



Bhutan New Energy Station 3 44MWh

Will Reliance Power build a 500 MW solar farm in Bhutan?

Reliance Power, under its May 2025 joint venture with Druk Holding and Investments' subsidiary Green Digital, is taking the lead on Bhutan's largest solar investment to date -- a 500 MW solar farm to be built in phases across western and central Bhutan.

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.

How will solar and wind projects help Bhutan?

The introduction of solar and wind projects helps Bhutan stabilise supply throughout the year. The 500 MW Reliance solar farm and local solar-wind installations like those in Sephu and Rubesa will cover winter shortfalls and reduce the need to import power during dry months.

Can Bhutan become a carbon-negative energy hub in the Himalayas?

Meanwhile, Adani's and Tata's hydro projects will fortify Bhutan's export revenues in the 2030s, supporting the kingdom's broader goal of becoming a carbon-negative, renewable energy hub in the Himalayas. These new power projects signal a major transformation for Bhutan -- economically, environmentally, and geopolitically.

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 strengthen ...

In a significant step toward energy self-sufficiency, Bhutan today commissioned the first phase of its largest solar power project, the Sephu Solar Project, in Wangdue Phodrang. The facility, ...

19th July 2025 The Department of Energy, MoENR announces the commissioning of Phase I (17.38 MWp) of the Sephu Solar Project in Sephu Gewog, Wangdue Phodrang, marking the launch of the ...

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 ...

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

The Sephu Solar Project in Bhutan will be the first utility-scale alternative renewable power plant in the country and the first step to diversify the generation portfolio of Bhutan's hydropower dominated energy sector.

The completion of ongoing hydropower projects, and initiation of new projects, will be complemented by the



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development of energy storage systems and other related infrastructure ...

Ministry of Energy & Natural Resources (MoENR) Department of Environment and Climate Change
Electricity Regulatory Authority (ERA) Department of Forests and Park Services Bhutan ...

The Sephu Solar Power Plant has so far injected about 13.55 million units of electricity into the national grid, with the highest monthly generation of 3.30 million units recorded in December. According to ...

This project will be Bhutan's first and largest grid-connected utility-scale solar power plant, marking a significant leap in the country's renewable energy ambitions. Beyond Jamjee, several other large ...

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