



# TSMC Solar Power

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Title: TSMC Solar Power

Generated on: 2026-04-04 06:29:07

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What makes TSMC a sustainable company?

TSMC is deeply committed to sustainable development and green manufacturing. After becoming the first semiconductor company in the world to join RE100 in 2020, TSMC is now pioneering the ESG innovation model of domestic renewable energy joint procurement, creating a platform to match renewable energy with industrial power consumption.

Why did TSMC launch a solar PV procurement project in 2024?

In 2024, TSMC launched the "roof-mounted PV procurement project" and "maximal renewable energy installation project for existing fabs" to expand the areas for solar PV installation. As a result, the total renewable energy usage throughout the year rose to 3,610 GWh.

How much electricity does TSMC use per year?

The signed 1,000 GWh per year long-term renewable energy contract (signed for a 20-year term, 20,000 GWh in total) is equivalent to the annual electricity consumption of 250,000 households. TSMC will subscribe for 500 GWh per year and invite suppliers to jointly subscribe for the other 500 GWh per year.

Why did TSMC launch a 'roof-mounted PV procurement project' in 2024?

In 2024, the Company launched the "roof-mounted PV procurement project" and "maximal renewable energy installation project for existing fabs" to broaden the use of renewable energy and accomplish Energy Conservation and Carbon Reduction in TSMC Operations.

TSMC has also signed a 20-year deal with a solar power company to purchase 920 MW of solar power. These deals will help TSMC to reduce its carbon emissions and increase its use of clean energy.

TSMC Solar: The Untold Story of a Semiconductor Giant's Green Energy Venture Picture this: The world's leading semiconductor foundry decides to harness sunlight instead of silicon. That's exactly what happened ...

TSMC celebrated the eve of Earth Day 2023 by leading the way in ESG innovation with a joint procurement model for domestic renewable energy. The company established a platform to match renewable ...

TSMC's 3 gigawatts of installed solar capacity significantly outpaces many of its competitors. Other semiconductor companies often grapple with substantial energy demands, yet few have taken the ...



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Taiwan Semiconductor Manufacturing Company (TSMC) moved towards a goal of reaching net-zero emissions by 2050, signing a 20-year renewable energy joint procurement contract with ARK Power. ...

In April 2023, TSMC announced the first joint procurement renewable energy program in Taiwan, and signed a long-term renewable energy PPA (Power Purchase Agreement) with ARK Power with a total 1 ...

After more than a year of growing pressure from Stand.earth and other environmental NGOs, Taiwan Semiconductor Manufacturing Company (TSMC) announced plans to accelerates its 100% ...

ARK Power uses the solar power plant of parent company ARK Solar Energy as its power source and provides TSMC participating suppliers and subsidiaries with services ranging from renewable energy ...

Use Renewable Energy Continue to purchase renewable energy and install solar-energy power systems to achieve target of 100% renewable energy use

Roadmap to Zero Emissions Milestone he areas for solar PV installation. As a result, the total renewable energy usage throughout the installation 2024, TSMC project launched for existing the

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