

Solar power generation in Chile

Due to its high solar potential, solar power developments will likely grow most in the north. Solar generation is expected to contribute 46% of Chile's electricity in 2060.

Chile installed 1,127 MW of photovoltaic capacity in 2025, bringing its cumulative total to 11,634 MW. While this marks a slowdown compared to the 2.14 GW added in 2022 and 1.65 GW in ...

Specifically, hydropower and solar energy have been significant contributors, making up close to 28% and 24% of total electricity generation, respectively. Wind is also playing a crucial role, contributing ...

Government officials have said they expect solar power will account for 46% of the country's total installed generation capacity by 2060, with most of that solar located in the north of...

Chile is making significant strides in expanding its power generation capacity, with a strong emphasis on renewable energy resources and battery energy storage systems (BESS).

Solar PV accounted for 26% of Chile's total installed power generation capacity and 19% of total power generation in 2023.

Together, these projects represent 10,511 MW of capacity and an estimated investment of \$26.487 billion. Solar energy accounted for 31.1% of Chile's national generation in 2025.

The rapid growth in renewables in Chile has been provided by solar and wind, which currently account for 21% and 12% of generation, respectively. Their share has more than doubled ...

In 2025, Chile installed 1.13 GW of new solar capacity, reaching a cumulative total of 11.63 GW. Solar energy accounted for over 31% of the country's electricity generation.

Chile is developing two types of solar technology: solar photovoltaic (PV) panels and solar thermal energy. There are 44 solar PV projects under evaluation, 86 in the approval process, 318 ...



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