



# Longi green energy and energy storage

Who is Longi Green Energy Technology?

With a more open, inclusive, and pragmatic attitude, we aim to create a more sustainable and brighter future. Established in 2000, LONGi Green Energy Technology Co., Ltd. is headquartered in Xi'an, Shaanxi Province, and became publicly listed on the Shanghai Stock Exchange in April 2012 (stock code: 601012.SH).

Is Longi Green Energy a crystalline silicon solar module?

China's Longi Green Energy has set a new world record for crystalline silicon solar module efficiency, according to a certification report from Germany's Fraunhofer ISE. Longi's independently developed HPBC 2.0 module has achieved a conversion efficiency of 25.4%, surpassing previous global records.

Does Longi use green power?

Adopted green power in our production actively and optimized our energy structure. In 2023, 3,815 million kWh of LONGi's total about 31.10% of the total electricity consumption, which was equivalent to about 2,124,399.46 tCO<sub>2</sub>e emission reduction.

Does Longi produce green hydrogen?

Longi has turned its attention to green hydrogen in recent years. Li Zhenguo, the company founder and CEO, spoke to pv magazine about its strategic shift and how he believes that coupling this technology with solar PV will be the key to achieving carbon neutrality. How does Longi view the relationship between hydrogen, solar PV, and storage?

How much energy does Longi produce?

This means that by the end of 2023, LONGi manufactured 27% of the global cumulative installed photovoltaic capacity, equivalent to generating 1.7361 trillion kWh of green electricity and cutting the emission of 812 million tCO<sub>2</sub>e. This underscores LONGi's significant contribution to global climate action and sustainable development!

What is Longi Hydrogen Energy Technology?

Longi Hydrogen Energy Technology Co., Ltd. was officially established by Longi on Mar. 31, 2021, and our first hydrogen energy equipment manufacturing plant is located in Wuxi, China. The first 1,000 Nm<sup>3</sup> /h alkaline water electrolyzer was officially launched by Longi in October 2021, and several more have been delivered to customers and put into production.

On April 11, Jilin Electric Power Co., Ltd. announced that LONGi Hydrogen Energy won the bid for the Da'an Wind and Solar Green Hydrogen Synthesis Ammonia Integration Demonstration Project (hereinafter referred to as the "Da'an Project") as the first candidate to win the bid for a total of 15 sets of 1000 Nm<sup>3</sup> /h electrolytic water hydrogen ...



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Under its mission of "making the best of solar energy to build a green world", LONGi has dedicated itself to technology innovation and established five business sectors, covering mono silicon wafers cells and modules, commercial & industrial distributed solar solutions, green energy solutions and hydrogen equipment. The company has honed its ...

Xi'an, China, 21th Agust,2024 -- The world-leading solar technology company, LONGi Green Energy Technology Co., Ltd. (hereafter as "LONGi"), is pleased to announce that the company has been awarded the ISO 20400 for Sustainable Procurement by SGS, marking . ...

The green hydrogen produced by this project will be supplied to the local petroleum refining enterprises nearby, completely replacing the existing natural gas and fossil energy for hydrogen production, which can reduce carbon dioxide emission by 485,000 tons per year, creating a new development path for green hydrogen refining, a demonstration ...

Xi'an (China) 25th June -- From June 19th to 21st, the largest and most influential solar energy professional exhibition and trade fair to date globally--the 2024 Intersolar Europe--was held in Munich, Germany. The exhibition attracted approximately 3000 companies to exhibit, including LONGi Green Energy Technology Co., Ltd. (hereinafter referred to as ...

KATOWICE, Dec. 11 (Xinhua) -- The combination of photovoltaics (PV) and energy storage will become the ultimate energy solution for mankind, said Li Zhenguo, president of LONGi Green Energy Technology Co., Ltd, a world-leading manufacturer of monocrystalline silicon PV products. Li made the remarks on Tuesday at a sideline event during the 24th ...

Xi'an, China, September 3rd - On September 3, 2024, Hakainde Hichilema, President of the Republic of Zambia, visited LONGi's headquarters, in Xi'an, and had in-depth discussion with LONGi's leadership. The visit focused on topics such as Zambia's energy transition and cooperation with LONGi. Accompanying the President were Zambian Minister of Energy ...

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Web: <https://raioph.co.za/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

