

Can solar power plants help Bhutan achieve energy security?

The Solar Plant in Rubesa is one such initiative that takes Bhutan a step closer to achieving energy security through a diversified and sustainable energy supply mix. The project particularly demonstrates the viability of solar power plants on a utility-scale.

Who inaugurated a solar photo-voltaic power plant in Bhutan?

On October 4, 2021, the Chairperson of the National Council of Bhutan, Lyonpo Tashi Dorji, inaugurated the 180kW grid-tied ground-mounted Solar Photo-Voltaic Power Plant at Rubesa, Wangdue Phodrang.

How is Bhutan achieving energy security?

Bhutan is undertaking various initiatives to broaden its energy mix by exploring other clean, renewable energy sources. The Solar Plant in Rubesa is one such initiative that takes Bhutan a step closer to achieving energy security through a diversified and sustainable energy supply mix.

Can a solar power plant boost hydropower supply in Bhutan?

“Solar plant such as this can augment hydropower supply to meet our rapidly increasing domestic electricity demand, especially in winter months,” he said. Electricity in Bhutan is mostly generated from hydropower, a renewable energy source, unlike fossil-fuel driven power plants that are major contributors to carbon dioxide emissions worldwide.

Why should Bhutan invest in solar energy?

Like hydropower, sun is a bountiful resource Bhutan can tap into for producing renewable energy in keeping with our carbon neutrality commitments and also for enhancing energy security through diversification of energy sources.

Working with JB Solar has been a transformative experience for us at the Ministry of Energy in Bhutan. Their solar solutions have not only helped us reduce our carbon footprint but have also provided cost-effective and sustainable energy solutions for our operations.

The project included the installation of Rooftop Solar PV at Centenary Farmer's Market (CFM) and Ground Mounted Solar Panels at Dechencholing in Thimphu. The first phase of the project completed in May-June, last year.

This centre aims to strengthen local capacity that promotes the development and dissemination of solar energy technologies and provides technical assistance to accelerate the deployment of ...

Bhutan Solar Initiative Project (BSIP) set up under Royal Command has implemented two Solar PV Projects

in Thimphu. 250kW Rooftop Centenary Farmers Market (CMF) and 500kW Ground mounted at Dechencholing. Both projects are grid-tied, meaning the electricity generated is directly fed into the BPC grid, and are without batteries.

However, Bhutan is on the brink of a significant change with the Sephu Solar Project. Set to begin operations in early 2025, it will mark a milestone in the country's energy history as the first commercial renewable energy source in Bhutan.

This centre aims to strengthen local capacity that promotes the development and dissemination of solar energy technologies and provides technical assistance to accelerate the deployment of solar energy solutions in the country and the region through further collaboration with the United Nations Industrial Development Organisation (UNIDO).

First-of-its-kind solar power plant in Bhutan. The 180kW solar power plant is a first of its kind in the country and since its commissioning has been generating and feeding electricity into the ...

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First-of-its-kind solar power plant in Bhutan. The 180kW solar power plant is a first of its kind in the country and since its commissioning has been generating and feeding electricity into the local grid for distribution.

On 28 June, coinciding with the birth anniversary of Guru Rinpoche, Bhutan Solar Initiative Project (BSIP) inaugurated the 500 kW ground-mounted and grid-tied solar PV project at Dechencholing in Thimphu yesterday.

His Excellency the Minister for Energy and Natural Resources has inaugurated the 33 kWp Solar Mini-grid plant at Shangsa village under Lunana Gewog on 7 th September 2024. The project is a first of its kind in Lunana and marks a significant achievement for the Ministry and the country as a whole.

The first phase of Bhutan's first utility-scale solar power project at Sephu in Wangdue Phodrang is set for completion by March next year. A utility-scale solar facility generates solar power and feeds it into the grid.



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