

ContainerPower Energy Solutions

GW-scale solar projects in Greece



Overview

Does Greece have a plan for rooftop solar PV?

November 2023, Greece submitted its NECP with more ambitious and updated targets for renewables and solar: 23.5 GW for all forms of renewables, from which 13.4 GW came from solar power capacity. However, there is no roadmap or strategy at this time in regards to rooftop solar PV in particular.

How much solar power does Greece have in 2024?

Greece deployed 2.6 GW of solar in 2024, bringing its cumulative installed PV capacity to 9.6 GW by the end of December. Greece installed a record 2.572 GW of PV capacity in 2024, about 1 GW more than the previous year. In 2023, the country added 1.59 GW of PV capacity.

How many solar panels does Greece have?

Greece currently operates around 9.6 GW of PV systems. Renewable progress Green Tank, an Athens-based think tank, said that the country met 50.5% of its electricity needs in 2024 with renewable energy sources, including solar, wind, and large hydro.

Does Greece need a solar power system?

The Greek parliament passed a law in 2024 requiring all renewable energy plants larger than 400 kW to install equipment that allows the distribution grid operator, HEDNO, to remotely control solar project output and adjust electricity injected into the grid.

What impedes solar development in Greece?

Currently, probably the main reason that impedes solar development and that makes administrative procedures long and burdensome in Greece, including rooftop solar, is grid availability. In many areas, applications for solar rooftop PV are being rejected due to lack of electricity grid capacity.

How much PV capacity does Greece have in 2024?

Greece installed a record 2.572 GW of PV capacity in 2024, about 1 GW more than the previous year. In 2023, the country added 1.59 GW of PV capacity. The country connected 1,772 MW of the new capacity to the transmission system and 800 MW to the distribution systems in 2024.

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