



Japan raises solar power target





Overview

Its 7th Strategic Energy Plan, released in February 2025, projects solar to rise from its current 10% share of electricity generation to between 23% and 29% by 2040, more than any other renewable energy source and even exceeding the forecasted nuclear share of 20%. Japan aims to increase its solar energy capacity to 150 gigawatts (GW) by 2040. The goal will be met by developing new. Mega solar projects are expanding faster than local governments can manage, raising major concerns for landscapes, wildlife, and nearby communities. (Photo Credit: TaiyangNews) Japan will target to achieve between 40% and 50% renewable energy share in its total electricity mix by FY2040 under its 7th Strategic. Japan's Sixth Strategic Energy Plan was agreed in 2021, and formed a plan for 2030. It includes a large planned scale-up of solar, an increase in onshore wind, and a new offshore wind industry. On 29th May 2024, METI published a renewable energy progress document of the Sixth Plan. 26 announced a new target to install about 20 gigawatts of next-generation perovskite solar cells-- equivalent to powering 5.



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[Japan targets 40-50% power supply from renewables by 2040](#)

The industry ministry's policy draft, unveiled on Tuesday, proposes increasing renewables to between 40% and 50% of power supplies in the 2040 fiscal year, roughly doubling the ...

[Japan's energy policies aim for increased zero-carbon electricity](#)

This new policy calls for an increase in installed solar capacity from 79 gigawatts (GW) in 2022 to 108 GW by 2030. Initiatives include installing solar capacity on 50% of government buildings ...



[Renewable electricity in Japan's 7th Strategic Energy Plan](#)

Japan's current Sixth Strategic Energy Plan envisions wind rising to only 5% of Japan's electricity by 2030. Wind and solar combined would hit only 20%, where the tripling of global renewable capacity ...



 LFP 48V 100Ah

[Japan's Energy Transition: The Road to 150 GW of Solar Capacity](#)

Japan aims to increase its solar energy capacity to 150 gigawatts (GW) by 2040. This ambitious target represents a significant leap from the current capacity of approximately 87 GW (as ...



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Could a large-scale solar power plant boost Japan's energy production? A large-scale solar power plant is seen in Oguni, Kumamoto Prefecture.

[Japan aims to power 5.5 million homes with next-gen solar panels](#)

The Ministry of Economy, Trade and Industry on Nov. 26 announced a new target to install about 20 gigawatts of next-generation perovskite solar cells--equivalent to powering 5.5 million



Tensor Energy , Japan solar growth

Japan boosts solar power toward 2050 decarbonization, cutting fossil reliance but facing grid, demand, and geopolitical challenges.

[Japan Raises 2030 Renewables Target to 36% in Ambitious Energy Plan](#)



Japan's industry ministry released an energy policy draft on July 21 that set a new target of 36% to 38% renewables in the country's electricity mix by 2030, up from the previous target of ...



[Japan's Solar Boom: Why Takaichi Is Pushing Back](#)

Mega solar projects are expanding faster than local governments can manage, raising major concerns for landscapes, wildlife, and nearby communities. Under the new Takaichi Cabinet, ...

[Japan To Aim For 20 GW Perovskite Solar Cell Capacity By 2040](#)

Japan will target to achieve between 40% and 50% renewable energy share in its total electricity mix by FY2040 under its 7th Strategic Energy Plan that has been approved by the cabinet. ...





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