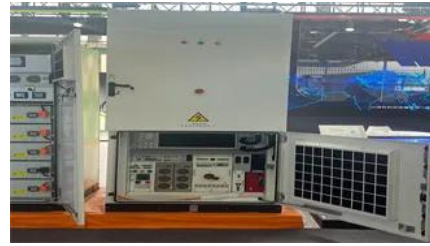


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## **(PDF) An Evaluation of Renewable Energy**

Bringing together the latest research in climate science, renewable energy technology, employment and resource impacts, the book breaks new

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