

Bhutan 10GWh energy storage battery project

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.

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.

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.

For the South Asia grid including India, Bangladesh, Bhutan, and Nepal, energy storage can play a major role in future system operations. Modeling results found that energy storage supports the ...

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Imagine if California's grid had to handle this swing every year. The Thimphu Power Storage project's 200MWh lithium-ion phase isn't just about batteries - it's about rethinking mountain energy economics.

By working alongside Indian giants, Bhutanese engineers and institutions such as Druk Green Power Corporation (DGPC) and Druk Holding and Investments (DHI) gain access to new ...

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at scale was officially connected to the grid. The station is equipped with 80 sets of ...

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