



What is the investment scale of bhutan s energy storage power station

How much solar power does Bhutan have?

According to the Renewable Energy Resource Assessment 2015, Bhutan has a theoretical potential of 3,706,328 MW for solar photovoltaic power generation based on solar irradiance.

Who oversees the energy sector in Bhutan?

Until 2002, Bhutan's energy sector was overseen by the Department of Power under the Ministry of Trade and Industry.

What is the main energy source in Bhutan?

On-grid hydropower is the country's main energy source. Bhutan operates four major hydroelectric facilities, several small and mini hydroelectric generators, and has a handful of further sites in development. Many of the small and mini hydropower plants in Bhutan serve remote villages that remain disconnected from the power grid.

Does Bhutan need long-term energy security?

With growing demand, where the peak power demand has outpaced firm power supply by 125% in 2024 which is expected to increase further, securing the country's long-term energy security has become ever more a priority. For Bhutan, long-term energy security means meeting winter demands when our hydropower generation ebbs to the lowest.

What is Bhutan's integrated energy strategy?

The objectives driving this integrated strategy are clear: Guarantee long-term energy security; fuel sustainable socio-economic growth; enhance resilience against climate change; ensure continued access to reliable and competitive energy; and position Bhutan in the forefront of clean energy development.

How has the power sector changed in Bhutan?

Over the last ten years, there have been significant transformations in the Power Sector of Bhutan, both in its structure and policies, driven by ongoing reform processes. Bhutan has a substantial hydropower potential, which is estimated to be 37,000 MW. Out of this, 33,000 MW is considered to be techno-economically feasible.



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