

# TSMC Solar Power Plant



## Overview

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Chip maker TSMC in collaboration with ARK Power on Friday said it intended to source 20,000 gigawatt-hours of electricity from solar power. While that may sound immense, it's not nearly as big as TSMC might have you believe. The 20TWh sum is an aggregate spanning the.

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### TSMC Fabs

TSMC Fabs 12-inch FABs Corporate Headquarters, Fab 12A 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu 300-096, Taiwan, R.O.C.

### TSMC 2024 Climate and Nature Report

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



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### TSMC Arizona: A look inside the \$165 billion site

Emerging from the desert of North Phoenix, TSMC Arizona is already a colossal sight from the freeway, even at this early stage. The first fab, now producing chips, is a silver-gray



[Mexico eyes US energy exports from solar farm, chip](#)

Mexico's northern state of Sonora wants to export clean energy to California and Arizona from a massive new solar farm project and play a role in

### 4Q25EarningsRelease

TSMC pioneered the pure-play foundry business model when it was founded in 1987, and has been the world's leading dedicated semiconductor foundry ever since. The Company supports a thriving



[Sonora's Ambitions: Exporting Clean Energy, Courting Tech Giants](#)

Sonora is looking to export clean energy to California and Arizona through a new solar farm project. Sonora's governor envisions a role for the state in the semiconductor supply chain,

[TSMC and TSMC Arizona Have Outlined a Blueprint for Achieving Net](#)

TSMC Arizona has installed 14.5MW of solar panels, and purchased Renewable Energy for the remainder of the power consumption. The solar panels provide power equivalent to what we be



[TSMC's Arizona fab will need ~200MW of electricity. How do](#)

Most of the big companies like this don't have their own full-time power stations, but they will have their own massive backup generator system that can keep them online in the event that the local public

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TSMC has been the world's dedicated semiconductor foundry since 1987, and we support a thriving ecosystem of global customers and partners with the industry's leading process technology and

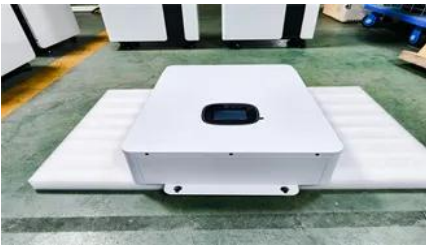


**Investors**



### Dedicated IC Foundry

TSMC (TWSE: 2330, NYSE: TSM) created the semiconductor Dedicated IC Foundry business model when it was founded in 1987. In 2025, TSMC served 534 customers and manufactured 12,682



### TSMC Arizona

TSMC Arizona is a semiconductor manufacturing complex in Phoenix, Arizona, United States built by TSMC. Its chip fabrication plants are the first built in the

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### Taiwan Semiconductor Manufacturing Company Limited

TSMC is committed to minimizing environmental impact while delivering world-class manufacturing capabilities. TSMC publishes an annual Sustainability Report which details the company's

### TSMC's Energy Demand Drives Taiwan's Geopolitical

Discover how Taiwan's renewable-energy

projects are powering TSMC's microchip fabs, crucial for the island's economy and geopolitical security.



#### About TSMC

TSMC brings about innovation through technology, while we relentlessly drive technological advancement through integrated circuits. In addition to keeping up the momentum in our core

#### TSMC pushes 20TWh solar scheme which looks like

TSMC brags of 20TWh solar scheme. Feels a bit like greenwashing to us. Chip maker TSMC in collaboration with ARK Power on Friday said it



#### Press Center

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