



# Solar Photovoltaic Power Generation Longi Technology

How efficient is LONGi Solar?

Since 2021, the company has broken the world for solar cell efficiency 15 times, with the US Department of Energy's National Renewable Energy Laboratory recently confirming Longi had achieved a power conversion efficiency of 33.9% for its perovskite-silicon tandem solar cell, a world record.

What makes Longi a great solar company?

And to achieve this, the Chinese technology company is focused on two key things - innovation and forming partnerships. Founded in 2000 by CEO Li Zhenguo, Longi has steadily grown over two decades to become the world's leading supplier of solar PV products and solutions, with one of every four solar modules in use designed and built by the company.

What is Longi high-efficiency solar module?

LONGi High-efficiency solar Module, widely adopting PERC solar cells technology, Half-cut Module Technology and Bifacial PV technology, Mono Silicon Crystalline Technology has become a leading manufacturer and brand in the export and installation of monocrystalline silicon solar photovoltaic module.

What makes Longi a leader in the PV industry?

As a trailblazer in the PV industry, LONGi has consistently driven technology innovation. From transforming the industry by mainstreaming monocrystalline technology over polysilicon, to pioneering perovskite and BC solar cell research, the company has built an end-to-end R&D ecosystem spanning materials, equipment, and manufacturing processes.

With this breakthrough, the company is leading the way in this technology, potentially revolutionizing the future of PV with the theoretical efficiency limit reaching up to 43%. The ...

Solar PV is now the fastest-growing renewable energy technologies, and among the least costly options for the new electricity generation in many countries, according to the International ...

Chinese solar technology giant Longi Green Energy Technology Co Ltd announced two new world records for solar cell efficiency recently, further cementing China's leading position in the ...

To maximize installed capacity and power generation, the project adopted ground-mounted installation at the optimal tilt angle. This method ensures maximum absorption of solar ...

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 ...

LONGi leads the solar energy revolution with PV technology, delivering high-efficiency modules, solutions, and full-cycle quality assurance.



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On June 12, 2025, at the highly anticipated SNEC 18th (2025) International Photovoltaic Power Generation and Smart Energy Conference & Exhibition, LONGi announced two groundbreaking ...

Back Contact (BC) Solar Technology Development White Paper At the key node of intergenerational transition of global Photovoltaic (PV) technology, the back contact (BC) cell ...

Vertically Integrated Solar PV Value Chain LONGi's technological and manufacturing leadership in solar wafers, cells and modules underscores our commitment to helping accelerate the clean energy ...

It is a new generation of high-efficiency cell technology featuring no grid lines on the front side of the cell. This technology enhances the cell's light absorption and photovoltaic conversion ...

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