

## SolarTech Power Solutions

# Azerbaijan s new energy storage



## Overview

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Azerbaijan is building a 250-megawatt energy storage system, which will be integrated into the grid by 2027, Elchin Targuluyev, a solar and wind energy specialist at SOCAR Green, said at the Azerbaijan & Central Asia Green Energy Week 2025, Report informs. Does Azerbaijan need a battery energy storage system?

The efficient operation of renewable energy facilities, with their inherently intermittent power flows, is impossible without implementing a Battery Energy Storage System (BESS) in Azerbaijan.

Will Azerbaijan develop its first industrial-scale battery energy storage system?

He also highlighted that efforts are ongoing to select a company to develop Azerbaijan's first industrial-scale Battery Energy Storage System (BESS). In September of this year, Azerenergy announced a new tender for the development of a 250 MW Battery Energy Storage System (BESS) project, slated for completion by 2027.

Is China a key partner in Azerbaijan's adoption of battery energy storage systems?

China is poised to become a key partner in Azerbaijan's adoption of Battery Energy Storage Systems (BESS) and other advanced energy technologies. During COP29, Azerbaijan's Ministry of Energy signed a Memorandum of Understanding with China Southern Power Grid International (Hong Kong) Co., Ltd and Powerchina Huadong Engineering Corporation Limited.

Are solar energy trends relevant for Azerbaijan?

These trends are highly relevant for Azerbaijan, and during the COP29 climate conference, the Baku International Sea Trade Port (BISTP) and Malaysia's Tiza Green Energy (a subsidiary of Citaglobal) launched the country's first project integrating solar energy with a Battery Energy Storage System (BESS).

How can Azerbaijan increase the share of renewables in electricity production?

The government of Azerbaijan aims to increase share of renewables in total electricity production to 30% by 2030. To accelerate investments and production in renewable energy, Azerbaijan is offering the following tax incentives : Azerbaijan's renewable energy sources are hydropower, wind, solar, and biomass power plants.

How much energy does Azerbaijan have?

According to the Ministry of Energy, by the end of last year, Azerbaijan's renewable energy capacity was estimated at around 1,700 MW, accounting for 20% of the country's total power generation.

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