

Cost-effectiveness of solar container outdoor power in Eastern Europe





Overview

Are European citizens and businesses choosing low-cost solar to control their energy bills?

The report shows major growth in the solar rooftop segment, indicating that Europe's citizens and businesses have opted for low-cost solar to control their energy bills. Clean, affordable and secure energy for Europe's citizens and businesses is at the core of the European Commission's energy policy.

How much solar power will Europe have in 2022?

Public solar PV targets The updated draft National Energy and Climate Plan (NECP), sent to the European Commission in July 2023, sets a target of 57 GW new PV power capacity in the 2022-2030 period (out of the total 73 GW new renewable power capacity). This would lead to a total solar capacity of 79 GW by the end of the decade.

How big is the Europe solar PV market?

The Europe solar PV market size crossed USD 63.1 billion in 2024 and is set to register at a CAGR of 7.1% from 2025 to 2034, due to the growing focus on green energy and net zero initiatives.

What is the future of solar energy in Europe?

Solar PV and wind energy become the cornerstone of the transformed energy system, with solar PV being crucial for achieving self-sufficiency. By 2050, 5.1 TW of solar and 1.3 TW of onshore and offshore wind capacity will be installed across Europe (see Supplementary Fig. 13), taking up 57% and 36% of the electricity generation, respectively.



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