



Longi's latest photovoltaic panel products

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 Hi-mo 5 solar panels different?

The first and most important feature of the LONGi Hi-MO 5 solar panel series is the technology used to manufacture solar cells. Each solar cell in this series features high-quality P-type monocrystalline silicon wafers doped with gallium, this technology has proven to be cost-efficient, stable, and better for the efficiency of the module.

Does Longi have a hpbc2 solar module?

LONGi Release Hi-MO X10 New Solar Module Based on HPBC2.0 with High Efficiency in Mass Production
PV TIME - On 11 October, LONGi, the PV giant, unveiled its brand new generation Hi-MO X10 solar module at a press event held at the ATP Masters in Shanghai.

What is the warranty on Longi Hi-mo 5 solar panels?

The warranty of the LONGi Hi-MO 5 solar panel series covers the workmanship of the modules for 12 years for the materials and processing during the manufacturing process. This aligns with the average warranty issued for most PV modules in the solar industry.

Why should you choose LONGi Solar modules?

Our solar modules help accelerate the clean energy transition, making the world healthier and more sustainable. LONGi's technological and manufacturing leadership in solar wafers, cells and modules underscores our commitment to helping accelerate the clean energy transition.

How do Longi Hi-mo solar modules protect the backside?

To protect the backside of the solar cell, the LONGi Hi-MO PV module series include a 2 mm anti-reflective superstrate and a 2 mm tempered glass substrate. This way the modules are exposed to solar radiation on the back, but still are protected against external agents.

Hi-MO X10 takes over the core technology of HPBC 2.0 cells, leading in power generation performance, reliability, and customer benefits, which can better meet the needs of distributed customers for products. The Hi-MO X10 includes four series--Explorer, Scientist, Guardian, and Artist, making it the first choice for value of distributed PV.

Researchers at LONGi developed this new technology on standard, industry-grade silicon wafers, making the



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technology almost immediately applicable in the production of solar panels. The improved performance of a cell is significant when compared to previous technologies, demonstrating an absolute leap forward in conversion efficiency of 1.5%.

All but 1.1GW of their solar panel production was exported. This means 217GW of solar China installed in 2023 was mostly met by other manufacturers. If the fact that China barely uses Longi panels is not a cause for concern, as China ...

Top 10 Solar Panels For Your Home. Here is our shortlist of the best quality and most reliable residential-size solar panels available based on company history, performance, warranty, and feedback from solar industry professionals. This list generally applies to most regions with established solar industries, including Australia, North America, Europe, Africa ...

LONGi's technological and manufacturing leadership in solar wafers, cells and modules underscores our commitment to helping accelerate the clean energy transition. By offering high-quality, reliable products and systems, we provide holistic solutions for ...

Photovoltaic panels 600W - Longi Hi-MO 6 Scientist LR5-72HTH 580-600M-V03 DG Longi Hi-MO 6 Scientist LR5-72HTH 580-600M-V03 DG is a high-efficiency photovoltaic panel designed for commercial and utility-scale solar projects. ...

High-Temperature Performance. The power temperature coefficient is the amount of power loss as cell temperature increases. All solar cells and panels are rated using standard test conditions (STC - measured at 25°C) and slowly reduce power output as cell temperature increases. Generally, the cell temperature is 20-35°C higher than the ambient air ...

Also Read: 11 Major Factors Affecting Solar Panel Efficiency Jinko Vs Longi Capacity or Jinko Vs Longi Output. Moving on to Jinko vs Longi capacity, the term solar panel capacity refers to the maximum amount of electricity that the solar panel system can produce under ideal circumstances. This is commonly referred to as rated output or rated capacity, and ...

Cost: Starting from as little as \$107.40 per panel, Longi HiMo4 solar panels are very affordable, with good performance to match the solar panel cost. Performance: Most solar panels priced at the lower end of the market guarantee about 80% power after 25 years, but Longi promises 84.8% power after 25 years.

Hi MO 6 Explorer unique high-efficiency HPBC cell structure sets new standard for PV technology. Solutions. Products. Technology. Service. About LONGi Solutions; Products ... Products; Technology; Service; About LONGi; ... LONGi offers professional consulting services, professional knowledge of PV power plant and charging station solutions, and ...



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LONGi residential solutions, Solar Home system are divided into two categories: standard residential solutions for flat and pitched roofs and custom residential solutions for villas, flat and sloped roof combinations, roofs with skylights, and other more complicated roofing layouts. Our portfolio of high-quality solar modules can be used for a wide range of rooftop types.

LONGi maintains AAA ranking in Q3 2024 PV ModuleTech Bankability Ratings . LONGi has announced the retention of its AAA rating in PV-Tech's Q3 2024 PV ModuleTech bankability ratings, marking the company's 19th consecutive ...

