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Eastern European solar power generation and energy storage prices



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Overview

(EurActiv, 21 Jun 2024) Europe has clocked a record number of hours of negative power prices this year due to a mismatch between demand and supply as solar power generation soars, potentially helping to shift investment to much needed storage solutions. How many GW of solar power will Europe have in 2023?

The combined annual installation is projected to more than double between 2023 and 2027, from just above 3 GW to close to 7 GW. Both Czech Republic and Romania had previously witnessed annual additions of GW-scale solar capacity during the initial phases of the EU solar boom, occurring in 2010 and 2013, respectively.

How much solar power does Bulgaria have?

Moreover, estimates from the Bulgarian Association for Production, Storage, and Trading of Electricity (APSTE) indicate that Bulgaria has tripled its installed solar capacity since 2020, with a projected annual growth of 450 to 750 MW over the next three to four years.

How much solar capacity does Poland have?

Image: Solar Media. In terms of sheer capacity deployed, the Eastern European solar sector has gone from strength to strength in recent years; market leader Poland has seen its cumulative installed capacity jump from 12.4GW at the end of 2022 to 17GW at the end of 2023, and this has now grown to around 20GW.

How has distributed generation impacted the Romanian PV sector?

The distributed generation segment played a pivotal role in driving impressive developments in the Romanian PV sector. The market is currently undergoing a new boom phase, fuelled by the prevailing security context, the imperative of the green transition, and a favourable permitting framework.

What is the outlook for PV in Romania?

Despite challenges such as regulatory uncertainty, administrative barriers, market fragmentation, and grid integration issues, the outlook for PV in Romania indicates sustained development supported by European funds and the emergence of new business models.

Are solar power figures driving a rapid change in Poland's power sector?

Dr Konrad Wojnarowski, undersecretary of state at the Polish Ministry of Development Funds and Regional Policy, opened this week's Large Scale Solar Central Eastern Europe conference in Warsaw by pointing to these figures, and explaining that they had driven a rapid change in Poland's power sector.

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