

# What are solar thin-film modules





## Overview

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What is a thin-film solar cell?

Thin-film solar cell, type of device that is designed to convert light energy into electrical energy (through the photovoltaic effect) and is composed of micron-thick photon-absorbing material layers deposited over a flexible substrate. Learn more about thin-film solar cells in this article.

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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What is a thin film solar panel used for?

It is used in constructing integrated photovoltaic power systems and as a semi-transparent photovoltaic glazing material that can be laminated into windows. Some commercial uses use rigid thin-film solar panels (sandwiched between two glass panes) in some of the world's largest photovoltaic power plants.

What are the different types of thin-film solar panels?

Before comparing the different types of thin-film solar panels against crystalline silicon solar panels (c-Si), it is important to remark that there are two main types, monocrystalline silicon (mono c-Si) and polycrystalline silicon (poly c-Si) solar panels.



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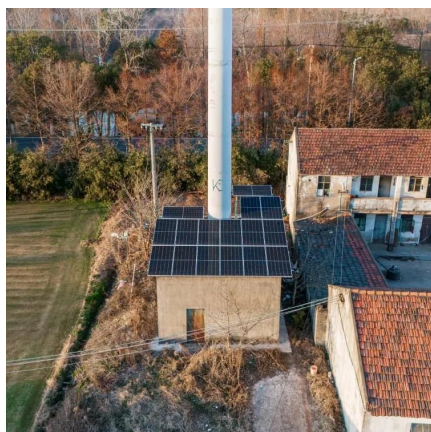


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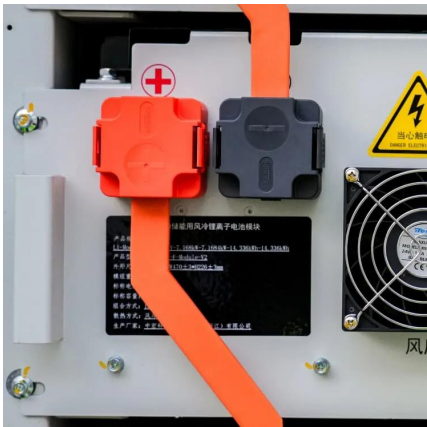
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## Everything You Need To Know About Thin-Film Solar Panels

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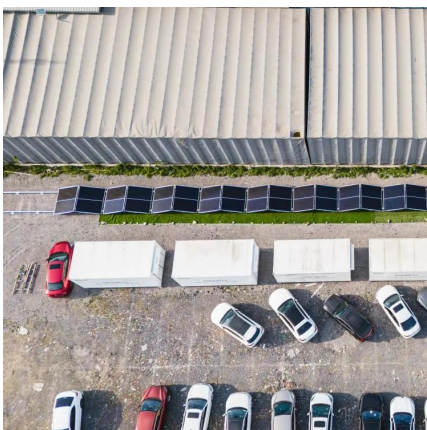


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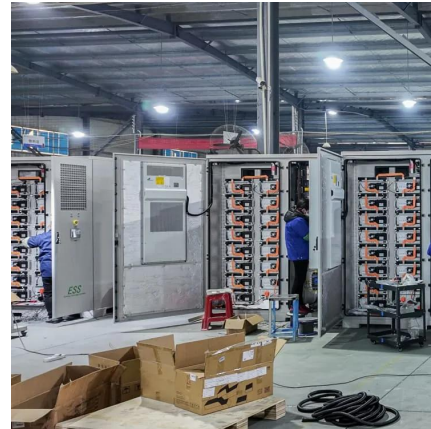
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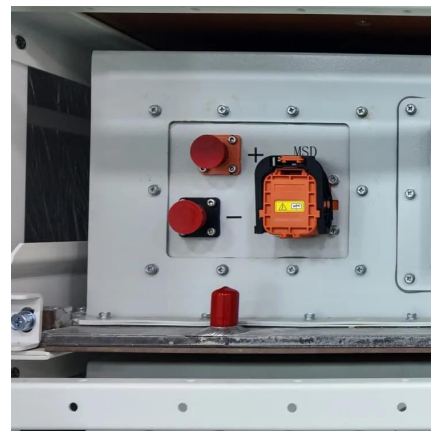


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