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Title: What is inside a solar panel

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What are solar panels made of?

Solar panels are usually made from a few key components: silicon, metal, and glass. Most panels on the market are made of monocrystalline, polycrystalline, or thin film (‘amorphous’) silicon. In this article, we'll explain how solar cells are made and what parts are required to manufacture a solar panel.

What are the main components of a solar panel?

Solar panels are made up of several components. The main parts are silicon solar cells, which convert sunlight into electricity using the photovoltaic effect. These cells are soldered together between glass panels and interact with a thin glass wafer sheet to create an electric charge.

What are the parts of a solar panel?

Most panels include solar cells, tempered glass, encapsulant, a backsheet, a metal frame, an inverter, and a junction box. In the sections ahead, we'll walk through each part so you can better understand how solar panels work and why they're built to last for decades.

How are solar panels manufactured?

Solar panels are made by combining six components in a manufacturing process. Silicon, which makes up the semiconductors, is one of the most important materials used. The process creates functioning solar panels from these components.

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