

Solar energy 1 41 usd per watt



Overview

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. 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. These benchmarks help measure progress toward goals for reducing solar electricity costs. The typical home needs a 5-kilowatt (kW) to 10 kW solar system, depending on your electricity usage. See Technical Notes for a discussion of the sample design for the Form EIA-826. In 2024, utility-scale solar power generated 219. 8 terawatt-hours (TWh) in the United States.

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[Solar photovoltaic panel prices](#)

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

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

Compare quotes using "cost per watt." Like price per square foot for homes, this metric (typically \$2 to \$3 per watt) helps you compare solar companies fairly, regardless of system size.



Electric Power Monthly

Energy Information Administration - EIA - Official Energy Statistics from the U.S. Government

[Solar power in the United States](#)

By 2015, solar employment had overtaken oil and gas as well as coal employment in the United States. [8] As of 2023, more than 280,000 Americans were employed in the solar industry. [9] Many states ...



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[Solar Industry Research Data - SEIA](#)

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