

# Longi's highest efficiency photovoltaic panel

LONGi Solar is the world's leading manufacturer of high-efficiency monocrystalline silicon wafers and PV modules. With advanced HPBC and PERC technology, LONGi delivers reliable, high-performance ...

Longi has unveiled a new solar module that utilises the company's proprietary hybrid interdigitated back contact (HIBC) crystalline silicon solar cell based on a full-size silicon wafer, and ...

Leading Chinese solar manufacturer Longi has unveiled a powerful new 670 watt (W) solar panel and announced a new world record for silicon solar cell conversion efficiency.

The panels from LONGI Solar are the ones of the most efficient solar panels with almost 25% efficiency ratings due to HPBC technology. LONGi provides a 12-25-year product warranty and ...

HPBC (Hybrid Passivated Back Contact) is LONGi self-developed and named hybrid passivated back contact cell technology. It is a new generation of high-efficiency cell technology featuring no grid lines ...

The new solar panel, developed using Hybrid Interdigitated Back Contact (HIBC) solar cell technology, boasts a conversion efficiency of 27.09%. This surpasses all previous industry ...

The perovskite silicon tandem solar cell, independently developed by Longi, can convert up to 33.9 percent of sunlight into energy, or around 10 percent more than the common market ...

Chinese solar manufacturer Longi unveiled a new PV module with 25.9% efficiency at the 2025 SNEC trade show this week in Shanghai, produced using both low- and high-temperature ...

Chinese solar PV solutions giant Longi has unveiled its Hi-MO X10 anti-dust solar panel at the Jinan International Solar Energy Utilization Conference.

At the heart of this innovation is Longi's proprietary Hybrid Interdigitated Back Contact (HIBC) solar cell technology. In April 2025, this advanced cell architecture achieved a world-record ...

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