



Longi solar panel power generation test





Overview

The Chinese manufacturer claims back-contact Hi-MO 9 modules outperformed TOPCon counterparts in a six-month offshore test, showing higher power yield, better low-light performance, and lower operating temperatures. A new analysis released by the China General Certification Center (CGC) has confirmed the advantages of LONGi's Back Contact (BC) modules in one of the toughest solar testing environments in China. LONGi provides a 12-25-year product warranty and a 25-30-year output warranty. These panels exhibit a lower-than-average annual degradation rate of approximately. LONGi Solar was founded in 2000 and is based in China, but they have offices all over the world with a headquarters in the U.



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[CGC Test: LONGi BC Modules Lead Over TOPCon in Output and Temp](#)

Conducted at the Sanmen mudflat PV test base between February and April 2025, the study compared LONGi's Hi-MO 9, built on HPBC 2.0 technology, with mainstream TOPCon modules.

[LONGi Solar Panels & PV Modules , High-Efficiency Monocrystalline](#)

By offering high-quality, reliable products and systems, we provide holistic solutions for the solar and renewables industry. Backed by advanced technologies, LONGi solar panels feature excellent power ...



Expert Review of LONGi Solar Panels

Our list was compiled based on numerous factors, most notably the financial strength of the company, length of business, and customer reviews. We will break down the types of LONGi solar panels ...

[Daily Power Generation of LONGi Photovoltaic Panels: Key Factors ...](#)

Let's cut to the chase: a standard 585W LONGi photovoltaic panel generates approximately 1.9-2.3 kWh daily under average conditions . But wait, that's just the starting point. Actual outputs can vary ...



[LONGi Solar wins first place in TÜV Rheinland PV Module Outdoor Power](#)

Winning the first place in TÜV Rhein's "PV Module Outdoor Power Generation Test" proves the high quality and reliable performance of LONGi Solar's monocrystalline modules.

LONGi Solar

Practice the concept of "solar for solar" LONGi had initiated carbon reductions with green supply chain in solar industry to facilitate low carbon economic development and realizations of climate goals.



Expert Review of LONGi Solar Panels

What Makes Longi Solar Stand out? What Solar Panel Modules Does Longi offer? How Much Do Longi Solar Panels Cost? How Well Do Longi Solar Panels Perform? How Does Longi Solar's Warranty Stack Up to The Competition? Are Longi Solar Panels Right For You? Because LONGi solar panels use half-cut cells, they perform well in most conditions. Half-cut cell technology allows the panels to essentially operate as two separate panels on the top and bottom, so if one half is shaded or damaged, the other half will be unaffected and continue to supply power. Another



important factor to consider is the temperature. See more on solarreviews powergenadvancement

LONGi Solar wins first place in TÜV Rheinland PV ...

Winning the first place in TÜV Rhein's "PV Module Outdoor Power Generation Test" proves the high quality and reliable performance of LONGi Solar's ...

LONGi Solar panels review 2026

LONGi Solar panels reach up to 25% conversion rate. High efficiency means that they can generate more power per ft² than lower efficiency panels, making them a good choice for homes ...



[Longi reveals back-contact PV test results from offshore environments](#)

Chinese module maker Longi has released the results of a six-month test of its back-contact solar modules deployed in an offshore deep-sea experimental installation.

The World's Leading Supplier of Solar PV Solutions

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 ...



[Welcome to Test 1 of the LONGi Horizon](#)



225W small panel



In this test, we're charging two batteries using identical controllers and measuring real-time voltage, current, and power. Under identical conditions (same irradiation and angle), the results are clear.



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