



# Longi Solar Power Generation System

Is Longi a good solar company?

However, LONGi managed to match the level of Sunpower, which produces the most efficient solar panels on the market today, using a new P-type Hybrid Passivated Back Contact (HPBC) cell design, which is similar to the well-known IBC cell design, the first solar company in the world to do so.

How does LONGi Solar work?

LONGi Solar uses Gallium-doped silicon, which improves panel stability and reduces light-induced degradation (LID) -- or how solar panel efficiency decreases after sunlight exposure. So, LONGi's solar panels suffer less damage and last longer.

How much do LONGi Solar panels cost?

The cost of LONGi Solar panels can vary. Installation difficulty and shipping expenses are two things that can change, making it challenging to pinpoint costs. LONGi solar panels cost an average of \$2.40 to \$2.67 per watt, as of 2023. This price is cheaper than the industry average of \$2.82 per watt, making LONGi panels a cost-effective option.

Does LONGi Solar have a warranty?

LONGi Solar has a much longer power warranty, extending for 25 or 30 years, depending on the solar panel model. The extended power warranty ensures that the panels maintain a guaranteed level of power output over the designated period, aligning with industry standards and offering long-term performance assurance to customers.

How long do LONGi Solar panels last?

So, LONGi's solar panels suffer less damage and last longer. Most panels use Boron-doped P-type silicon wafers, and these degrade faster, with 83% power retention after 25 years. LONGi's solar panels lose only about 2% of their initial power rating in the first year and under 0.55% per year after that.

What is Longi technology?

LONGi technology refreshed three world efficiency records and leads the technological revolution of the industry again. The conversion efficiency of N-type TOPCON is 25.21%, P-type TOPCON is 25.02% and HJT technology is 26.30%. \*Tested by German Hamelin Solar Energy Research Institute (A world recognized Authoritative Institution)

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