



When will photovoltaic energy storage break through

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Solar and battery storage are set to account for 79% of 86 GW of new utility-scale capacity planned in the United States in 2026, marking the largest annual increase in more than two decades ...

Standard solar panels lose efficiency as temperatures rise. But a new study, published in The Journal of Chemical Physics, shows that in special ...

The United States installed approximately 14.1 gigawatt (GW)-hours (4.3 GW alternating current [GW ac]) of energy storage onto the electric grid in ...

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Published February 25, 2026 Beyond Lithium-Ion: A New Era of Solar Energy Storage For years, the intermittency of solar energy has posed a significant challenge. While solar panels ...

In a recent Science paper, a team of researchers from the University of California, Santa Barbara, and UCLA demonstrate a breakthrough that might finally make MOST energy storage ...

Weekly SolarQuarter Tech Newsletter covering breakthroughs in perovskite solar, battery safety, energy storage, AI-driven solar management, and next-generation clean energy technologies.

Photovoltaic (PV) technology has become a cornerstone in the global transition to renewable energy. This review provides a comprehensive analysis of recent advancements in PV ...

Africa installed a record 4.5 gigawatts (GW) of photovoltaic (PV) solar power capacity in 2025, according to the Global Solar Council, which marked a 54% jump from the year before.



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A Breakthrough in Solar Storage The new material, pyrimidone, functions much like a rechargeable battery, but instead of storing electrical energy, it stores solar energy in the form of heat.

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