



# Photovoltaic solar panel industry oversupply

Why is the solar PV industry struggling?

Marius Mordal Bakke, a senior supply chain analyst at Rystad Energy, emphasized his concerns about the declining prices of solar PV modules in the market and the challenges associated with destocking older modules, which were procured at higher costs. He underscored the necessity for the industry to adapt to shifting market dynamics.

How has global solar PV manufacturing capacity changed over the last decade?

Global solar PV manufacturing capacity has increasingly moved from Europe, Japan and the United States to China over the last decade. China has invested over USD 50 billion in new PV supply capacity - ten times more than Europe - and created more than 300 000 manufacturing jobs across the solar PV value chain since 2011.

Are solar PV supply chains cost-competitive?

Currently, the cost competitiveness of existing solar PV manufacturing is a key challenge to diversifying supply chains. China is the most cost-competitive location to manufacture all components of the solar PV supply chain. Costs in China are 10% lower than in India, 20% lower than in the United States, and 35% lower than in Europe.

Which photovoltaic companies are expanding production in 2023?

In 2023, prominent photovoltaic companies, including LONGi Solar, JA Solar, Jinko Solar, Trina Solar, and Tongwei, have unveiled their plans for expanding production. The expanded capacity predominantly focuses on N-type production, known for its enhanced photovoltaic conversion efficiency.

Is the photovoltaic industry poised for a transformation in 2023?

According to Zhang Sen, the industry is poised for a transformation due to the recurrent issue of oversupply. In 2023, prominent photovoltaic companies, including LONGi Solar, JA Solar, Jinko Solar, Trina Solar, and Tongwei, have unveiled their plans for expanding production.

Will oversupply depress solar prices?

The world's solar manufacturing capacity is set to remain at more than double annual installations in the coming years, with the dynamics of oversupply continuing to depress panel prices, according to the International Energy Agency. Not registered? Receive daily email alerts, subscriber notes & personalize your experience.

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Stockpiles of solar panels in the EU and US mean supply will continue to outstrip demand for the next few years. ... "Northeast Solar Energy Research Center" by Brookhaven National Laboratory is licensed under CC ...

By contrast, production of polysilicon, the key material for solar PV, is currently a bottleneck in an otherwise oversupplied supply chain. This has led to tight global supplies and a quadrupling of polysilicon prices over the last year. Solar PV ...

BloombergNEF's Solar Analyst Jenny Chase joined Bloomberg's Kriti Gupta to discuss the industry's outlook as it grapples with oversupply issues. (This interview aired March 8, 2024.) (Source ...

Prices in the Chinese cell market were assessed lower week-to-week reflecting buy-sell indications. The FOB China Mono PERC M10 cell and TOPCon M10 cell prices were assessed down 2.64% at \$0.0369 ...

Global solar demand will continue to grow in 2024, with module demand likely to reach 492 GW to 538 GW. Amy Fang, a senior analyst at InfoLink, looks at module demand and supply chain inventories in a market ...

China accounts for 80% of solar module production capacity after years of subsidies, driving oversupply that has triggered a collapse in global prices and provoked import duties from trading ...

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Despite local manufacturing policies in overseas markets, China's expansion will dominate global solar supply chain, and widen the technology and cost gap. After investing over US\$130 billion into the solar ...

The price drops we are experiencing in the solar PV market today is therefore primarily a phase in the solar PV evolution that needs to be understood and managed. 2.2 A reshuffling of the ...



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