

The price of solar modules continues to decline





Overview

High-efficiency mono- or bifacial heterojunction (HJT)/n-type TOPCon or XBC modules with over 23% efficiency saw their prices as of August 12, 2025, decline by 4% month-on-month (MoM) as well as since January 2025, priced at €0.12/W. Prices for mainstream modules with the same configuration but up to 23% efficiency dropped by 4.8% over the same periods to €0.10/W. Full black versions with black frames and backsheets or prints were priced at €0.13/W, representing a 3.7% decline over July 2025, but there was no change compared to the beginning of the year. Why are solar prices going down?

There are several reasons why solar prices are expected to decline:
Technological developments : The solar industry has achieved major strides that have resulted in more productive production techniques and efficient solar panels. These developments have decreased the cost of manufacturing while increasing the energy output of solar panels.

What are the benefits of a decline in solar panel prices?

The decline in solar panel prices brings forth a myriad of benefits. From increased affordability of solar energy to job creation, reduced carbon emissions, and improved air quality, the plummeting prices have propelled the adoption of solar power, paving the way for a sustainable and greener future.
Benefits of the Decline in Solar Panel Prices:.

Why do solar panels cost less?

Lower Manufacturing Costs : considerable improvements in manufacturing techniques have been made in the solar business , which has resulted in a considerable drop in production costs. Solar panel production costs have decreased as a result of technological advancements, economies of scale, and more efficient production methods.

Why have solar shares fallen this year?

Shares of local solar groups have fallen this year as module prices drop. Gross margins at JinkoSolar, for instance, fell to 3.1 per cent in the year to



September, down from 16 per cent in 2024. The outlook remains bleak too.



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