

Slovenia Solar Power System





Overview

Slovenia has significantly expanded its solar capacity with the addition of 85 MW of solar power in the first half of 2025, resulting in a new total of 546 MW. This figure marks a notable increase compared to the 309 MW installed by the end of 2023 and 461 MW at the close of 2024. How much solar power does Slovenia have?

Director Nina Hojnik told pv magazine the total includes 191.5 MW of residential installations, 100.8 MW of commercial and industrial (C&I) projects, and 6.5 MW of utility-scale capacity. Last year's additions fell from 486 MW in 2023, bringing Slovenia's cumulative solar capacity to 1.4 GW.

Does Slovenia have a solar market?

Slovenia's solar market is experiencing significant growth, with 85 MW of new capacity installed in the first half of 2025, according to PV Magazine. This expansion is driven by the increasing adoption of both residential and commercial and industrial (C&I) solar projects.

Why are solar projects growing in Slovenia?

This expansion is driven by the increasing adoption of both residential and commercial and industrial (C&I) solar projects. The cumulative capacity of solar installations in Slovenia now stands at 1.2 GW, according to data from the Energy Agency of Slovenia.

What happened to Slovenia's solar market in 2024?

Slovenia's solar market slowed in 2024, but the residential segment maintained the largest share as it adjusted to the phase-out of net metering and a new electricity tariff system. Slovenia installed 298.8 MW of solar capacity in 2024, according to the Slovenian Photovoltaic Association (Združenje slovenske fotovoltaike).

How much solar power will Slovenia have by 2030?



In its report, issued a month ago, SolarPower Europe estimated that Slovenia could reach 6.2 GW in total solar power capacity by 2030. Of note, a record 55.9 GW was installed in Europe last year, 40% more than in 2022. The boom in photovoltaics is evident throughout the planet.

What does Slovenia's new tariff system mean for solar?

In October 2024, Slovenia introduced a new tariff system that replaced peak and off-peak pricing with network fees that vary by time of day and season. This new system aims to encourage active consumption and is expected to boost investments in hybrid solar solutions.



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A bear wanders through Slovenia's Julian Alps while solar panels quietly charge lithium batteries that'll power nearby villages at night. This isn't a fairy tale - it's 2025's energy reality.

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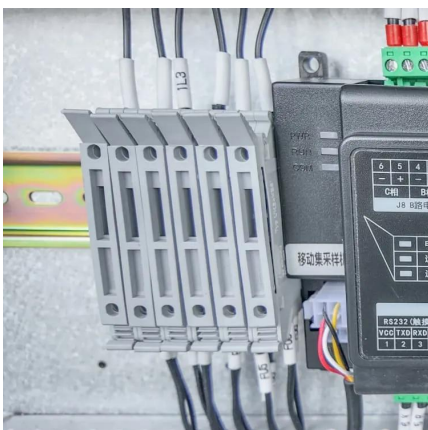
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