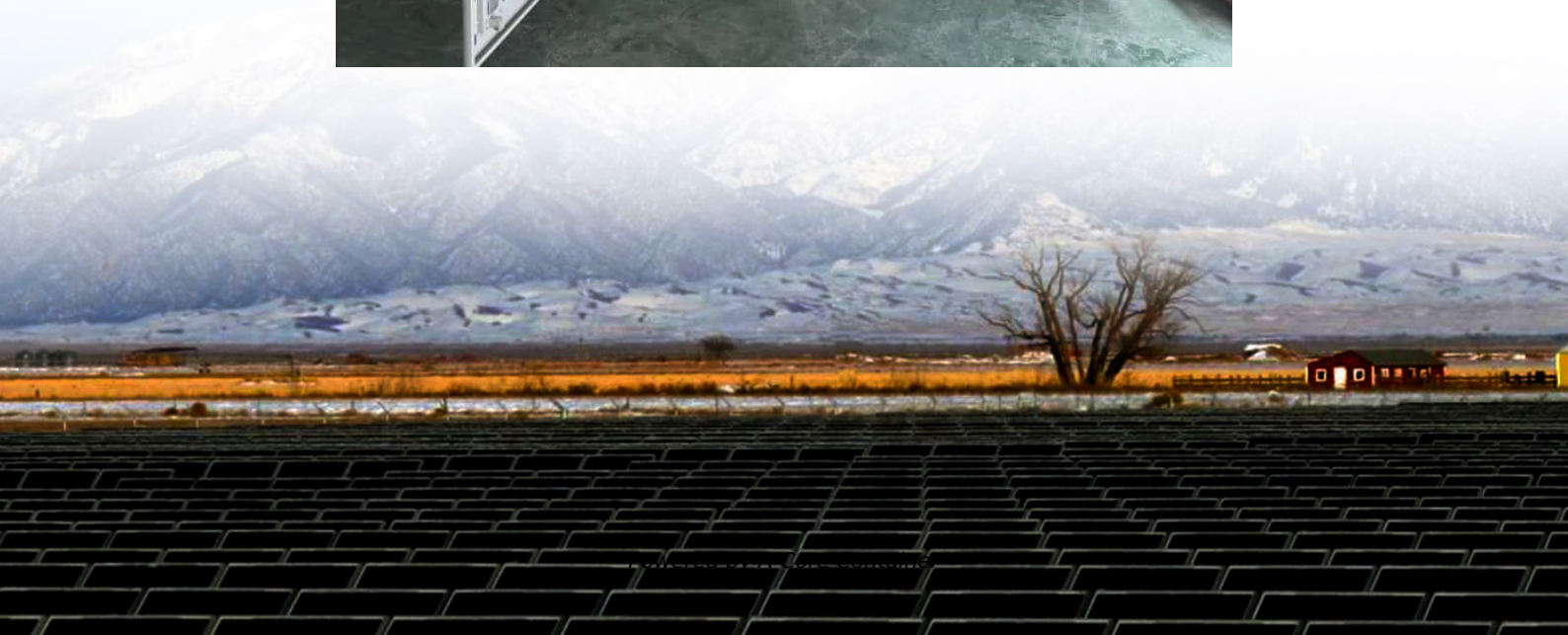


A-Core Container

Slovenia Solar Grid-Connected System



Overview

How many solar power plants are there in Slovenia?

In 2022, 12,698 solar power plants with a total capacity of 227.6 megawatts (MW) were connected to the grid in Slovenia and 18,034 solar power plants with a total capacity of 411.8 MW in 2023. In total, 49,092 solar power plants with a total capacity of 1,104.5 MW were in the system on 31 December 2023.

Does Slovenia have a good electricity grid?

Slovenia has an effective electricity grid and is pursuing opportunities to partner with neighboring countries to build and strengthen natural gas interconnections, as well as opportunities to increase access to and markets in Serbia, Romania, Bulgaria, Greece, Turkey, and the Western Balkans.

How much solar power does Slovenia have in 2024?

Slovenia deployed 298 MW of solar in 2024 and 400 MW of PV in 2023. By the end of the first half of 2025, cumulative capacity reached 1.5 GW. This content is protected by copyright and may not be reused.

How many solar panels did Slovenia install in 2025?

Slovenia installed 85 MW of solar in the first half of 2025, driven by growth in commercial and industrial (C&I) projects and utility-scale installations. The lowest total in four years reflects a sharp decline in residential installations, despite continued subsidies for residential hybrid systems.

Is Slovenia's electricity sector fully vertically integrated?

Despite the whole electricity sector being arguably fully vertically integrated in Slovenia due to the level of state ownership, 1.4.1 there is potential for privatisation and/or further market liberalisation, even with the entry of two new suppliers into the market.

How many solar power plants are there in 2023?

In total, 49,092 solar power plants with a total capacity of 1,104.5 MW were in the system on 31 December 2023. In the last two years, two-thirds of the country's solar power generation installations have been connected to the grid.

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