

SolarTech Power Solutions

Tajikistan solar energy measurement and control system



Overview

At present, as the demand for electricity increases in all sectors, there is an urgent need to introduce alternative renewable energy sources into modern energy systems. Renewable energy sources, whi.

Does Tajikistan have a solar potential?

Assessment of the solar potential of the regions of Tajikistan proves the feasibility of using this potential as suitable resource for the development of energy, complementing hydrogeneration. Tajikistan is located in the northernmost part of the subtropical zone of Central Asia.

Why is solar energy important in Tajikistan?

The solar radiation potential of the Tajikistan's regions indicates that is quite ideal resource for the development of the solar energy industry because the days here are sunny and long having high intensity of solar radiations. The country's solar potential will allow the addition of hydropower generation.

What is the solar energy potential of Tajikistan?

The climate of Tajikistan is very favorable for the use of solar energy, with an average of 280-330 sunny days per year. The total solar radiation intensity varies during the year between 280 and 925 MJ/m² in the foothills, and between 360 and 1120 MJ/m² in the highlands. Tajikistan does not have specified solar energy reserves mentioned in the provided text. The text only mentions their coal reserves.

Is solar energy a viable alternative energy source in Tajikistan?

Research results are yielded proving the great potential of renewable and alternative energy sources of the Republic of Tajikistan, including solar energy, equal to 25 billion kW h per year. The limited use of "green energy" will impose to periodic blackouts of electric consumers in the autumn-winter period.

Is Tajikistan a renewable country?

Tajikistan possesses a huge renewable and alternative potential including solar energy which is estimated to be equal to 25 billion kW h/year, and the hydroelectric potential of the country is equal to 53% of Central Asia's total recourses.

What is the climate like in Tajikistan?

Tajikistan is located in the northernmost part of the subtropical zone of Central Asia. Much of its climate is characterized by intense solar radiation, low cloud cover and dry air, wherewith solar radiation is a significant factor determining the country's characteristic climate.

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The energy sector of the Republic of Tajikistan

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Tajikistan

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Solar power prospect in Tajikistan - TAJHYDRO

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