

## **SolarTech Power Solutions**

# **Moldova power generation energy storage and frequency regulation**



## Overview

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The new version of the Electricity Law significantly modernizes the national legal framework in line with the EU acquis and introduces a series of regulations aimed at boosting competition, launching the electricity market and integrating it with that of the European Union, promoting the installation of energy storage systems, the electrification of the economy, and enabling greater consumer participation in the energy market. How important is Moldova's cross-border power system?

Geographically positioned between Romania and Ukraine, the cross-border power system of the Republic of Moldova is critical for regional energy security and regional integration with the European and Moldova-Ukraine energy markets.

Will Moldova's electricity market be integrated into the European market?

Its adoption will support the greater integration of Moldova's electricity market into the European market. As the author of the draft law, the Ministry of Energy has proposed several specific objectives aimed at supporting the development of energy infrastructure and promoting competition in the electricity market:.

How has Moldova restructured its electricity distribution network?

As part of the reforms, Moldova restructured and partially privatized its electricity distribution network, including Premier Energy, a private company that controls 70 percent of the country's electric distribution grid.

Does Moldova have a new energy policy?

Moldova has committed to implement reforms embedded within the European Union's Third Energy Package, a suite of legislation adopted in 2009 aimed at creating integrated and competitive energy markets for natural gas and electricity.

How much electricity does Moldova produce?

The country produces only about 20 percent of its annual electricity consumption from natural gas-fired combined heat and electricity power plants. Moldova has one hydropower plant, the Costesti Hydropower Plant. Moldavskaya GRES (MGRES) in the separatist region of Transnistria supplies the vast majority of the remaining 80 percent of electricity.

What is Moldova's energy package?

This package has been mandatory for transposition into Moldovan legislation since 2022, as part of Moldova's commitments as a contracting party to the Energy Community Treaty. Its adoption will support the greater integration of Moldova's electricity market into the European market.

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