

Why are new solar PV plants being installed in Slovakia?

Soaring energy prices, new reserved capacities for renewables, and a few incentive schemes, among other factors, are likely to result in new large-scale solar PV plants being deployed in Slovakia, significantly increasing the installed capacity in coming years.

Does Slovakia have a rooftop solar energy potential?

According to the report *Rooftop Photovoltaic Energy Potential in Slovakia (2023)*, drafted for SAPI by Energiewerkstatt, Slovakia has a theoretical (realisable) rooftop PV potential of around 37 GW.

How many MW are there in Slovak solar power?

While the so-called solar boom was not as intensive as in some other Member States, for instance, in Czechia, the Slovak electricity market still experienced a rise of installed PV capacity by over 300 MW in a single year. 573 MW. The past development of solar PV capacities is illustrated in Graph 2 provided below.

Will NECP be able to harvest Slovakia's solar potential?

The current Slovakia's NECP projects a solar PV target of 1,200 MW cumulatively installed in 2030. While the NECP does not specify the character of these capacities, it is to be assumed that both ground-mounted and rooftop PV will play a role in harvesting Slovakia's solar potential.

Hence, this scenario requires a clear action of the Slovak Government and a preparation of an enabling investment environment that would allow for a rise of new solar PV capacities. The aforementioned future development scenarios for solar PV in Slovakia are illustrated in Graph 3 provided below.

A solar collector is currently the most widely used technology for converting solar energy into thermal energy. Here, the heat of the sun is heated on the black surface of the collector, which then heats water and stores it in reservoirs or distributes as necessary.

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Since January 2019 Slovaks can obtain again incentives for the installation of renewable energies systems including solar thermal energy from the EU funded programme Green Homes operated by the state Slovak Innovation and Energy Agency ...

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