

SolarTech Power Solutions

Armenian Home Energy Storage



Overview

Is Armenia developing a battery storage project?

Currently, Armenia is in the initial stages of developing a pilot project on battery storage, with plans for a utility-scale project with an estimated installed storage capacity of 1,200 MWh to be tendered in the coming years.

How has the energy sector changed in Armenia?

Armenia's energy sector has moved from a state of severe crisis in the early 1990s to relative stability today. A combination of policy, legal, regulatory, and institutional reforms have had good results.

How is electricity generated in Armenia?

Armenia has sufficient electricity-generating capacity to meet current domestic needs, but electricity demand is projected to grow by up to three percent annually. Electricity in Armenia is generated primarily by the Armenian Nuclear Power Plant (ANPP), hydroelectric plants, and thermal plants.

How much solar power does Armenia have?

Newly tendered solar deals comprise 210 MW of capacity. The government expects solar PV capacity to reach 100 MW by 2024 and 1,000 MW by 2030. According to the MTAI, which oversees the energy sector, wind energy potential in Armenia is approximately 450 MW.

Can Armenia reduce its reliance on energy imports?

Additionally, a second gas pipeline from Iran provides another import route, primarily utilized through a barter agreement where Armenia exchanges electricity for natural gas, only partially using the imported volumes for domestic consumption. Presently, Armenia is actively seeking ways to diminish its reliance on energy imports.

Does Armenia have energy resources?

Armenia has limited energy resources and can meet only a fraction of the total demand for energy from domestic resources. Armenia does not have oil or natural gas reserves and is thus highly dependent on imported energy resources. It imports oil and petroleum products from Russia, Georgia, Iran, and Europe.

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