

## SolarTech Power Solutions

# Funding sources for the Armenian wind solar and energy storage project



## Overview

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Who generates electricity in Armenia?

electricity generation. Electrical energy is generated by the Armenian Nuclear Power Plant, Yerevan TPP CJSC, Hrazdan Energy Company, Vorotan HPP Cascade, and Sevan-Hrazdan Cascade, as well as many smaller entities holding licences for the generation of energy through renewable ener.

Is there a solar energy supply in Armenia?

ry energy supply (2019). Nevertheless, it should be noted that over the past three years, international competitions of two large solar stations with a total installed capacity of 255 MW have been successfully held in Armenia.<sup>14</sup>. Please can you give a summary of the key renewable projects in the pipeline.

What percentage of Armenia's energy comes from natural gas?

In 2021, 62 percent of Armenia's total energy supply came from natural gas, followed by oil (16 percent), nuclear (14 percent), and hydro (5 percent), whereas the share of nontraditional renewable energy sources (wind and solar) was only about 1 percent.

What technologies are being developed in Armenia?

technologies in Armenia. Wind and geothermal energy generation is another area of development of renewables, and there are already some projects implemented or in the phase of implementation. At hydro and thermal power plants, the remaining 60% is equally at hydro and thermal power plants. The share of all other stations in the electric power system is.

How much wind power does Armenia have?

A 2003 study by the U.S. Department of Energy's National Renewable Energy Laboratory (NREL) estimated Armenia's land areas with "good-to-excellent" wind resource potential to be around 1,000 km<sup>2</sup>. With a conservative assumption of 5 MW per km<sup>2</sup>, the authors noted that the area could support

almost 5,000 MW of potential installed capacity.

What is the most effective solar energy policy in Armenia?

ase of surplus products. This policy, adopted by the PSRC and supported by the Government of the Republic of Armenia, has been the most effective, due to which the capacity of solar stations, exclusively through private investment, has increased by an average of more than 30 MW per year in the last three years reach

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