New solar power technology breakthrough

A team of Chinese researchers has developed a solar cell that converts 34.58% of sunlight into electricity, which sets a new record for silicon-perovskite tandem technology.

Discover the latest breakthroughs in solar power technology, from high-efficiency perovskite and tandem cells to smart AI-driven systems and advanced energy storage solutions.

Researchers discovered a new way organic molecules can mimic the quantum mechanics of inorganic materials, turning light into electricity with extraordinary efficiency. This ...

Learn how perovskite tandem solar cells combine silicon and perovskites to boost efficiency and lower costs. Find out which companies are ...

As of January 2025, the solar energy sector is experiencing several groundbreaking advancements poised to enhance efficiency, sustainability, and global energy accessibility. Here are some of the ...

Solar cells that combine traditional silicon with cutting-edge perovskites could push the efficiency of solar panels to new heights.

Scientists unveil a groundbreaking discovery that could transform solar panels. Learn how this innovation paves the way for a brighter future!

Discover the latest renewable energy innovations revolutionizing solar, wind, storage, and grid technologies. Expert analysis of 25+ breakthrough clean energy solutions.

Experts are working to improve the power conversion rate of solar technology. Innovations such as panels using perovskites are showing promising results. A World Economic ...

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Solar power is no longer inching forward, it is compounding. In laboratories and early commercial lines, scientists are stacking new materials, coatings, and designs that push panels far beyond ...

Scientists at Oxford University Physics Department have developed a revolutionary approach which could generate increasing amounts of solar electricity without the need for silicon ...

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