

Bhutan develops solar and new energy storage





Overview

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.

What is the main energy source in Bhutan?

On-grid hydropower is the country's main energy source. Bhutan operates four major hydroelectric facilities, several small and mini hydroelectric generators, and has a handful of further sites in development. Many of the small and mini hydropower plants in Bhutan serve remote villages that remain disconnected from the power grid.

What will Bhutan's NEP 2025 entail?

With Bhutan's techno-economically viable hydropower potential at 23,000 MW (from 90 sites outside ecological parks), solar at 12,000 MW, wind at 800 MW, and biomass at 2,700 GWh annually, the NEP 2025 sets ambitious targets: 25,000 MW total generation capacity by 2040, including 15,000 MW hydropower and 5,000 MW solar.



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National Energy Policy 2025

The policy aims to strengthen hydropower while accelerating solar and other renewable resources, improving energy efficiency and enhancing grid flexibility through ...

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[Bhutan tenders 120 MW solar project - pv magazine India](#)

According to figures from the International Renewable Energy Agency (IRENA), Bhutan deployed 3 MW of solar by the end of 2024, up from 1 MW at the end of 2023. The ...

[Bhutan's Biggest Solar Project Yet: A Giant ...](#)

As Bhutan's glaciers melt and hydropower becomes increasingly vulnerable to climate change, the Kingdom is turning its face toward the sun--literally. With rising temperatures and erratic rainfall threatening its energy lifeline, ...

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Assessment of solar energy generation potential in Western Bhutan ...

To address the growing electricity demand in the country, solar energy can be a diversification of Bhutan's renewable energy to address domestic energy security and global ...

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Bhutan's Biggest Solar Project Yet: A Giant Leap Toward Energy ...

As Bhutan's glaciers melt and hydropower becomes increasingly vulnerable to climate change, the Kingdom is turning its face toward the sun--literally. With rising temperatures and erratic ...

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Bhutan's biggest solar project finally powers up

Punakha--After months of delays caused by incessant rain and prolonged monsoon, Phase II of Bhutan's first utility-scale solar power plant in Yongtru, Sephu Gewog, is finally ...

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Reliance Power to Build Bhutan's Largest Solar Project

Reliance Power has signed an agreement with Bhutan's Green Digital Private Limited to build the country's biggest solar plant. The project will generate 500 MW of ...

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[Bhutan's Solar Energy Roadmap: A Path to ...](#)

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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Reliance Power has signed an agreement with Bhutan's Green Digital Private Limited to build the country's biggest solar plant. The project will generate 500 MW of electricity and will help Bhutan grow its ...

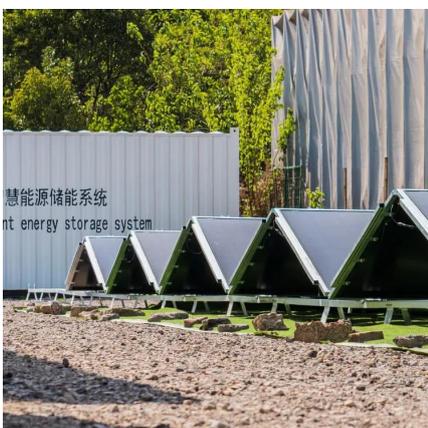
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Bhutan Accelerates Solar Energy Drive With National Roadmap - BHUTAN ...

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 ...

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DGPC Ignites Bhutan's Solar Revolution with New Chapter in Renewable Energy

The Distributed Solar for Public Infrastructure Project (DSPIP)--DGPC's first-ever solar photovoltaic (PV) venture--was inaugurated on November 15, 2025, at the Bhutan ...

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A Comprehensive Review of Bhutan's National Energy Policy ...

Explore Bhutan's transformative National Energy Policy 2025 (approved June 2025): how it consolidates previous energy frameworks into one cohesive NEP, opens ...

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