

Is Argentina a good country for solar energy?

There is a measure of agreement that Argentina's solar resource is ideal for photovoltaic (PV) and solar thermal (ST) development, both for large- and small-scale (distributed) installations. The yearly Renewable Energy Country Attractiveness Index published by Ernst and Young places Argentina in the 18th position for PV .

How much solar power does Argentina have in 2023?

Argentina has sharply accelerated the rate of bringing its solar power plants into operation. According to the national electricity operator CAMMESA, the capacity of photovoltaic panels put on stream nationwide went from 33 megawatts (MW) in 2022 to 262 MW in 2023.

Does Argentina have a potential for solar energy utilization?

Conclusions Our work found a large gap between Argentina's potential for solar energy utilization and the current solar energy deployment, despite advantages such as a high solar and land resources.

Where are solar power plants located in Argentina?

More than half of the country's solar power capacity (766 MW) is located in the northwestern provinces of Argentina, including Jujuy, Salta, Tucumán and Catamarca; another 40% (512 MW) is provided by power plants from the Cuyo region, which encompasses the provinces of San Juan, La Rioja, Mendoza and San Luis in the west of the country.

When did solar thermal energy become a key energy source in Argentina?

Solar thermal energy in Argentina was already considered a potential key energy source in 1975, when a national R&D program for the development of solar energy and other renewables was launched, leading to numerous research programs (see next section) and the elaboration of norms and certification criteria for ST collectors .

Is there a gap between solar and solar energy deployment in Argentina?

Author to whom correspondence should be addressed. There is a large gap between the vast solar resources and the magnitude of solar energy deployment in Argentina. In the case of photovoltaics, the country only reached the 1000 GWh electricity generated yearly landmark in 2020.

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Provinces in the central part of Argentina, such as Córdoba, Santa Fe and Entre Ríos (118 MW), are also crucial to the development of the industry. However, despite a fairly ...

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thermal (ST) development, both for large- and small-scale (distributed) installations. The yearly Renewable Energy Country Attractiveness Index published by Ernst and Young places Argentina in the 18th position for PV [ 1 ].

360Energy es una empresa líder en el desarrollo, construcción, montaje y operación de Parques Solares Fotovoltaicos en Argentina. La energía solar es la protagonista de la transición energética. Trabajamos a diario, generando la energía del futuro a partir de una fuente renovable. Brindamos servicios de MATER, IRECs, MEM, EPC, O & M y GH2.

The map displays the resources and energy infrastructure of the region as of 2022. Data is available for mining, electricity generation capacity, natural gas and oil infrastructure, as well as the vulnerability of these ...

Argentina has taken another step towards the future of renewable energy. All thanks to the inauguration of the largest photovoltaic plant in South America. Located in the Puna of Jujuy, the Cauchari plant has been equipped with more than 900 thousand solar panels that will occupy 600 hectares in the town of Susques, about 4200 meters above sea ...

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the proportion of a country's land area in each of these classes and the global distribution of land area across the classes (for comparison).

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Argentina generated roughly 131 TWh of electricity in 2020, sourced 64.65% from fossil fuels (vs. 61.75% in 2019), 18.47% from hydro (vs. 27.25% in 2019), 8.13% from nuclear (vs 6.11% in 2019), 7.18% from wind (vs. 3.85% in 2019), and less than 2% from solar and biomass energy.

Solar Complex 360Energy La Rioja. Ubicado en Nonogasta, departamento de Chilecito, La Rioja, Argentina. Generación anual estimada: 294.637MW/h. Somos energía solar, somos 360E. ...

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Fossil fuels dominate Argentina's electricity mix, making up 59% of its electricity generation in 2023. Its per capita emissions are below the global average. Argentina's largest source of clean electricity is hydro (22%). However, over the last five years, the share of wind and solar has increased, standing at 12% in 2023.

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