

Solar panels monocrystalline and bicrystalline





Overview

Are monocrystalline and polycrystalline solar panels the same?

They're both made from silicon; many solar panel manufacturers produce monocrystalline and polycrystalline panels. Both monocrystalline and polycrystalline solar panels can be good choices for your home, but there are key differences you should understand before making a decision.

What does a polycrystalline solar panel look like?

These panels usually have a blue, speckled appearance. Typical efficiency ratings for polycrystalline panels sit at around 15 to 18 per cent. As a result, more panels and more roof space are needed to achieve the same output as a monocrystalline solar panel system.

What is a polycrystalline solar cell?

Polycrystalline solar cells are also called "multi-crystalline" or many-crystal silicon. Polycrystalline solar panels generally have lower efficiencies than monocrystalline cell options because there are many more crystals in each cell, meaning less freedom for the electrons to move.

How efficient are polycrystalline solar panels?

Typical efficiency ratings for polycrystalline panels sit at around 15 to 18 per cent. As a result, more panels and more roof space are needed to achieve the same output as a monocrystalline solar panel system. For homes with larger roofs, this may not be an issue, but it can be a limiting factor for many UK properties.



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