

Bhutan is focusing on solar and new energy storage

What is Bhutan's energy policy?

According to the National Energy Policy released in June 2025, Bhutan aims to expand its total installed capacity to 25 GW by 2040 -- 20 GW from hydropower and 5 GW from solar and wind. This strategy focuses on balancing export-oriented hydro projects with localised renewable generation to ensure year-round energy security.

What is Bhutan's energy security & sustainable growth policy?

Titled "Empowering Energy Security & Sustainable Growth," the policy consolidates and supersedes several prior frameworks, including the Bhutan Sustainable Hydropower Development Policy 2021, Alternative Renewable Energy Policy 2013, Domestic Electricity Tariff Policy 2016, and National Energy Efficiency & Conservation Policy 2019.

What is Bhutan's national energy policy 2025?

Bhutan's National Energy Policy 2025 (NEP 2025), released in June 2025 by the Ministry of Energy and Natural Resources (MoENR), represents a pivotal shift in the country's energy strategy.

How will Bhutan achieve its 2040 goal?

Together with local solar projects like the 22.38 MW Sephu plant, these developments will help Bhutan reach its 2040 goal of 25 GW installed capacity and strengthen its standing as a carbon-negative green energy leader. 24th November 2025

Therefore, despite of minimal literatures on solar energy assessment in Bhutan, and owing to only few existing literatures focusing on hydro resources outlook of Bhutan in [9, 10], this proposed ...

As Bhutan accelerates its transition to renewable energy, photovoltaic (PV) systems paired with energy storage are emerging as game-changers. This article explores how solar energy storage solutions ...

Bhutan is entering a new era of clean energy with major commitments from Adani, Reliance, and Tata to develop large-scale hydro and solar projects across the kingdom. The ...

Bhutan's Druk Green Power Corporation and India's Carbon Resources Private Limited have agreed to collaborate on new solar and hydropower projects in Bhutan with capacities between ...

To address these challenges, the NEP 2025 sets a bold new direction for Bhutan's energy sector, focusing on diversification, modernization and sustainability. The policy aims to strengthen ...

Private investors eyeing solar energy have three prime destinations: Bumthang, Wangdue, and Trongsa. Together, these dzongkhags hold the highest potential--2,099 megawatts ...

Explore Bhutan's transformative National Energy Policy 2025 (approved June 2025): how it consolidates



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previous energy frameworks into one cohesive NEP, opens hydropower and solar to ...

Initiatives such as solar-powered irrigation, cold storage, milling, and food-processing facilities aim to strengthen agricultural value chains, reduce post-harvest losses, and generate new income streams ...

The National Energy Policy 2025 introduces a comprehensive strategy for Bhutan to diversify its energy mix beyond hydropower in response to rising domestic demand, and the need for ...

Bhutan unveils its National Solar Energy Roadmap, leveraging solar plants and renewable energy to bolster energy security and achieve self-sufficiency by 2025.

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