

Is China a leader in solar energy technology?

Over the past 20 years China has emerged as the world leader in solar energy technology. At the end of 2019, China's total installed capacity of solar PV power made up 204 GW of energy.

Is Longi still a dominant solar company?

As dominant as Longi might appear, no one stays on top of the solar industry for long. Yingli Green Energy Holding Co. was the world's biggest maker of solar panels as recently as 2013, but aggressive borrowing to fund new production combined with a plunge in solar equipment prices drove it to the brink of collapse.

Why did China promote the solar PV industry?

The solar PV industry (as well as wind power) was supported and promoted with the explicit aim to create a leader in the global renewable energy market and to export equipment made in China to the promising solar markets in Europe and in USA. China's government wanted to take its export-oriented, "factory of the world" economy to the next level.

How has Suntech Power impacted China's solar industry?

Suntech Power has had the strongest impact and role model function on the whole of China's solar industry development, triggering the formation of a world leading industry sector. Suntech was founded in 2001 by Zhengrong Shi, a Chinese PhD returnee from the University of New South Wales who returned to China in 2000.

Why is China building a solar power plant?

The construction comes as China - already a world leader in renewable energy innovation and production - has been ambitiously expanding its solar and wind power projects across the country to achieve clean climate targets over the past years.

Why does China subsidize solar?

But around that time, China began to heavily subsidize solar installations, turbocharging demand and providing manufacturers with an incentive to compete on technology, not just cost. As its clout grew, Longi expanded vertically, and now it competes in nearly every part of the supply chain.

Overview Potential Technologies Development and deployment Economics Grid integration Environmental effects Politics Solar power, also known as solar electricity, is the conversion of energy from sunlight into electricity, either directly using photovoltaics (PV) or indirectly using concentrated solar power. Solar panels use the photovoltaic effect to convert light into an electric current. Concentrated solar power systems use lenses or mirrors and solar tracking systems to focus a large area of sunlight to a hot spot, often ...

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