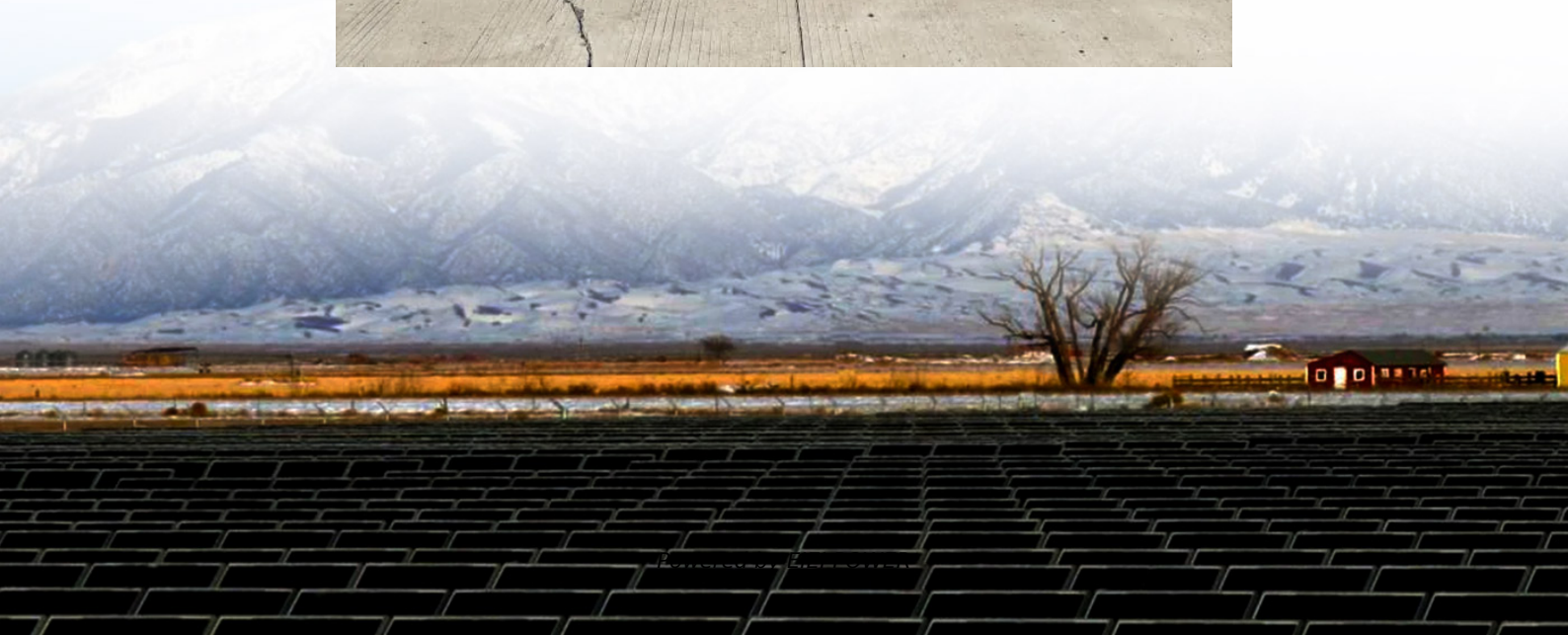


# **Bhutan s solar energy storage policy**





## Overview

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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.

Why do we need a renewable base in Bhutan?

Recently, the need to expand renewable base in Bhutan's energy system has felt strongly, firstly to diversify the energy sources for enhancing energy security, and secondly, because of an unequivocal consensus from the global climate scientists about the potential threat on the energy resources, particularly hydropower due to climate change.

Why is energy security important in Bhutan?

Energy security is at the heart of the energy policy. Achieving energy security, however, is difficult as energy sector faces challenges due to resource depletion and climate change. It is becoming a key concern for Bhutan due to perpetual demand growth including climate change presenting formidable challenge.

What drives Bhutan's energy policy?

Examining from energy security perspective, Bhutan's energy policies seem to be driven by natural resource endowments, rather than national strategy. Hydropower is accorded with highest national priority due to availability of huge hydropower potential favored by rugged geographical terrain, and considering that the resource is clean.



## Bhutan s solar energy storage policy



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

A core feature of Bhutan's strategy is linking solar energy to community development. Initiatives such as solar-powered irrigation, cold storage, milling, and food-processing facilities aim to ...

### Analysis of Bhutan's energy policies in relation to energy ...

Nov 1, 2022 · Secondly, the Department of Renewable Energy (DRE) is responsible for development of alternative renewable energy sources (ARES) such as solar, wind, small hydro ...



