



# Longi photovoltaic panel model explanation

What types of solar panels does Longi offer?

LONGi has two main series of solar panels: Hi-MO 4, and Hi-MO 5, which have a variety of different options to suit residential, commercial and utility-scale projects. The Hi-MO 4 series uses gallium-doped silicon cells which improves the solar panels resistance to LID.

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.

How does Longi produce solar panels?

LONGi owns most steps in the vertical supply chain to produce a solar panel including producing ingots, silicon wafers and solar cells. This strategy enables them to keep greater control over the supply and quality of each step of the process.

Is Longi a Tier 1 solar panel?

In September 2022, LONGi announced that they had broken the new world record of conversion efficiency of 26.12% for its p-type silicon heterojunction (HJT) cells. What is a Bloomberg Tier 1 Solar Panel? Bloomberg's infamous tier 1 ranking is NOT a measure of Solar Panel quality in any way.

What bifacial solar panels do Longi offer?

LONGi offers its bifacial solar panels for commercial, industrial and large-scale installations. Hi-MO 5 panels are designed for ultra-large power plants. In its Hi-MO X Series launched in 2019, LONGi also offers All-black, shingled, back-contact modules in the half-cut design and with high output power ratings.

What are Longi panels made of?

LONGi offers half-cut and bifacial monocrystalline panels made with laser-grooved PERC cells. With extra enhancements, LONGi modules achieve up to 20.9% efficiency. LONGi is also a high-power panel pioneer. Most of LONGi panels are rated from 350W to 540W.

For example, the Longi Hi Mo 565 Watt Solar Panel is available for Rs.60,000, while the Longi 535-540 Watt Mono PERC Solar Panel is priced at PKR 50,000. Other sources suggest that the starting price for Longi Solar ...

This expert and comprehensive review of LONGi solar panels by Solarkobo tells Nigerian buyers, readers, users and installers everything they need to know about LONGi Solar panels, their proprietary technologies,



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their ...

Photovoltaic panels 580W - Longi Hi-MO 6 Explorer LR5-72HTD 550-580M-V03 UT Hi-MO 6 Explorer LR5-72HTD is a series of photovoltaic panels with a peak power range of 550-580 watts. They are part of the Hi-MO 6 Explorer series, ...

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, ...

LONGi Launches Hi-MO X10 in Dubai, Captivating a Wide Audience of MEA Solar Industry Leaders. Dubai, November 15, 2024 - LONGi, a global leader in solar technology manufacturing, officially unveiled its next-generation solar ...

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 ...

All black panel with 21.8% efficiency, 25 year product warranty and 25 year linear power output warranty. ... Longi's all black Hi-MO 6 425W improves power generation capacity providing a great power to size ratio and excellent ...

LONGi produces a wide variety of quality, cost-effective solar panels for residential, commercial and utility-scale solar installations. The current models are the Hi-MO 4 and Hi-MO 5 series, with the new advanced Hi-MO 6 ...

The most important solar panel specifications include the short-circuit current, the open-circuit voltage, the output voltage, current, and rated power at 1,000 W/m<sup>2</sup> solar radiation, all ...

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 capabilities through adjustments to the internal ...

Check LONGi Solar 440W datasheet for more information on the properties of the model. Performance Warranty. LONGi 440W panels come with strong warranties. This model provides a 10-year product warranty for materials and processing ...

TLDR: Primarily designed for utility-scale solar projects in its award-winning format, the LONGi Hi-MO 5, available in monofacial and bifacial options, lessens the gap between improved project feasibility and advanced ...



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