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Bhutan lithium energy storage power production



Overview

What is Bhutan's energy supply?

Bhutan's energy supply primarily relies on electricity, fuel-wood, coal, and diesel. Electricity is the largest contributor, with a shift towards increased usage over the years. Fuel-wood usage has decreased, while bio-gas, solar energy, and limited-scale wind energy have gained traction as alternative sources.

How much solar power does Bhutan have?

According to the Renewable Energy Resource Assessment 2015, Bhutan has a theoretical potential of 3,706,328 MW for solar photovoltaic power generation based on solar irradiance.

Who collected the data on electricity consumption in Bhutan?

Industry Sector: Primary data was collected from 47 industrial units. The Survey collected data on fuel usage including coal, petroleum, and other fuels. However, the electricity consumption data was sourced from the Bhutan Power Corporation Limited (BPC) and the DoE.

What is the thermal energy consumption in Bhutan?

Thermal energy consumption in the Industry is dominated by coal, which is a vital input for many industries in Bhutan. However, liquid fuels such as diesel, kerosene oil, and furnace oil account for less than 6 percent of the industry's thermal energy mix.

How much electricity does Bhutan use in 2022?

During the year 2022, BPC serviced 232,465 customers, an increase of 4.7 percent from the previous year (BPC, 2023). The Building Sector in Bhutan consumed a total of 502.44 GWh of electricity in 2022, accounting for 14.5 percent of the country's total electricity consumption (3,465.95 GWh).

Which sectors are consuming more energy in Bhutan?

It is encouraging to see that the Building Sector's energy consumption decreased, while the Industry Sector's energy consumption grew, and the Transport Sector's energy consumption declined. The Bhutan Energy Data Directory is a valuable resource for policymakers, researchers, and anyone interested in the energy sector of Bhutan.

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