### Bhutan - Solar Power

4 days ago · Introduction and Background: Bhutan, a carbon-negative country, faces a growing threat to its environment due to climate change. ...

### Diversifying energy sources beyond hydropower under new energy policy

Aug 9, 2025 · 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 ...



### [Renewable Energy Sector grows in 2024 - Business Bhutan](#)

Jan 1, 2025 · The government encouraged research into advanced solar technologies, including battery storage solutions and solar thermal systems, to optimize energy use and improve ...

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

Sep 17, 2025 · Bhutan unveils its National Solar Energy Roadmap, leveraging solar plants and renewable energy to bolster energy security and achieve self-sufficiency by 2025.



### [National Energy Policy 2025](#)

Jul 30, 2025 · The policy targets 25,000MW of installed capacity by 2040 - 20,000 MW of hydropower and 5000 MW solar, to enable Bhutan's ambition of becoming a "High-income ...



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

Sep 17, 2025 · Bhutan unveils its National Solar Energy Roadmap, leveraging solar plants and renewable energy to bolster energy security ...



## **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 ...

## [New national energy policy charts bold path ...](#)

Jul 10, 2025 · The new National Energy Policy (NEP) 2025 marks a strategic shift in how the country will manage its energy future. While continuing to ...



## [Long-Term Energy Scenarios \(LTES\) for developing](#)

Working groups and technical committees instituted under the directives of the Bhutan Power System Coordination Committee to assess emerging energy security threats at national level.



## Bhutan - Solar Power

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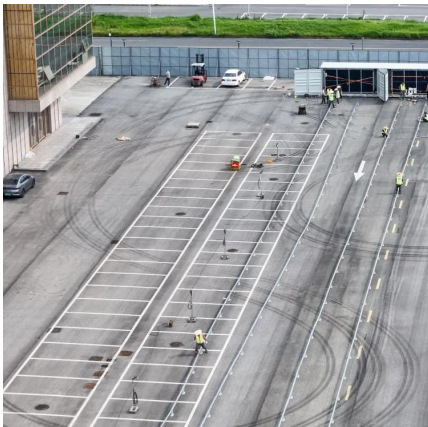


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Nov 1, 2022 · Recognizing the criticality of the energy security and vulnerability of the energy sector due to climate change, the paper analyzed Bhutan's existing energy policies from ...



## Bhutan's Future in Sustainable Energy , Empowering Green ...

To address this issue, the government is exploring diversified energy strategies, including solar and wind energy projects, to complement hydropower and ensure year-round energy security. ...



### [Harnessing Bhutan's solar potential with market-driven ...](#)

May 12, 2025 · Nearly all of Bhutan's electricity comes from its glacier-fed hydropower plants. In a first major step towards diversifying its energy mix, the Himalayan Kingdom initiated a 180-kW ...

## Reliance Power lines up 4 GW solar and 6.5 GWh battery storage ...

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### [New national energy policy charts bold path to 2040](#)

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## [Bhutan Solar Energy and Battery Storage Market \(2025-2031\)](#)

6Wresearch actively monitors the Bhutan Solar Energy and Battery Storage Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue ...



## [International Solar Alliance to help boost Bhutan's Solar](#)

Bhutan has been actively engaged with the ISA, alongside other ISA partner/donor organisations, to foster collaboration under various ISA programmes. Bhutan's active engagement with ...

## [2nd Nationally Determined Contribution from Bhutan](#)

Jun 2, 2022 · These energy storage and diversification measures for adaptation also contribute directly to Bhutan's carbon neutral efforts by providing clean energy for zero carbon transport ...



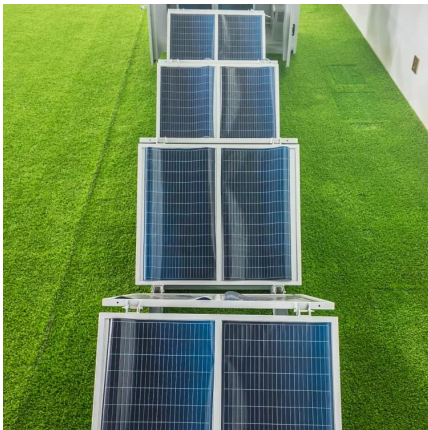
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## A Comprehensive Review of Bhutan's National Energy Policy ...

Jul 31, 2025 · Explore Bhutan's transformative National Energy Policy 2025 (approved June 2025): how it consolidates previous energy frameworks into one cohesive NEP, opens ...



### [Bhutan solar power generation and energy storage production](#)

Bhutan plans to harness 300 MW of solar energy within the next two years as it seeks to diversify its hydropower-dependent grid Bhutan's first elected government announced a plan to export ...

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