

Does India have advantages in solar power generation

What are the advantages of solar energy in India?

Use of solar energy can reduce the use of firewood and dung cakes by rural household. Some of the advantages of solar energy which makes it all the more suitable for India are as follows: This is an inexhaustible source of energy and the best replacement to other non-renewable energies in India. Solar energy is environment friendly.

Does India need solar energy?

India's climate action is dependent upon energy transition (in the electricity sector) by betting large on shift to solar energy. In 2014-15, the Government had set a target of producing 175 Gigawatt (GW) of renewable energy by 2022, with 100 GW of solar energy. The present installed capacity of solar energy is only 60% of the target.

Why should India invest in solar energy?

It's high time that our country should concentrate more on energy efficiency, conservation and renewable energy. To meet this surging demand, solar energy is the best form of energy to fulfill the energy needs of India and bridge the energy demand-supply gap. India has tremendous scope of generating solar energy.

Will India become a key market for solar energy?

A 25-year vision document by the government has targeted 85% of the power generation from renewable and green energy sources enabling India to become one of the key markets for solar energy with a huge customer base for solar applications.

Could solar power save India?

Prime Minister Narendra Modi has set a goal to generate 450 gigawatts of renewable energy by 2030 - five times the current capacity. If achieved, it also means that India would generate 60% of its electricity from non-fossil fuel sources by 2030, well beyond the 40% target in its Paris pledge. Solar could be India's salvation.

How to promote solar energy in India?

Government has taken several steps for promotion of solar energy in the country. These include: Standard Bidding Guidelines for tariff based competitive bidding process for procurement of Power from Grid Connected Solar PV and Wind Projects.

India is at the forefront of solar energy adoption, considering the challenges like the limited availability of natural resources needed for power generation, rising demand for power, increasing prices of fuels, distribution difficulties in rural ...

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