

Specifications of thin film solar panels





Overview

What is the efficiency of thin-film solar panels?

The overall efficiency of this solar power technology is in the range of 6% to 18%. However, there are wide variations in the actual efficiency ranges offered by thin-film solar modules based on the photovoltaic material used. Here is what each type of semiconductor offers:

What is a thin-film solar panel?

Thin-film modules use one of the following four technologies: cadmium telluride (CdTe), amorphous silicon (a-Si), copper indium gallium selenide (CIGS), and organic photovoltaic cells (OPV). They use less material than traditional panels, including toxic materials & their construction makes them highly bendable and less susceptible to cracks.

What material is used for thin-film solar panels?

Cadmium telluride (CdTe) is the most popular material for manufacturers of thin-film solar panels. Using the EnergySage Marketplace, you can choose from various solar panel installers who can work with different types of thin-film and regular panels. What are thin-film solar panels?

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How do I choose the right thin-film solar panels?

There are several factors that you should consider when choosing the right thin-film solar panels for residential, industrial, portable or commercial applications. Space availability: The lower the efficiency of the thin-film solar technology the higher will the space requirement for its application.



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