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What is a solar panel





Overview

What are solar panels used for?

Solar panels can be used for a wide variety of applications including remote power systems for cabins, telecommunications equipment, remote sensing, and of course for the production of electricity by residential and commercial solar electric systems. On this page, we will discuss the history, technology, and benefits of solar panels.

What is a solar panel?

A Solar panels (also known as "PV panels") is a device that converts light from the sun, which is composed of particles of energy called "photons", into electricity that can be used to power electrical loads.

How do solar panels work?

Solar panels absorb the photons and in doing so initiate an electric current. The resulting energy generated from photons striking the surface of the solar panel allows electrons to be knocked out of their atomic orbits and released into the electric field generated by the solar cells which then pull these free electrons into a directional current.

Why are solar panels important?

Solar panels are the most important part of a solar power system since they produce the electricity that eventually finds its way to your laptop, lights and television. In this basic introduction, we look at how this happens. How do solar panels work?

Solar panels convert sunlight into electricity through a process called the photovoltaic effect.



What is a solar panel



[Solar panel , Definition & Facts , Britannica](#)

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Solar panel

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