

Uzbekistan residential solar

IEA (2022), Solar Energy Policy in Uzbekistan: A Roadmap, IEA, Paris <https://>, Licence: CC BY 4.0

This section explores barriers that could hamper the deployment of solar energy technologies in Uzbekistan by taking a look at its current solar policy. The section discusses Uzbekistan's situation from the following perspectives, drawing on the approaches developed by Solar Energy: Mapping the Road Ahead (IEA and ISA, 2019):

Adequate resource information could help to determine the appropriate solar technologies based on the local conditions. Moreover, a high-quality workforce could promote growth in the renewable energy sector. Internationally harmonised standards could make timely project development possible.

Inadequate resource information

Lack of information on technology readiness and applicability

Shortage of qualified workforce

Information asymmetry/shortage

The Presidential Decree on Measures for the Development of Renewable and Hydrogen Energy, approved in April 2021, calls for the establishment of a the National Renewable Energy Research Institute under the Ministry of Energy. One of its main objectives is to train a highly qualified workforce in the fields of renewable and hydrogen energy. Moreover, to create an educational base for renewable energy, a new Master of Science curriculum on renewable energy sources and sustainable environment will be developed, compatible with European standards, in six Uzbek universities in the framework of the RENES project (RENES, 2020).

In terms of technology standardisation, the State Committee for Standardization, the Academy of Sciences and the Ministry of Energy are carrying out a basic study on the renewable energy standards of the International Electrotechnical Commission and the International Organization for Standardization. They have been drafting a list of standards required for adaptation.

Although the cost of renewable energy has been rapidly decreasing over the decades, government policy and regulations still play a critical role in attracting private investment and ensuring an appropriate energy market.

Policy and regulatory framework



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Land availability/building access for installation

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