

# Suntrust solar Bhutan





## Overview

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Sephu plant will serve as an addition to the 180 kW grid-connected ground-mounted solar photovoltaic power station in Rubesa (near ), which became operational in October 2021. The Sephu plant is currently under construction over an area of 65 acres in Yongtru village, situated in the . Upon its completion, the overall installed capacity of the facility will reach 22.38 megawatts and is expected to be complete by March 2025. It was initially planned.



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### **Bhutan is tapping into solar energy with its first grid ...**

The commissioning and inauguration of the 180kW grid-tied Solar Power Plant marks the start of Bhutan's investment in grid-tied solar energy as a viable alternative energy source in the face of soaring domestic demand and climate ...

### **500KV ground-mounted and grid-tied Solar PV project at ...**

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.



### **Bhutan Trust Fund**

The DSP Solar Initiative aims to enhance Bhutan's energy security, showcase the country's leadership in environmental conservation, prove the technical and economic feasibility of solar power, and encourage its adoption by both public and private sectors.

### **Sephu hosts Bhutan's first mega solar power plant**

The groundbreaking ceremony for the country's



first mega solar power plant with a capacity of 17.38-megawatt was held in Sephu, Wangdue yesterday. The plant, which is expected to complete by the end of 2024, will occupy 65.49 acres in Yongtru village.

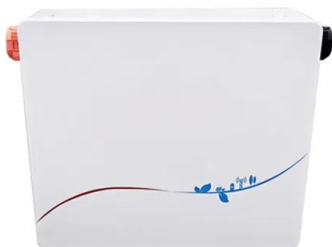


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### **Bhutan Leads the Way In Clean And Sustainable Energy With Solar ...**

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.



## Launch of First Grid-tied Solar Power Plant

The 180kW solar power plant is first of its kind in the country and will trigger transformative changes towards energy source diversification. The community of Rubesa under Wangdue Dzongkhag should be proud to host both solar and wind power plants in the country."



## Bhutan Solar Initiative Project (BSIP)

The Bhutan Trust Fund for Environmental Conservation (BTF) is the world's first environmental trust fund, established on 6th March 1991 as a collaborative venture between the Royal Government of Bhutan, United Nations Development Program, and World Wildlife Fund.

## Sephu Solar Power Plant

Sephu plant will serve as an addition to the 180 kW grid-connected ground-mounted solar photovoltaic power station in Rubesa (near Punakha), which became operational in October 2021. [1] The Sephu plant is currently under construction over an area of 65 acres in Yongtru village, situated in the Sephu Gewog . [ 2 ]



- IP65/IP55 OUTDOOR CABINET
- IP54/55
- OUTDOOR ENERGY STORAGE CABINET
- OUTDOOR BATTERY CABINET

## Sephu solar farm's capacity enhanced to 22.38 MW

Wangdue--The country's first utility-scale solar farm in Sephu, Wangdue, initially planned at 17.38 megawatts (MW), has increased its capacity to 22.38 MW. The project is divided into two phases. The first phase, which involves constructing 17.38 MW, is scheduled for completion by March of next year.



## Sephu hosts Bhutan's first mega solar power plant

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## First phase of Bhutan's Utility-Scale Solar Project to complete by

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. The 17.38-megawatt solar farm is expected to generate around 24 million units of energy annually, once operational.

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