Title: Solar cell efficiency breakthrough
Generated on: 2026-04-13 23:05:32

A team from the Chinese solar technology firm Longi has set a new world record of 33.9% for a silicon-perovskite tandem solar cell, surpassing the previous record set in May by the King Abdullah ...

Record-Breaking Solar Cell Technology Changes Energy Landscape A revolutionary breakthrough in solar cell technology has achieved an unprecedented 35% efficiency rate, marking a significant leap ...

Earlier in 2025, Chinese solar manufacturer Longi announced it had built the world"s most efficient solar cell. The hybrid interdigitated back-contact (HIBC) cell achieved 27.81% ...

The world record for solar cell efficiency is 47.6%, achieved by a four-junction concentrated photovoltaic (CPV) cell in June 2022, but this is for a specialized solar cell, not a ...

This efficiency benchmark situates these tandem solar cells at the forefront of photovoltaics innovation, showcasing the practical viability of hydrogen-bond network engineering in ...

Revolutionary perovskite-silicon tandem solar cells are achieving over 33% efficiency in 2025, potentially reducing your system costs by 30% while generating more power from the same roof space.

Scientists have achieved a record 33.1% efficiency in perovskite-silicon tandem solar cells, solving industrial challenges and accelerating the path to commercial adoption.

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

Website: https://elalmacendelaireacondicionado.es