

**SolarInnovate Energy Solutions**

# **Photovoltaic solar panels in Western Europe**



## Overview

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Which European countries have the most solar PV markets in 2024?

Spain SolarPower Europe has unveiled the top 10 solar PV markets for 2024, with Spain maintaining a leading position in Europe. In 2023, Spain installed nearly 9 GW of solar capacity, a 5.8 percent increase from 2022, solidifying its status as the second-largest solar market in Europe after Germany.

How big is the European solar PV market?

The European solar PV market is forecasted to expand its installed capacity from 56 GW in 2023 to around 110 GW by 2025, a doubling of capacity within a short timeframe.

Will the EU solar PV market grow in 2025?

The new mid-year solar PV EU market analysis from SolarPower Europe reveals that for 2025, the annual market is expected to contract for the first time since 2015, with a projected -1.4% growth in the most likely scenario. This follows the exceptional annual market expansions in 2022 (+ 47%) and 2023 (+51%), and flattened growth in 2024 (+3.3%).

How has the European solar market changed in 2024?

The European solar market has grown significantly in recent years. In 2024, 65.5 GW of solar capacity was installed across the EU—a new record, though growth slowed to just 4% compared to the impressive 50% increase in 2023 and 2022. <sup>1</sup> This reflects a shift in the market with supply chain constraints and regional saturation impacting growth.

Which countries are leading the global solar PV market?

Globally, the solar PV market is experiencing exponential growth, with worldwide capacity projected to reach 580 GW by 2025. While China dominates in global installations, Europe continues to play a leadership role, fostering innovation and advancing policy frameworks that prioritise

sustainability.

How much solar PV does Europe need?

In order to meet the 2030 target, and deliver the continent's decarbonisation and competitiveness goals, Europe must install nearly 70 GW per year through the rest of the decade. The current trend suggests that Europe will fall short of its goals, hosting 723 GW of solar PV by 2030, compared to the required 750 GW.

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