

India supports rooftop solar power generation



Overview

The Union government on Tuesday (Feb 3) informed Parliament that over 28 lakh households across India have benefitted from rooftop solar installations under the Pradhan Mantri Surya Ghar: Muft Bijli Yojana, marking significant progress in the country's largest-ever domestic rooftop. The Union government on Tuesday (Feb 3) informed Parliament that over 28 lakh households across India have benefitted from rooftop solar installations under the Pradhan Mantri Surya Ghar: Muft Bijli Yojana, marking significant progress in the country's largest-ever domestic rooftop. The Union government on Tuesday (Feb 3) informed Parliament that over 28 lakh households across India have benefitted from rooftop solar installations under the Pradhan Mantri Surya Ghar: Muft Bijli Yojana, marking significant progress in the country's largest-ever domestic rooftop solar programme. Solar additions in calendar year 2025 comprised 28.6 GW of new utility-scale solar capacity, 7.9 GW of rooftop PV power, and 1.3 GW of wind capacity in calendar year (CY) 2025. India made 1,08,494 GWh of solar power, more than Japan's 96,459 GWh, and became the world's third-biggest solar energy producer. India's solar module manufacturing capacity jumped from 38 GW to 74 GW during FY 2024-25. Introduction Just a decade ago, India's solar landscape was in its infancy. Solar Power* (Cumulative) : 135.6 MW Pumped Storage # Excluding Nuclear Capacity of 100 MW, which is under outage for very long time, and have been removed temporarily w. 2025 For more details, Click below .

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India has 637 GW of residential rooftop solar energy potential: ...

Currently, India has installed 11 GW of rooftop solar capacity, of which only 2.7 GW is in the residential sector. The CEEW report, supported by Bloomberg Philanthropies, did a bottom-up analysis across 21 Indian states ...

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Over 28 lakh homes powered by rooftop solar under PM Surya Ghar ...

The rooftop solar push is also closely aligned with India's broader energy security and climate objectives. By decentralising power generation and reducing dependence on fossil fuels and imported ...



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Solar rooftop in India shifting gears: From laggard to leader

While solar rooftop has been a laggard, but given the challenges that utility-scale solar faces with land procurement and transmission issues, solar rooftop can play a big role in meeting India's energy needs ...

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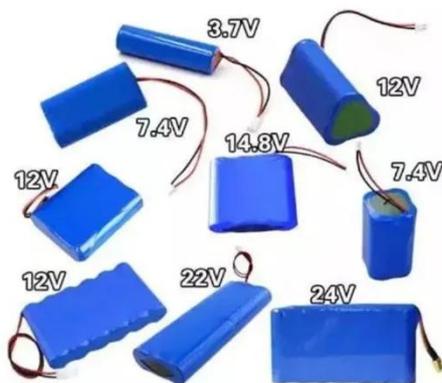


The Solar Surge: India's Bold Leap Toward a Net Zero Future

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 II to use panels ...



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India deploys 37.9 GW of solar in 2025

Solar additions in calendar year 2025 comprised 28.6 GW of new utility-scale solar capacity, 7.9 GW of rooftop PV power, and 1.35 GW of off-grid and distributed installations.

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Physical Achievements , MINISTRY OF NEW AND RENEWABLE ENERGY , India ...

Physical Achievements
Programme/Scheme wise Cumulative
Physical Progress as on 31th December,
2025 Solar Power* (Cumulative) : 135.81
GW Ground Mounted Solar Plant : 103.24
GW Grid ...

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National Portal for Rooftop Solar

National Portal for Rooftop Solar -
Ministry of New and Renewable Energy

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India's Solar Revolution: 24 Lakh Households Go Rooftop Under PM ...

As of December 2025, nearly 24 lakh households in India have adopted rooftop solar under the PM Surya Ghar scheme, contributing to the country's significant growth in solar energy capacity, now at 129 GW. Discover ...



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India installs more than 2.08 million rooftop solar systems under PM

The scheme provides upfront subsidies to support the installation of rooftop solar systems for households across the country. According to government estimates, deployment of rooftop solar systems ...

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Rooftop Solar Adoption Under the PM Surya Ghar Muft Bijli Yojana

In response, India has launched aggressive solar targets including

achieving 500 GW of non-fossil capacity by 2030 and specific rooftop solar (RTS) goals (Shah, 2024).

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