

Bhutan solar power house



Overview

The new solar power plant is Bhutan's largest grid-connected solar project to date. It is spread across 44 acres of land and fitted with around 26,500 solar panels. 38 megawatt-peak (MWp) of electricity. Bhutan inaugurated its first-ever utility-scale solar photovoltaic (PV) power plant on July 19 in Yongtru village, Sephu Gewog (Village Block), in Wangdue Phodrang in central part of Bhutan which is about five hours journey from the capital, Thimphu. Taking a major step forward in the country's. The Department of Energy, MoENR announces the commissioning of Phase I (17. Commissioning of the Phase-I of the. Nearly 200 public facilities in three districts across the country have been equipped with solar power. Deviating from our sole focus on hydropower, the project aims to enhance domestic capability, embrace emerging. DD Green Venture is a leading solar solutions provider in Bhutan, offering customized EPC services, consultation, and maintenance to power a sustainable future. From consultation to installation and maintenance, our expert team ensures reliable and sustainable solar systems that are built to last. The 180 kW grid-tied solar PV plant, the first of its kind in the country, demonstrates viability of solar power to diversify Bhutan's energy sources Photo: Department of Renewable Energy, Ministry of Economic Affairs Electricity in Bhutan is generated mostly from hydropower, an energy source which.



Article Content

Bhutan is tapping into solar energy with its first grid-tied

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

Sephu Solar Project -

The Department of Energy, MoENR announces the commissioning of Phase I (17.38 MWp) of the Sephu Solar Project in Sephu Gewog, Wangdue

Promoting renewable energy for a clean and sustainable future

The pilot grid-tied solar project at the UN House will demonstrate solar as a reliable energy source and serve as a key driver of energy source diversification in Bhutan. The UN House in

Press Release

Deviating from our sole focus on hydropower, the project aims to enhance domestic capability, embrace emerging technologies, reinforce climate

Bhutan looks beyond hydropower to solar

A large-scale, grid-connected solar plant in Bhutan, the first of its kind, is part of a drive to enhance energy security and diversify electricity sources

Tata Power-Druk Green Alliance | Clean Energy in Bhutan

Tata Power partners with Druk Green Power Corporation to develop 5,000 MW of hydro, pumped storage and solar power projects across India and Bhutan.

A Comprehensive Review of Bhutan's National Energy Policy 2025 ...

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

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

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

National Energy Policy 2025 -

The policy targets 25,000MW of installed capacity by 2040 – 20,000 MW of hydropower and 5000 MW solar, to enable Bhutan's ambition of

Bhutan launches its first grid-tied solar power plant

The commissioning and inauguration of the 180kW grid-tied ground mounted solar photo-voltaic power plant marks the start of Bhutan's investment in grid-tied solar energy as a viable

25,000 MW by 2040: Bhutan's Bold Energy Policy 2025 and

Solar power can generate electricity during sunny winter days when hydropower generation is low, creating a complementary “solar-hydro hybrid” system that provides more

Assessment of solar energy generation potential in Western Bhutan –

Therefore, despite of minimal literatures on solar energy assessment in Bhutan, and owing to only few existing literatures focusing on hydro resources outlook of Bhutan in [9, 10], this proposed

Sephu Solar Power Plant

Sephu Solar Power Plant is an under-construction photovoltaic power station in Bhutan.

Construction of Jamjee Solar Photovoltaic Project in

The construction of the country's largest solar power project began today. It is located at Maedwang gewog, South Thimphu. The 120 Megawatt

Renewable energy in Bhutan

After the 2015 United Nations Climate Change Conference, Bhutan has been moving towards other forms of renewable energy so as to decrease their reliance on hydroelectric power during winter and

Harnessing Bhutan's solar potential with market-driven solutions

Solar energy offers a promising solution, and Bhutan has set ambitious targets: 500 MW by 2025 and 1,000 MW by 2030. In line with these goals, a 22.38 MW solar farm is currently under

Bhutan's Biggest Solar Project Yet: A Giant Leap Toward Energy

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

Delivering Clean and Sustainable Energy through Solar Power in Bhutan

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.

500KV ground-mounted and grid-tied Solar PV project

Bhutan Solar Initiative Project (BSIP) set up under Royal Command has implemented two Solar PV Projects in Thimphu. 250kW Rooftop Centenary

DGPC installs solar panels in 187 public facilities

This will be enough to power approximately over 2,500 average Bhutanese homes and generate revenue of around Nu 58 M annually. The DGPC has proposed to sell the power generated

Off-grid Solar Power: Lighting the rural lives - BHUTAN

Off-grid Solar Power: Lighting the rural lives Tenzin Lhaden Bhutan's initiative to embark on alternative renewal energy may be at a neonatal stage apparently,

Energy in Bhutan

Until 2002, Bhutan's energy sector was overseen by the Department of Power under the Ministry of Trade and Industry. In 2002, reforms in the executive body, the Lhengye Zhungtshog, produced

Distributed Solar for Public Infrastructure Project: Sector Assessment ...

Sector Performance, Problems, and Opportunities Demand and supply gap. Bhutan has been a power surplus country on an annual basis, but there is a significant shift in seasonal power situation in

DD Green Venture | Leading Solar Energy Solutions in

We bring innovative solar solutions that power homes, businesses, and communities across Bhutan with renewable energy you can trust. From consultation to

The Business Case for a Solar Factory in Hydropower

Bhutan exports 80% of its hydropower yet faces winter energy shortages. Discover the powerful business case for building a solar panel factory

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