

Algeria's photovoltaic power generation and energy storage advantages

What is Algeria doing with solar energy?

Building on the Solar 2,000 MW and Solar 1,000 MW programs launched by Algeria's state-owned company Sonelgaz, which include a wide range of solar energy initiatives, the government aims to diversify its revenue streams and reduce reliance on natural gas, which is currently primarily used for power generation in the country.

What energy resources does Algeria have?

Algeria has a diverse significant potential of energy resources either conventional such as oil or natural gas, or renewables such as solar and wind.

What is Algeria's solar power supply chain?

The Algerian solar power supply chain grew significantly in the last decade and now seeks to add IPP development, engineering and design capabilities, EPC services, inverters manufacturing, storage solution manufacturing, universal certification expertise, and operations and maintenance services.

How many MW is a photovoltaic plant in Algeria?

The installed capacity and produced energy from the date of commissioning to June 2017. A new photovoltaic plant of 10MW in Bir Rebaa (Ouargla province) has been inaugurated in November 2018, created as part of a partnership between the Algerian and Italian oil companies Sonatrach and Eni.

Why is electricity consumption increasing in Algeria?

Electricity consumption has been increasing each year due to growth of the energy demand from both industrial and residential sectors, which has reached 76.5TWh in 2018, according to Algerian Ministry of Energy.

How much does solar power cost in Algeria?

Algeria's Hamdi Eurl won two 80 MW plants and domestic PV panel maker Zergoun, alongside Ozgun, secured 80 MW in Guerara. The 19 projects represent an investment of EUR1.8 billion (\$1.96 billion) and the solar power prices proposed by the bidders ranged from EUR0.54/W to EUR0.81/W, with an average price of EUR0.625/W.

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