

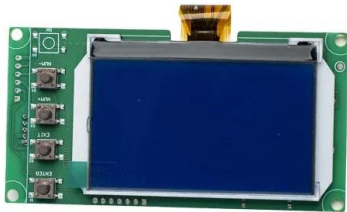
Latest prices for thin-film solar modules



Overview

These panels typically cost around \$0.75 per watt, with total system prices for an average home ranging from \$9,000 to \$15,000, depending on installation needs. While they have a lower efficiency than monocrystalline panels, they perform better in high temperatures and partial. Thin-film solar panels offer a lightweight, flexible alternative to traditional solar options, making them a smart choice for large roofs, commercial spaces, and unconventional surfaces. Our range includes thin-film solar modules from renowned manufacturers such as First Solar and other established brands. The first progress for Copper Indium Gallium Selenide (CIGS) thin-film solar cells was made in 1981 when the Boeing company created a Copper Indium Selenide (CuInSe₂ or CIS) solar cell with a 9. Data source: IRENA (2025); Nemet (2009); Farmer and Lafond (2016) - Learn more about this data Note: Costs are expressed in constant 2024 US\$ per watt. Global estimates are used before 2010; European market. Through detailed survey cross-survey of data from major suppliers and procurement parties, Green Energy Research is able to provide an accurate weekly report on spot prices of key PV components.

Latest prices for thin-film solar modules



[Thin-Film Solar Panels: What You Need to Know](#)

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.

Thin Film Solar Panels

What is a thin-film solar panel and how much would it cost for your home in 2026? Get answers to these questions in this article.



[Thin-Film Solar Panels: An In-Depth Guide . Types, Pros & Cons](#)

While c-Si solar modules hold the largest market share, efficiency for thin-film solar panels is growing and manufacturing processes are becoming cheaper, which could lead to thin-film ...



[Best Thin Film Solar Panel \[Updated: February 2026\]](#)

Top Recommendation: BougeRV Yuma 200W CIGS Flexible Solar Panel. Why We Recommend It: It offers exceptional flexibility, lasting up to 25 years, and maintains stable power ...



[Thin-Film Solar Cells: Definition, Types & Costs](#)

Price-wise, thin-film solar panels are typically less expensive than other types. The price per watt is between \$1 and \$1.50 per watt, while a portable thin-film system ranges from just under ...



[Solar photovoltaic panel prices](#)

Prices are compiled from three sources: Nemet (2009) for 1975-2003, Farmer & Lafond (2016) for 2004-2009, and IRENA for 2010 onward. Due to limited data availability, we use the Global ...

12.8V6Ah

- Nominal voltage (V):12.8
- Nominal capacity (Ah):6
- Rated energy (Wh):76.8
- Maximum charging voltage (V):14.6
- Maximum charging current (A):6
- Floating charge voltage (V):13.6-13.8
- Maximum continuous discharge current (A):10
- Maximum peak discharge current @ 10 seconds (A):20
- Maximum load power (W):100
- Discharge cut-off voltage (V):10.8
- Charging temperature (°C):0-+50
- Discharge temperature (°C):-20-+60
- Working humidity: <95% RH (non condensing)
- Number of cycles (25 °C, 0.5c, 100%doD): >2000
- Cell combination mode: 32700-4s1p
- Terminal specification: T2 (6.3mm)
- Protection grade: IP65
- Overall dimension (mm):90*70*107mm
- Reference weight (kg):0.7
- Certification: un38.3/muds

[Thin Film Solar Panels Cost: An Affordable Investment Towards Clean](#)

Explore the affordable thin film solar panels cost and discover why they are an excellent investment for clean, renewable energy.



[Thin-Film Solar Panels: An In-Depth Guide . Types, Pros & Cons](#)

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[PV Price Trends . TrendForce](#)

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Thin Film Solar Panels

Typically, thin film solar panels operate more efficiently in low-light conditions, but their efficiency in normal light tends to be lower than crystalline panels.

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