



Longi photovoltaic panel core technology

What makes Longi a great solar company?

LONGi supplies more than 30GW of high-efficiency solar wafers and modules worldwide yearly, about a quarter of global market demand. LONGi is recognized as the world's most valuable solar technology company with the highest market value. Innovation and sustainable development are two of LONGi's core values.

What is LONGi Solar Technology?

The breakthrough technology enhances light absorption and module power output, setting a new industry standard. Additionally, LONGi achieves a groundbreaking 33.9% efficiency in crystalline silicon-perovskite tandem cells, solidifying China's position at the forefront of solar innovation.

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.

Is LONGi the world's healthiest solar company?

World's healthiest solar company in financial strength, according to the latest BloombergNEF report. LONGi demonstrates its leadership in the PV industry in energy transformation. LONGi's products fulfilled 15% of new energy installations in the world each year, and is the world's largest supplier of power generation equipment in the PV sector.

What is Longi & how will it impact the PV industry?

LONGi aligns itself with Dr Green's prediction for the technology's trajectory, anticipating the rise of back-contact cells to become the main choice of the PV sector over the coming 5-6 years, redefining the industry landscape with a combination of high efficiency and aesthetics.

What is Longi innovation?

LONGi innovation is continuously raising the bar, setting conversion efficiency world records, and staying on the leading edge of P-type TOPCON, N-type TOPCON, N-type HJT, P-type HJT and other solar technologies.

As a leading solar energy technology company in the world, LONGi believes that photovoltaic technology is a powerful weapon to deal with climate change and plays a key role in achieving the 2030 sustainable development goals of the United Nations. LONGi is committed to becoming an advocate, practitioner and leader of global clean energy sustainable development, and ...

LONGi's high-efficiency PV modules are widely used all over the world, from alpine grasslands to desert wastelands, and from ponds and vegetable beds to household dwellings. LONGi's ultra-high-value PV module



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products continue to benefit customers and local economy with its advantages of "higher power, lower degradation and higher reliability".

LONGi ROOF 4.0 BIPV system integrates photovoltaic power generation system, is a set of structural integrity, in line with the architectural design requirements of high-quality roof metal maintenance system, including purlins, inner panels, thermal insulation cotton, outer panels, photovoltaic power generation layer and other complete roof building nodes, click for details ...

LONGi PV Solutions 2024, LONGi Green Energy Technology Co., Ltd. (hereinafter referred to as "LONGi") released its 2024 Q3 financial report. The report shows that the company achieved a revenue of CNY 58.593 billion in the first three q. Global News. 2024.11.4.

October 23rd, 2024 - LONGi Green Energy Technology (Hereinafter referred to as LONGi) officially announced a new world record for crystalline silicon module efficiency. According to the latest certification report from the Fraunhofer ...

LONGi R& D Centers. LONGi has three R& D centers for wafers, cells, and modules and certified as national enterprise technology centers. We have established strategic partnerships with research institutes such as the University of New South Wales and the State Key Laboratory of Silicon Materials of Zhejiang University to strengthen cooperation and promote technology ...

Technology and Innovation. Adhering to its "3+1" technological innovation concept, encompassing producing, developing, researching and exploring new generation of technologies, LONGi improved its technological innovation system, boosted digital and smart transformation, standardized innovation management operations, strengthened intellectual property ...

Tairay silicon wafers + HPBC 2.0 cell technology Superior performance in low light conditions allows for extended power generation times. ... 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. ...

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LONGi leads the solar PV industry to new heights with product innovations and optimized power-cost ratio with breakthrough monocrystalline technologies. LONGi supplies more than 30GW of ...

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 consumption. Click to learn more about the detail and cases.



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LONGi PV Solar Panel Core Advantages. ... Leading solar technology company LONGi, headquartered in Xi'an, China, announced today that it has released a new module, the Hi-MO 5m 54c. With 54 cells, this new Hi-MO 5m module is designed mainly for residential and C& I rooftop systems, produces a maximum power output of 415W, and achieves an ...

The advantages of half-cell technology. LONGi Solar offers PERC technology modules based on the advanced mono wafer and anti-LID technology. This solution guarantees a power output in the first year of $\geq 98\%$ for PV modules. In addition, LONGi solar uses half-cell technology.

With "Solar for Solar", LONGi officially joined the Global Initiatives RE100, EV100, EP100, and will keep building towards achieving 100% in clean energy consumption. LONGi always had ...

LONGi always stands at the forefront of solar photovoltaic technology, focusing on bringing better and sustainable value innovation to customers. Every time upgrade our technology, we lead the technological transformation of the photovoltaic industry and promote global energy transformation and green development.

LONGi Building-integrated Photovoltaics(BIPV) solution, is a new building form with perfect combination of solar energy and buildings. Products include: LONGi ROOF, LONGi PARK, LONGi BRIGHT, LONGi eHome. Click to learn more about the detail and cases.

Longi Hi-MO 6 Solar Panels. The Hi-MO 6 is an exceptional product family based on efficient HPBC (High Performance and Hybrid Passivated Dual-Junction Cell) technology. This new generation of solar panels redefines the aesthetic concept of photovoltaic modules while offering remarkable performance, reliability, and intelligent optimization ...

A LONGi insiste em tornar o valor do cliente como o núcleo de seu trabalho estando empenhada em criar uma planeta mais verde e habitável para toda a humanidade. Oferecemos soluções para a indústria de energia verde por meio de fornecimento dos produtos de alto valor agregado para tornar sua escolha mais eficiente e o serviço mais conveniente.

Combining PV with agriculture, take agriculture into account while PV power generation to realize intensive and three-dimensional comprehensive utilization of solar energy and land, making agriculture green, high-yield and efficient, and fully developing and ...

LONGi s'engage à fournir des produits et des solutions innovants qui contribuent à faire du monde un endroit plus sain, plus sûr et plus durable. Nous accordons une grande importance à notre rôle dans le monde économique et nous respectons notre obligation de nous conformer aux normes les plus strictes en matière de gouvernance environnementale, sociale et ...

The World's Leading Supplier of Solar PV Panels. Our solar modules help accelerate the clean energy transition, making the world healthier and more sustainable. ... the UN Refugee Agency and LONGi Green



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Technology Co Ltd, a leading global solar technology company, have completed a groundbreaking project to solarize the UNHCR Regional ...

In November 2022, LONGi announced the Hi-MO 6 series of panels made using the new high-efficiency Hybrid Passivated Back Contact (HPBC) cell technology to achieve an impressive panel efficiency of 22.8% in mass production. Traditionally, panels could only reach efficiency levels above 22% using the more common N-type TOPCon or IBC cells. However, ...

The Ministry of Transport issued relevant opinions to study the construction mode and technical specifications of green energy of expressways, formulate technical specifications for roadside PV projects on expressways, and explore the establishment of a green energy full life cycle management mechanism.

LONGi Hi-MO 5: The award-winning PV module by LONGi. The LONGi Hi-MO 5 is one of the most groundbreaking PV modules designed by this company. This solar panel series is manufactured using technological improvements like bifacial, PERC, and half-cut solar cell technology embedded in high-quality monocrystalline silicon (mono c-Si) wafers. To ensure ...

Eco-friendly PV power plants are grid-friendly, environmentally-friendly, and economic benefits-friendly. ... Core Advantages . The value proposition of our solutions runs through the entire power plant life cycle. We are committed to ...

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