



Solar wind co uk Cambodia

Can Cambodia generate 500MW of wind energy?

Blue Circle has been conducting a feasibility study in Mondulhiri and Kampot provinces since 2018, and in March 2019, it revealed that Cambodia had potential for wind energy investment. The firm said Cambodia could generate 500MW from wind energy. It currently invests in wind energy in Thailand and Vietnam.

Is solar energy a good source of energy in Cambodia?

Solar energy in Cambodia is the country's second most promising clean energy source behind hydropower. Hydropower remains Cambodia's most developed renewable energy source but also has its own challenges - such as yearly variability due to droughts and floods.

Can wind power be used in Cambodia?

With Cambodia's electricity demand ever-increasing, this could prove useful. On top of this, wind power is complementary to hydropower and solar power. For example, during the dry season when hydropower is less plentiful, wind power can make up the difference.

Why is solar development important in Cambodia?

Solar development will increase investment in modernising the existing energy infrastructure. Plus, off-grid solar and micro-grids will help electrify rural regions that often face the largest energy access issues. Finally, Cambodia's energy prices are some of the highest in the ASEAN.

How much does solar energy cost in Cambodia?

One of the promising traits of solar energy in Cambodia is its cost. The average electricity price for solar power is around USD 0.03 per kW, significantly lower than that of coal, which is USD 7.7 per kW.

What are Cambodia's goals for solar energy?

With these opportunities in mind, the government has set ambitious targets for expanding solar energy in Cambodia, aiming to inject 2 GW of solar energy into the grid by 2030. This goal is supported by a range of policies designed to facilitate the growth of the solar sector, including incentives for investment and development.

Cambodia is transitioning to solar and wind energy to diversify its energy sources and enhance energy security, aiming to reduce reliance on hydropower and fossil fuels. Minister Keo Rottanak emphasizes the importance of integrating solar and wind, strengthening regional interconnectivity, and addressing climate change challenges.

Leader Energy has taken a significant step in transforming Cambodia's renewable energy landscape by signing an Implementation Agreement (IA) with the Ministry of Mines and Energy for a 150 MW wind farm.



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Off-grid solar, wind power and hydropower offer a route to electrify typically hard-to-reach parts of the country. This will not only support the nation's decarbonisation goals but also boost the standard of living in the country.

Solar and wind may have significant role to play in this regard. "Hydropower is essential, but it's vulnerable to environmental shifts. Our strategy is to maximise intermittent renewable energy, with a strong focus on solar, up to the grid's capacity," Rottanak said. Cambodia will soon welcome a 1,000 megawatt hydro project soon.

Cambodia's current installed solar capacity is slightly over 400 MW, but the country is targeting 3.1 GW by 2040. This projected growth in solar power production reflects not only ongoing technological advancements but also a growing recognition of Cambodia's vast solar energy potential.

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Cambodia is planning a move towards solar and wind energy to meet its rising power demands, according to Minister of Mines and Energy Keo Rottanak. On the sidelines of the Singapore International Energy Week event held recently, Rottanak emphasised the urgency of diversifying Cambodia's energy sources.

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