

# Indian government uses solar power to generate electricity

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Why is solar power important in India?

Solar power in India is an essential source of renewable energy and electricity generation in India. Since the mid-2010s, India has increased its solar power significantly with the help of various government initiatives and rapid awareness about the importance of renewable energy and sustainability in the society.

Is solar power a key focus for Indian government?

Solar power, with its abundance of sunlight and potential for decentralized generation, has emerged as a key focus for the Indian government. This article delves into the various policies and initiatives implemented by the government to promote the adoption of solar power systems in India.

How has India increased its solar power?

Since the mid-2010s, India has increased its solar power significantly with the help of various government initiatives and rapid awareness about the importance of renewable energy and sustainability in the society. India's solar power installed capacity was 135.81 GW AC as of 31 December 2025 .

How to encourage solar power generation in India?

In order to achieve the above target, Government of India have launched various schemes to encourage generation of solar power in the country like Solar Park Scheme, VGF Schemes, CPSU Scheme, Defence Scheme, Canal bank & Canal top Scheme, Bundling Scheme, Grid Connected Solar Rooftop Scheme etc.

According to a government release, the PM Surya Ghar scheme, approved in February 2024, aims to bring rooftop solar to one crore homes. As of December 2025, around 23.9 lakh ...

Solar photovoltaic power can effectively be harnessed providing huge scalability in India. Solar also provides the ability to generate power on a distributed basis and enables rapid capacity addition with ...

India is in the middle of a major shift in how it generates electricity as solar installations continue to rise at a pace that has surprised even power sector planners. Large-scale projects, policy ...

To promote Indian-made solar products, the government has made it mandatory for projects under schemes like the Rooftop Solar Programme, PM-KUSUM, and CPSU Scheme Phase ...

India is leading a solar revolution. As of September 2025, the nation has achieved a remarkable 127.33 GW of installed solar capacity, driven by progressive solar panel government ...



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The Government of India has set an objective of adding 175 GW of installed renewable-energy capacity by 2022, with 100 GW coming from solar power, 60 GW from wind power, 10 GW ...

As of 2025, it is now India's third largest source of electricity behind hydro. This graph charts India's solar power growth relative to the equivalent total electricity demand of other nations. Solar power is ...

Union Budget 2026 Bets Big on Sustainable Power Union Budget 2026 has sent a strong message - India's growth story will be green, technology-driven, and self-reliant. With targeted policy ...

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