



# Musk talks about China's solar power generation

Why is Elon Musk interested in solar?

Elon Musk admires the sun as an almost infinitely plentiful source of energy. His solar projects reflect his interest, and the cost of solar is lower than ever before. A strategic installation of the right solar panels could easily power the entire world.

Does Elon Musk say the sun can power all civilizations?

Elon Musk Says the Sun Can Power All of Civilization. Of Course He's Right. It's a free fusion reactor in the sky. Now how do we catch it? Gear-obsessed editors choose every product we review. We may earn commission if you buy from a link. Why Trust Us? Elon Musk admires the sun as an almost infinitely plentiful source of energy.

Does Elon Musk own a business in China?

From electric cars to solar panels, Mr. Musk has built businesses in high-tech manufacturing sectors now targeted by Beijing for Chinese dominance. Elon Musk, left, with Premier Li Qiang of China in Beijing. Mr. Musk has strong business ties in China. Wang Ye/Xinhua, via Associated Press Published Nov. 22, 2024 Updated Dec. 3, 2024, 10:11 a.m. ET

Could solar panels power the world?

A strategic installation of the right solar panels could easily power the entire world. In a tweet yesterday, Elon Musk suggested we could all pay a little more tribute to the powerful orb that keeps our planet alive. Musk said the sun--that "free fusion reactor in the sky"--can power all of civilization.

Will Chinese solar power the US?

Chinese solar is now expanding so fast that by the early 2030s, the country will generate more power from the sun than the amount of electricity the US will consume altogether, according to the International Energy Agency.

Is China a global renewables powerhouse?

"It's extraordinary," said Jonathan Pershing, a former State Department climate diplomat who now directs the William and Flora Hewlett Foundation's environment program. "I look at it and say, this is kind of what we want the world to do." China, for all its world-heating pollution, is a global renewables powerhouse.

During the interview, Musk did lay out some of the limitations of solar power, especially in vertically-oriented cities, like Hong Kong, and other densely populated regions, like the very areas of ...

Musk stated that mathematical calculations prove how solar energy in a small area can power the entire U.S. "Also, just do the math on solar on Earth, and you'll soon figure out that a relatively small corner of



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Texas or New Mexico can easily serve all U.S. electricity. One square mile on the surface receives ~2.5 Gigawatts of solar energy.

China's solar industry has invested \$130 billion in 2023, dominating the global solar supply chain and widening the technology and cost gap with other countries. Published: Nov 08, 2023 05:00 PM EST

Billionaire entrepreneur Elon Musk has once again championed the incredible potential of renewable energy. During an interview Tuesday at the American Geophysical Union's fall meeting in San Francisco, the 44-year-old CEO of Tesla Motors and SpaceX said that the U.S. could meet its electricity needs just by covering a small corner of Utah or Nevada with solar ...

"You can supply Hong Kong with the solar power [it needs] from a land area that's not too far away." He also suggested that China, which happens to be the world's biggest producer of greenhouse gases, can "easily" ...

Elon Musk said on X that, "Solar power will be the vast majority of power generation in the future." He also shared a post saying that "Rooftop solar delivers milestone of 80.5% share of ...

Elon Musk has given credit to China for its hard work in renewable energy and electric vehicles. The Tesla CEO's points were shared on both Twitter and Weibo.

If solar is 20% efficient at turning solar energy into power, as it has been in lab tests, we'd only need to cover a land area about the size of Spain to power the entire Earth renewably in 2030 ...

One person who made an early effort to win over Tesla was Chinese President Xi Jinping. Since 2018, Musk has been part of Xi's plan to make China a leading electric car manufacturer despite U.S ...

Elon Musk was invited to the 2021 World New Energy Vehicle Congress in Hainan, China. Although he didn't attend in person, he did so via a prerecorded video and touched upon the future ...

At the press conference held in the lobby of the Gigafactory on Wednesday evening, Elon Musk and JB Straubel told the press a great deal about the upcoming Model 3 and the company's new focus on ...

Elon Musk has big dreams for Puerto Rico. On Thursday, the Tesla chief executive said he would discuss building a high-tech solar grid for the island with Puerto Rican Gov. Ricardo Rosselló;

Elon Musk believes that technological progress in the fields of artificial intelligence and electric vehicles is moving at an unprecedented rate. He warns that while chip shortages may be a thing of the past, there may be a power supply shortage next year due to the rapid expansion of AI and electric vehicles. Musk emphasizes the urgent need for increased ...



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Scientists ran a successful test on June 5 which was -- according to a statement published by the university -- the "world's first full-link and full-system solar power plant";

Meanwhile, energy news outlet IN-EN reported that China's solar power generation in August rose by 14% year-on-year, double the pace of year-on-year growth recorded in July. BJX News said that China had already installed more than 100GW in the first eight months of 2023, with additions standing at 113GW by the end of August.

Musk urged the power sector to take a closer look at demand projections amid the energy transition. Global energy consumption today is roughly a third electricity, a third for transport and a ...

In recent years, the Chinese government has promulgated numerous policies to promote the PV industry. As the largest emitter of the greenhouse gases (GHG) in the world, China and its policies on solar and other renewable energy have a global impact, and have gained attention worldwide [9] this paper, we concentrated on studying solar PV power ...

"If you wanted to power the entire United States with solar panels, it would take a fairly small corner of Nevada or Texas or Utah; you only need about 100 miles by 100 miles," Musk said.

The road to market saturation will be long, Musk admitted in the TED Talk, on the order of 40 or 50 years. That's because people keep their roofs for 20 or 25 years, so replacement cycles are long.

China's technological edge in renewable energy and electric vehicles (EVs) has been endorsed by none other than Elon Musk, the world's wealthiest man and an entrepreneur most often linked with...

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China can use its huge land mass to harness enough solar energy to "easily" generate enough power to satisfy the needs of the whole country including Hong Kong, Tesla ...

It could easily take a home off the power grid, especially with the use of many solar panels, Musk said. "Tesla is not just an automotive company, it's an energy innovation company," the firm ...

For [more:https://news.cgtn.com/news/2022-05-31/Elon-Musk-China-world-leader-in-renewable-energy-generation-EVs-1atQ3mEiFyM/index.html](https://news.cgtn.com/news/2022-05-31/Elon-Musk-China-world-leader-in-renewable-energy-generation-EVs-1atQ3mEiFyM/index.html)Tesla's CEO Elon Musk h...

Space launch costs are dropping rapidly. Solar panels are cheaper than ever. Could space-based solar power soon be price-competitive with nuclear? Promoted a...



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