

PIENAAR ENERGY (PTY) LTD

Armenia Solar Energy Quantity Statistics System



Overview

Solar's share in Armenia's total electricity output in 2024 stood at 10.4%, well above the global share of 6%. Total solar production of 975 gigawatt hours (GWh) is divided nearly equally between utility-scale farms and distributed generation (mostly rooftop). 1 GW, the country's Minister for Territorial Administration and Infrastructure, Davit Khudatyan, has said. The total indicates around 615 MW of solar were added in 2025, when considering the International Renewable Energy Agency (IRENA) reported. Renewable energy resources, including hydro, represented 7%. This remarkable growth highlights the country's commitment to transitioning toward renewable energy sources and reducing dependence on fossil. Solar energy is widely available in Armenia due to its geographical position and is considered a developing industry. Of this distributed generation, 61%. Armenia has very high potential for solar energy (average annual solar energy output per 1 m² of the horizontal surface is 1720 kWh/m² and one-fourth of the country has 1850 kWh/m² of solar energy per year).

Armenia Solar Energy Quantity Statistics System



Energy system transformation - Armenia energy profile - Analysis

Armenia has significant solar energy potential: average annual solar energy flow per square metre of horizontal surface is 1 720 kWh (the European average is 1 000 kWh), and one-quarter of the ...

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Armenia's green energy transition: Solar power capacity set to reach ...

If in 2021 the share of solar energy in the total volume of electricity production in Armenia was 1.2%, then in 2024 it will be ten times more - 11.9%. This remarkable growth highlights the ...



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ENERGY PROFILE Armenia

armonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end apacity x 8,760h/year. Avoided emissions from renewable power is calculated as renewable ...

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Armenian Solar Quantity Statistics System

Armenia Data repository for solar measurements from 4 WB funded stations in Armenia. The four solar measuring stations and the associated measurement campaign have been financed ...



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Solar power in Armenia

Overview Potential Photovoltaics Thermal solar See also External links

Solar energy is widely available in Armenia due to its geographical position and is considered a developing industry. In 2022 less than 2% of Armenia's electricity was generated by solar power. The use of solar energy in Armenia is gradually increasing. In 2019, the European Union announced plans to assist Armenia towards developing its solar power capac...

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Solar Energy

Armenia has very high potential for solar energy (average annual solar energy output per 1 m2 of the horizontal surface is 1720 kWh/m2 and one-fourth of the country has 1850 kW/m2 of solar energy per ...



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Armenia adds around 615 MW of solar in 2025

Armenia adds around 615 MW of solar in 2025 Armenia enjoyed a record year for solar deployment last year, surpassing 1 GW of cumulative solar capacity.

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Solar energy in Armenia reaches 9% of domestic

generation

In January-May 2024, the production volumes of solar power plants in Armenia, including autonomous producers, reached 9% of domestic generation, according to data from the Statistical ...

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