

# **Solar panels and battery prices in Germany**





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### The German PV and Battery Storage Market

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### PRICE INDEX , November 2024

Every month we publish a current price index on the development of wholesale prices of solar modules. In doing so, we differentiate between the main technologies available on the market. Since 2009, pvXchange has provided a unique price index for the european market, which has become an invaluable industry tool.



### Solar with battery in Germany now cheaper than conventional power

Ground-mounted solar PV and onshore wind energy are the most cost-effective technologies among all types of new power plants in Germany, with levelised cost of electricity (LCOE) ranging from EUR 41 (USD 44.75) to EUR 92 per MWh, according to a study by research institute Fraunhofer ISE.

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

The average system price for rooftop PV systems in German single-family homes with and without



battery storage rose by around 10% to EUR1,557 (\$1,711)/kW in the second quarter of 2023, in



## Market Data , German Solar Association

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.

## The German PV and Battery Storage Market

It provides the latest statistics on the PV market and battery storage systems, along with an examination of current funding mechanisms in Germany. From market outlook to anticipated growth in the PV market and the evolving role of battery systems, this study outlines both present state and future prospects.



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## Germany has solar LCOE ranging from EURO.041/kWh to EURO.144/kWh

The levelized cost of energy (LCOE) of solar PV in Germany currently ranges from EURO.041 (\$0.049)/kWh to EURO.144/kWh, according to a new report from the Fraunhofer Institute for Solar Energy



- ✓ 50KW/100KWH
- ✓ HIGHER POWER OUTPUT IN OFF-GRID MODE
- ✓ CONVENIENT OPERATION & MAINTENANCE
- ✓ PRE-WIRED

## Germany Has Too Many Solar Panels, and It's Pushed Energy Prices

Germany has installed more solar capacity than consumer demand requires, SEB Research found. During peak solar production hours, producers have taken a 87% price cut in the past 10 days.

## Germany revises down price ceilings for PV auctions in 2025

2 · Meanwhile, innovation tenders innovation tenders - which combine solar PV and battery energy storage systems (BESS) - will have a price ceiling of EURO.09/kWh (US\$0.0935/kWh), slightly lower



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