



**SolarTech Power Solutions**

# **Unit price of finished thin-film solar modules**



## Overview

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IRENA presents solar photovoltaic module prices for a number of different technologies. Here we use the average yearly price for technologies 'Thin film a-Si/u-Si or Global Price Index (from Q4 2013)'. This data is expressed in US dollars per watt, adjusted for inflation. IRENA (2025); Nemet.

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How much do thin-film solar panels cost?

1. Thin-film solar panels typically range from \$0.50 to \$1.00 per watt, significantly influenced by installation costs and location; 2. The average cost for residential installation can vary between \$5,000 and \$15,000, influenced by system size and local.

Affordable: Lower price than monocrystalline panels. Lasts for years: It lasts for about 25 years. Good Performance in High Temperatures: Perform well in high temperatures. Affordable and versatile Their lightweight facilitates easy shipping. Their flexibility makes it possible to install them on.

We've outlined everything you need to know about the types of thin-film solar panels and average costs to help you learn about the technology involved and whether they're right for you. Expect to pay between \$3,000 and \$9,000 for a

residential thin-film solar panel installation on an average-size.

Thin film solar panels, also called thin film photovoltaic solar panels, are made by depositing one or more layers of photovoltaic material onto a substrate like glass, plastic, or metal. These layers are incredibly slim, around 1 micron (1 $\mu$ m) compared to 300 microns in traditional silicon wafers.

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### Contact Us

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