



# Longi photovoltaic panels and JA Solar photovoltaic panels

Are LONGi Solar panels a good choice?

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 panels due to be released in early 2023.

What are the different types of LONGi Solar panels?

The current models are the Hi-MO 4 and Hi-MO 5 series, with the new advanced Hi-MO 6 panels due to be released in early 2023. LONGi's Hi-MO 5m panels are designed for residential rooftop solar systems while the larger format Hi-MO 5 panels are for commercial and utility-scale installations.

Who is LONGi Solar?

LONGi Solar is the world's largest manufacturer of solar products, including wafers, cells and panels and was partly responsible for driving the solar industry towards more efficient monocrystalline PERC cells.

How much do LONGi Solar panels cost?

However, a rough calculation shows that Longi solar cells cost about \$2.40 per watt. A strong value in the market for home solar is provided by the majority of Canadian Solar PV systems, which are usually priced between \$2.70 and \$3.20 per watt. Now you know what is beneficial if you compare Longi solar panels vs Canadian solar panels price range.

What is the difference between JA Solar and LONGi Solar panels?

When comparing efficiency and temperature coefficients, both JA Solar and LONGi panels excel, but their performance varies with climate conditions. The JA Solar JAM54D40-440/LB/1500V operates with a maximum power voltage of 32.47V and a maximum power current of 13.55A. It has a temperature coefficient for  $I_{sc}$  of  $+0.046\%/^{\circ}\text{C}$  and for  $V_{oc}$  of  $-0.26\%/^{\circ}\text{C}$ .

What is the temperature coefficient of JA Solar vs Longi?

The temperature coefficient of the open-circuit voltage ( $V_{oc}$ ) is  $-0.26\%/^{\circ}\text{C}$  for JA Solar and  $-0.23\%/^{\circ}\text{C}$  for LONGi. These coefficients indicate how much the panel's output decreases with rising temperatures. Both panels exhibit minimal losses, but LONGi's lower  $V_{oc}$  temperature coefficient suggests better performance in hotter Australian climates.

Another great feature of the Longi 405W 54 CELL Solar Panel is its longevity. Longi guarantee these solar panels will continue to perform at over 84% of their original capacity after 25 years! Longi solar panel performance characteristics ...



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