

Bhutan renewable energy growth

 **TAX FREE**    

ENERGY STORAGE SYSTEM

Product Model
HJ-ESS-215A(100KW/215KWh)
HJ-ESS-115A(50KW 115KWh)

Dimensions
1600*1280*2200mm
1600*1200*2000mm

Rated Battery Capacity
215KWH/115KWH

Battery Cooling Method
Air Cooled/Liquid Cooled



The image shows a tall, grey Energy Storage System (ESS) unit. It has a black top and bottom. Two vertical green lines run down the front panel. In the center, there is a blue hexagonal shape with a black lightning bolt symbol. The letters 'ESS' are printed in green at the top right of the panel. At the bottom, there are two yellow triangular warning symbols with lightning bolts.



Overview

With Bhutan's techno-economically viable hydropower potential at 23,000 MW (from 90 sites outside ecological parks), solar at 12,000 MW, wind at 800 MW, and biomass at 2,700 GWh annually, the NEP 2025 sets ambitious targets: 25,000 MW total generation capacity by 2040. With Bhutan's techno-economically viable hydropower potential at 23,000 MW (from 90 sites outside ecological parks), solar at 12,000 MW, wind at 800 MW, and biomass at 2,700 GWh annually, the NEP 2025 sets ambitious targets: 25,000 MW total generation capacity by 2040. 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 combined ventures — including Adani's 570 MW Wangchhu, Tata's 600 MW Kholongchhu, and Reliance's 500 MW solar farm — are set to. Bhutan's National Energy Policy 2025 (NEP 2025), released in June 2025 by the Ministry of Energy and Natural Resources (MoENR), represents a pivotal shift in the country's energy strategy. Hydropower has long underpinned Bhutan's economy, contributing significantly to revenue. 1,000 2029 5,000 Bhutan is fast emerging as a regional leader in renewable energy, with an ambitious push to expand solar. Bhutan has been a power surplus country on an annual basis, but there is a significant shift in seasonal power situation in Bhutan due to the recent changes in surging electricity demand and capacity shortage in the winter period. While hydropower remains the backbone of Bhutan's electricity generation, the policy.

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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 becoming a "High-income GNH Economy by ...

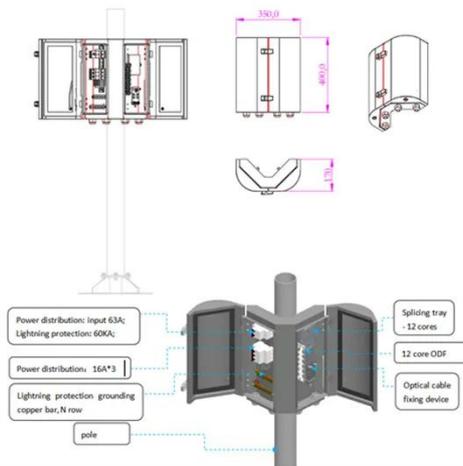
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A Comprehensive Review of Bhutan's National Energy Policy 2025

For Bhutan, the policy could drive socio-economic growth, with hydropower revenues (illuminating homes and industries) extended to green exports. Achieving targets would reduce ...



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Bhutan's Clean Energy Boom and Future Power Outlook

Bhutan's clean energy ambitions have entered a new phase of growth, marked by significant commitments from some of India's biggest power players -- Adani, Reliance, and Tata -- ...

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25,000 MW by 2040: Bhutan's Bold

Energy Policy 2025 and ...

By setting ambitious targets for hydropower expansion, embracing pumped storage, diversifying into solar and other renewables, and fostering strategic partnerships, Bhutan aims to ...

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WORKING PAPER Alternative renewable energy in Bhutan

entify the renewable energy share in the energy mix. Invest in tools and data for a clear assessment of renewable energy needs .

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SECTOR ASSESSMENT (SUMMARY): ENERGY

Bhutan has been a power surplus country on an annual basis, but there is a significant shift in seasonal power situation in Bhutan due to the recent changes in surging electricity demand and capacity ...

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Renewable Energy Sector grows in 2024 - Business Bhutan

The year 2024 marked a landmark period for Bhutan's renewable energy sector, with substantial progress



achieved in key projects and milestones that underscored the country's strategic ...

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DGPC-CRPL MoU Targets 100-250 MW Hydropower And Solar ...

Druk Green Power Corporation Limited (DGPC), Bhutan's leading renewable energy company, has signed a Memorandum of Understanding (MoU) with Carbon Resources Private ...

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Diversifying energy sources beyond hydropower under new energy ...

The policy aims to significantly expand the share of non-hydro renewables, targeting the addition of 5,000 MW of solar energy by 2040 alongside contributions from wind, geothermal, ...

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Bhutan Accelerates Solar Energy Drive With National Roadmap - BHUTAN TODAY

Bhutan is fast emerging as a regional leader in renewable energy, with an ambitious push to expand solar power

across the country.

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