In a nutshell, LONGi Solar panels are a dependable and reasonably priced choice for those seeking solar panels with advanced cells and improved long-term performance. LONGi has recently broken records and introduced new cell ...

Photovoltaic panels 575W - Longi Hi-MO 6 Explorer LR5-72HTH 560-575M-V03 DG The Longi Hi-MO 6 Explorer LR5-72HTH 560-575M-V03 DG is a high-efficiency photovoltaic panel with a power output range of 560-575 watts. It ...

LONGi Bright products are used on buildings to achieve an appealing appearance along with a moderate amount of PV generation capacity, such as industrial roofs and building facades, powering the buildings, reducing their energy ...

LONGi 440w Mono PERC w 144 Half-cut Cells (72 cell equivalent). Silver 35mm frame, white backsheet and MC4 connectors w/ 1400mm cable. LONGi 440W solar panels are among the most powerful PV modules on the market.

The Hi-MO 4 series is one of the few types of solar panel which uses gallium-doped silicon cells which increases the solar panel's resistance to degradation. This means the amount of power the panel will produce will remain higher because of a 0.55% per year degradation rate over a long period, than most other panels which have a typical annual ...

In November 2022, LONGi introduced a new series of panels called Hi-MO 6. These panels use a super-efficient cell technology called Hybrid Passivated Back Contact (HPBC). ... they have panels with different numbers of cells, like 54, 60, 66, 72, and even more. There's a LONGi solar panel for everyone. ... They have a big capacity to make ...

Power: 370W Longi Solar Panels. Finish: A Longi Black Spilt-Cell panel with a white backsheet. Cell Type: Monocrystalline. Number Of Cells: 120 Solar Cells. Maximum Efficiency: 20.3% Module Efficiency. Technology: A high efficient Low LID Mono PERC with Half-cut cell technology. Durability: An enhanced tolerance for mechanical loading. Material: 3.2mm Tempered glass ...



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The new products come with a 15-year product warrant and a 30-year linear power output warranty. The modules are designed for an annual linear degradation rate of 0.35% over 30 years, with the first year capped at 1.0%. According to the manufacturer, these new panels have a 1% higher efficiency compared to their predecessors.

Also Read: Solar Panel Comparison Guide: Jinko vs Longi Longi Solar Panels Vs Canadian Solar Panels Price Range. Longi solar panels are a cost-effective option because, as of January 2022, solar panel costs per watt average \$3.00 fore the federal solar tax credit, a Longi solar system will cost about \$16,800 if you take into account a typical 7 kW solar system.

Based on data simulation, a household with a 5.22 kW solar panel system can save up to 5,500 CNY (approximately 110,000 JPY) in annual electricity costs and reduce CO₂ emissions by about 2.6 tons. Through the cooperation between LONGi and Chopro, families will benefit from reduced electricity bills and enhanced living convenience, while also contributing ...

The LONGi Hi-MO 5 solar panel series is an extremely efficient, high-performing, and durable option available for utility-scale applications. These PV modules feature cutting-edge technology that improves performance, ...

Products. Technology. Service. About LONGi Solutions ... Unique high-efficiency HPBC cell structure sets new standard for PV technology. High-efficiency Cells |Aesthetic Appearance|Outstanding Performance|Market-leading Reliability ... LONGi's pioneering launch of the Hi-MO 6 product family offers more choices to meet diverse global ...

LONGi Solar is one of SolarReviews" top-ranked solar panel manufacturers. LONGi offers 3 types of solar panels for residential use, ranging from 355 W - 425 W. LONGi solar panels cost about \$2.40 per watt, which is lower than the U.S. ...

The race to produce the most efficient solar panel heats up. Until mid-2024, SunPower, now known as Maxisolar, was still in the top spot with the new Maxisolar 7 series. Maxisolar (Sunpower) led the solar industry for over a ...

It does not mean that the solar panel will start having problems after 12 years, the warranty makes the company and the product more credible. With so many other advantages, it is a cherry on top. ... LONGi Solar Panel Price in Pakistan ... Find the latest details regarding Solar Packages in Pakistan. Related Cool Links:

The latest solar panel, based on its HPBC2.0 technology, opens a new chapter in the mass production of 24.8% high-efficiency solar products and continues to lead the reform of the industry. ... LONGi's new modules are available in four versions with power ratings up to 665W, measuring 2,382mm x 1,134mm x 30mm and weighing 33.5kg. With an ...



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30-year full lifecycle linear degradation is 0.05 percentage points lower than conventional N-type products
Power increase 1.5% after 30 years. ... Utility PV power plants. ... LONGi offers professional consulting services, professional knowledge of PV power plant and charging station solutions, and full life cycle O& M capabilities. ...

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 ...

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