



# Polycrystalline photovoltaic panels ranked first

What are polycrystalline solar panels?

Polycrystalline solar panels (or poly panels) are made of individual polycrystalline solar cells. Just like monocrystalline solar cells, polycrystalline solar cells are made from silicon crystals. The difference is that, instead of being extruded as a single pure ingot, the silicon crystal cools and fragments on its own.

Are monocrystalline solar panels better than polycrystalline panels?

Monocrystalline panels are usually more efficient than polycrystalline panels. However, they also usually come at a higher price. When you evaluate solar panels for your photovoltaic (PV) system, you'll encounter two main categories of panels: monocrystalline solar panels (mono) and polycrystalline solar panels (poly).

Are polycrystalline solar panels the cheapest option?

Historically, polycrystalline panels have been the cheapest option for homeowners going solar, without majorly sacrificing panel performance. Low prices allowed polycrystalline panels to make up a significant market share in residential solar installations between 2012 and 2016.

What are the advantages of polycrystalline solar panels?

The advantages of polycrystalline panels include lower cost and less waste. To share feedback or ask a question about this article, send a note to our Reviews Team at [reviews@thisoldhousereviews.com](mailto:reviews@thisoldhousereviews.com). Confused about the difference between monocrystalline vs. polycrystalline solar panels? Read our detailed guide to learn how they compare.

Why are polycrystalline solar panels so expensive?

They're the most expensive type of solar panel due to their complex manufacturing process. What are the advantages of polycrystalline panels? The advantages of polycrystalline panels include lower cost and less waste. To share feedback or ask a question about this article, send a note to our Reviews Team at [reviews@thisoldhousereviews.com](mailto:reviews@thisoldhousereviews.com).

How long do polycrystalline solar panels last?

Polycrystalline solar panels have lower efficiency ratings in the range of 15%-17%. Both panels have a great life span, but mono panels last longer. Mono panels can last 30-40 years with optimal care and maintenance. Poly panels degrade a little faster and typically last 25-35 years with proper upkeep.

Polycrystalline panels, sometimes referred to as "multicrystalline panels", are popular among homeowners looking to install solar panels on a budget. Similar to monocrystalline panels, polycrystalline panels are made of silicon solar cells.



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