

District photovoltaic panel specifications and prices chart



Overview

These benchmarks help measure progress toward goals for reducing solar electricity costs and guide SETO research and development programs.

Average price of solar modules, expressed in US dollars per watt, adjusted for inflation. 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. NLR analyzes the total costs associated with installing photovoltaic (PV) systems for residential rooftop, commercial rooftop, and utility-scale ground-mount systems. NLR's PV cost benchmarking work uses a bottom-up. Each year, the U. Department of Energy (DOE) Solar Energy Technologies Office (SETO) and its national laboratory partners analyze cost data for U. solar photovoltaic (PV) systems to develop cost benchmarks. is between \$15,000 and \$25,000 before incentives. The total price depends. Solar panels can lower your electricity bill by 75% or more, but the upfront investment is significant.

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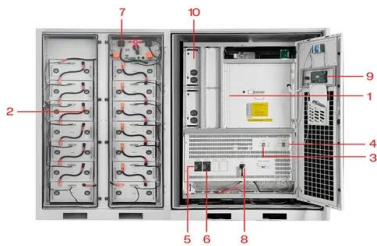
[How Much Do Solar Panels Cost? \(2026\)](#)

Residential solar panel prices vary from state to state. Your estimated installation costs and potential savings depend on the local electricity rates, your household electricity usage, and the ...



[Solar Photovoltaic System Cost Benchmarks](#)

These benchmarks help measure progress toward goals for reducing solar electricity costs and guide SETO research and development programs. Read more to find out how these cost benchmarks are ...



- 1 PCS Module
- 2 Battery room
- 3 Grid side circuit breaker
- 4 Load side circuit breaker
- 5 OPV1 side circuit breaker
- 6 OPV2 side circuit breaker
- 7 High Volt Box
- 8 BAT side circuit breaker
- 9 LCD display screen
- 10 MPPT

[Solar Panel Costs in 2026 : It's Usually Worth It](#)

Solar panels cost about \$21,816 on average when purchased with cash or \$26,004 when purchased with a loan for a 7.2 kW system. While that price tag seems steep, the electricity bill savings you get from ...

[How Much Do Solar Panels Cost in 2026?](#)

Several factors determine your final solar panel price. Understanding these can help you estimate costs and find savings opportunities.



[2026 Solar Panel Costs: Ultimate Guide to Pricing and Savings](#)

Several factors determine your final solar panel price. ...



[2026 Solar Panel Costs: Ultimate Guide to Pricing and Savings](#)

How much do solar panels cost on average? As of 2026, the average cost of residential solar panels in the U.S. is between \$15,000 and \$25,000 before incentives. This typically translates to about \$2.50 ...



[Solar Installed System Cost Analysis , Solar Market Research](#)

NLR analyzes the total costs associated with installing photovoltaic (PV) systems for residential rooftop, commercial rooftop, and utility-scale ground-mount systems.



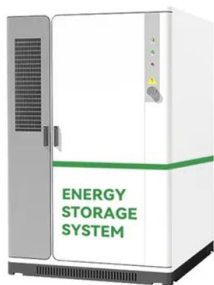
[2026 Solar Panel Prices , Per Watt and by Type](#)

HomeAdvisor's Solar Panel Price Guide gives the average home solar system and panel prices. Explore solar panel pricing per watt or square foot.



[Solar photovoltaic panel prices](#)

Average price of solar modules, expressed in US dollars per watt, adjusted for inflation.



[How Much Do Solar Panels Cost? - Forbes Home](#)

To find the most up-to-date solar panel costs in 2025, we compared research from the U.S. Department of Energy and prices from 54 retailers and manufacturers for popular solar panel



[Solar Installed System Cost Analysis , Solar Market Research](#)

Publications U.S. Solar Photovoltaic System and Energy Storage Cost Benchmarks, With Minimum Sustainable Price Analysis: Q1 2023, NLR Technical Report (2023) U.S. Solar Photovoltaic ...



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