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Statistical data on the German Solar Heating (Solar Thermal) Market

This data sheet gives an overview of the German solar heating (solar thermal) sector.

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Suggested citation

Unless stated otherwise, please use the following suggested citation: German Solar Association (BSW-Solar) (May 2026): "Statistical data on the German Solar Heating (Solar Thermal) Market", Berlin.

Solar Heating (Solar Thermal) Market in Germany	at the end of 2025 (all figures rounded)
New solar thermal systems installed in 2025 ¹	< 20,000
Cumulative number of installed solar thermal systems ²	Approx. 2.55 million
New gross collector surface distributed in 2025 ¹	Approx. 0.15 million sqm
Cumulative gross collector surface End of 2025 ²	Approx. 21.73 million sqm
New solar thermal capacity installed in 2025 ³	Approx. 98.6 MW (th)
Cumulative solar thermal capacity installed end of 2025 ³	Approx. 14.1 GW (th)
Solar thermal energy produced in 2025 ³	Approx. 9.5 TWh (th)
Greenhouse gas emissions saved in 2025 in CO ₂ equivalents ⁴	Approx. 2.5 million tons

¹ BSW-Solar and BDH, estimate based on own survey, including large solar thermal systems

² BSW-Solar and BDH, estimate based on own survey and after deduction of installations that exceeded expected service life

³ BSW-Solar, estimate; provisionally

⁴ Umweltbundesamt (2026): „Erneuerbare Energien in Deutschland - Daten zur Entwicklung im Jahr 2025“, Dessau-Roßlau, see https://www.umweltbundesamt.de/system/files/medien/479/publikationen/2026-03/UBA_Erneuerbare%20Energien%20in%20Deutschland%202025.pdf