

# **Solar New Energy Storage Application in Bhutan**



## Overview

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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 address Bhutan's unique energy challenges while supporting its . The Ministry of Energy and Natural Resources, in collaboration with the International Solar Alliance (ISA), today launched the Country Partnership Strategy (CPS) 2025-29 and the National Solar Energy Roadmap (NSER) 2025-40 in Thimphu. Discover the .

"Hydropower is considered our nation's most precious resource that belongs to all the people of Bhutan. First, we need to further expand our energy sector. We should tap all . . . 1,000 MW by 2029 and 5,000 MW by 2040.

By 2040, we aim to have 10,000 MW of renewable energy capacity, with solar playing a key role in meeting our growing energy needs.

Bhutan is fast emerging as a regional leader in renewable energy, with an ambitious push to expand solar . 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. Titled

"Empowering Energy Security & Sustainable Growth," the policy consolidates and supersedes several prior . Why Bhutan is Prioritizing Energy Storage

Subsidies Bhutan, often called the Meta description: Explore Bhutan's energy storage power station subsidies, policy frameworks, and investment opportunities. Learn how subsidies drive renewable energy growth and why EK SOLAR leads in sustainable solutions.

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### [A Comprehensive Review of Bhutan's National Energy Policy 2025](#)

Multi-purpose reservoirs and pumped storage with solar hybrids are prioritized for firm power. Solar and other renewables (wind, geothermal, biomass) are promoted via PPPs,

### **Bhutan Photovoltaic Energy Storage: Powering Sustainable**

This article explores how solar energy storage solutions address Bhutan's unique energy challenges while supporting its carbon-negative status. Discover the technologies, policies, and real-world



### **Bhutan energy storage project**

Situated on the Kholongchu River in Eastern Bhutan's Trashiyangtse district, the project seeks to meet Bhutan's rising electricity demands and aid India's renewable energy

### [Ranking of New Energy Storage Companies in Bhutan: 2024 Industry](#)

Nestled in the Himalayas, Bhutan has long relied on hydropower - but new energy storage solutions are now unlocking solar and wind potential. With 84% forest coverage and carbon-negative status, the



### **NATIONAL ENERGY POLICY 2025**



### **Bhutan - Solar Power**

The project aims to install 30 MW of solar PV and strengthen the regulatory environment to accelerate Bhutan's renewable energy market, fully realising its solar energy plan of 1000 MW as planned by

Therefore, it is crucial to not only continue development of hydropower including reservoir/pumped storage integrated with solar energy, but diversify the energy basket by harnessing solar, wind,



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### [Bhutan Accelerates Solar Energy Drive With National Roadmap - BHUTAN TODAY](#)

The centre promotes solar adoption, provides technical support, and partners with global institutions including the United Nations Industrial Development Organisation. Two pilot storage projects have



### [Launch of Country Partnership Strategy \(CPS\) and National Solar Energy](#)

Complementing the CPS, the NSER sets out a clear pathway to achieve Bhutan's national solar energy targets. Developed with ISA's support, the roadmap identifies potential solar

[Bhutan Energy Storage Power Station Subsidies: Policies, Benefits,...](#)

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