Argentina solar industry

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With solar energy generation in Argentina increasing by more than 100-fold in just five years, the country generated approximately 2.19 TWh of solar energy in 2021, up from 16.4 GWh in 2017, representing a 63% increase in solar energy production in Argentina.

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. As a result, the installed capacity of solar generators reached 1,366 MW, with ...

According to the latest monthly report from Cammesa, Argentina"s state-owned electricity market operator, the country reached a cumulative installed PV capacity of 1,366 MW at the end of December...

Argentina has set a target to raise the proportion of wind and solar energy in its electricity generation to 20% by 2025, while also striving to decrease greenhouse gas emissions by 19% by 2030. CSP (concentrated solar power) offers benefits in terms of energy storage and efficiency since it can facilitate energy storage with the help of TES ...

More than half of the country"s solar power capacity (766 MW) is located in the northwestern provinces of Argentina, including Jujuy, Salta, Tucum?n 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. Provinces in the central part of Argentina, such as C?rdoba, Santa Fe and Entre R?os (118 MW), are also crucial to the development of the industry.

However, despite a fairly wide regional coverage, solar generators still play a small role in the country"s energy supply system. According to the Ember research centre, photovoltaic panels accounted for just 2% of Argentina"s power output in 2022, whereas the total share of power plants using coal, gas and fuel oil stood at 66%, the share of nuclear reactors was 5%, and the shares of biomass, wind and hydroelectric power plants made up 2%, 9% and 16%, respectively.

A solar energy plant converts solar energy into thermal or electrical energy. Solar energy is one of the cleanest and most abundant renewable energy sources available today. It offers several applications, including

generating electricity, providing light or a comfortable interior environment, and heating water for domestic, commercial, or industrial purposes.

Argentina"s solar energy market is segmented by type and application. By type, the market is segmented into solar photovoltaic (PV) and solar thermal. By application, the market is segmented into power generation and heating. For each segment, the market size and forecasts have been done based on installed capacity (GW).

The Argentine solar energy market is moderately fragmented. Some of the major companies (in particular order) include Empresa Mendocina De Energ?as A.P.E.M, Canadian Solar, 360 Energy SA, Genneia SA, and Trina Solar Limited.