

German photovoltaic module prices





Overview

Solar photovoltaic commanded 100% of Germany's solar energy market size in 2024, enabled by module prices as low as 6-13 euro cents per W-p and LCOE near 3.7 euro cents per kWh. How much does a rooftop PV system cost in Germany?

From pv magazine Germany The average system price for rooftop PV systems in German single-family homes with and without battery storage rose by around 10% to €1,557 (\$1,711)/kW in the second quarter of 2023, in comparison with the first quarter of the year. The prices are 21.9% higher than the second quarter of 2022 when they stood at €1,277/kW.

How many PV modules are needed in Germany?

Annual installations of 12–20 GW are required for the construction and increasingly for the ongoing renewal of this plant park, corresponding to approx. 40 million PV modules at a cost of several billion euros. PV production in Germany offers long-term security of supply with high environmental, social, and quality standards.

What is the German solar battery storage price monitoring?

The German Solar Battery Storage Price Monitoring summarizes price data of the most important battery storage market segments. To that end, EuPD Research interviews 80 solar installation companies and summarizes developments in a price index. In addition, the following data is gathered in the German Solar Battery Storage Price Monitoring:

What data is gathered in the German PV price monitoring?

The data stems from interviews with solar installation companies and an evaluation of offers made to end consumers on online portals. The following data is gathered in the German PV Price Monitoring: Split of turn key costs of < 30 kWp rooftop systems in different cost components.

What percentage of electricity is generated by photovoltaics in Germany?



With an electricity generation of 72.6 TWh in 2024, photovoltaics covered nearly 14 per-cent of gross electricity consumption [AGEE] in Germany (Figure 3). All renewable energies (RE) together came to 53 percent. Figure 3: Development of the share of renewable energies in gross electricity consumption in Germany [ISE4], Status 12.03.2025 [AGEE].

Are photovoltaics a good idea in Germany?

Photovoltaics installed in Germany have eliminated this problem and can also ease such situations in neighboring countries such as France, because they fundamentally reduce the load on fossil and nuclear power plants, especially on summer days.



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German Solar Panels Price Guide 2025: What You Need to Know

Like a well-engineered German automobile, solar panel pricing here combines precision engineering with competitive value. As of 2025, entry-level polycrystalline panels start around ...

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Germany's average residential PV prices rose by 10% to ...

According to EUPD Research figures, PV system prices for single-family homes in Germany rose slightly in the second quarter of 2023. Despite falling module prices, analysts ...

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[Market Data , German Solar Association](#)

EuPD Research gathers price data for PV modules and PV systems for BSW Solar on a quarterly basis. The data stems from interviews with solar installation companies and an evaluation of ...

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Photovoltaic (PV) Pricing Trends: Historical, Recent, and ...

The drop in installed system prices has resulted from module and non-module cost reductions, but module costs have declined more quickly,



thus heightening the PV industry's recent emphasis ...

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Prices have begun to fall after a brief stabilization phase - declining by around 5% to 8% across all technology classes in recent weeks. This drop returns prices to levels seen at ...

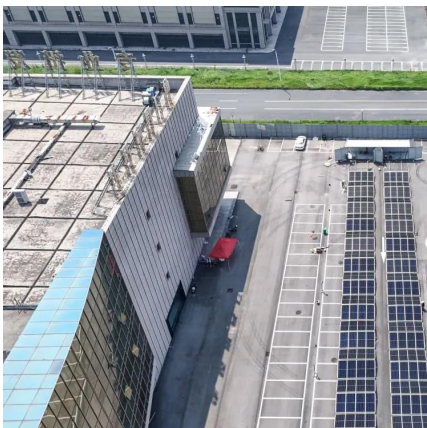
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Germany Solar Energy Market Size, Share & Report Analysis 2030

Solar photovoltaic commanded 100% of Germany's solar energy market size in 2024, enabled by module prices as low as 6-13 euro cents per W-p and LCOE near 3.7 euro ...

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[Recent Facts about Photovoltaics in Germany](#)

The price of the PV modules is only responsible for about one third of the investment costs, and the share is higher for large PV ground-mounted systems (PV FFA) than for small rooftop ...

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