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High-end solar panel selling price



Overview

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Solar panels generate "free" electricity, but installing a system still costs money. A typical American household needs a 10-kilowatt (kW) system to adequately power their home, which costs \$28,241 in 2025. That price effectively drops to \$19,873 after considering the full federal solar tax credit.

A strong market exists for wholesale secondary market solar modules, said a report from EnergyBin. EnergyBin, an exchange platform for secondary market solar panels in the United States, released its annual pricing and trends report. The company facilitates direct trading between buyers and sellers.

Today in 2025, we're seeing commercially available panels reaching close to 750W, and early production modules already exceeding 760W, with several manufacturers targeting 800W+ within the next two years. A key factor in this leap forward has been the transition to larger wafer formats, such as M10.

Each year, the U.S. Department of Energy (DOE) Solar Energy Technologies Office (SETO) and its national laboratory partners analyze cost data for U.S. solar photovoltaic (PV) systems to develop cost benchmarks. These benchmarks help measure progress toward goals for reducing solar electricity costs.

Note: Data is expressed in constant 2024 US\$ per watt.

OurWorldinData.org/energy | CC BY 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.

Sources 5 to 14 provide insights into pricing factors, market analysis, and cost trends. 5 mentions installation costs around \$25,000 but notes incentives can lower this. 7 states that solar panels are 60% cheaper than 2010, with prices around \$3.00 per watt. 12 from Photon Brothers expects.

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