

# LONGI GREEN ENERGY S ENERGY STORAGE BUSINESS



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!



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).



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?



Why did Longi set up a green energy zone? At the tournaments in Madrid, Halle, Shanghai, Turin and other regions, LONGi set up green energy zones for exhibition and interaction, where recycling stations were placed so that the audience of the tournaments could deposit used balls and other PVC/PET products in exchange for beautiful and exclusive gifts.

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Are Longi products safe? Ensured all products we provide are secure and reliable. By the end of the reporting period, all LONGi component products have been certified to the IEC 61730 PV module safety certification. There were no product recalls during the reporting period. Customer satisfaction score increased from 4.51 to 4.80 out of 5 by the end of the year.



In 2020, China announced that it will strive to bring its carbon emissions to a peak before 2030 and become carbon-neutral before 2060. It noted that China will further transform its energy consumption structure by promoting the wider use of clean and renewable energy and build a New Energy-dominated Power System, as PV power playing an increasingly important role in ???



The LONGi team is committed to providing innovative products and solutions that help make the world a healthier, safer and more sustainable place. We value our role in the global business community and honor our obligation to pursue the highest standards of environmental, social and corporate governance.



Green Future. The sunshine travels 149 million kilometers and offers the planet infinite energy as a gift from nature to mankind. LONGi always focuses on the innovation and application of solar energy technology, sparing no effort to "Utilize Sunshine, Create a Green World" for mankind.



1 ? At COP28 held last year, LONGi released a number of initiatives including "Green Power" + "Green Hydrogen", and released the "2023 LONGi Green Energy Climate Action White ???

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San Francisco, 15th November 2023 ??? The 2023 APEC CEO Summit was held on November 15 at the Moscone Center West in San Francisco, California. Leaders including Li Zhenguo, founder & president of LONGi Green Energy Technology Co., Ltd. (LONGi), the world leading solar technology company headquartered in Xi'an, China, and Dara Khosrowshahi, ???



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



Under its mission of "Utilizing Solar Energy, Building a Green World" and brand philosophy of "Steadfast and Reliable Technology Leadership", 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



Founded in 2000, LONGi is committed to being the world's leading solar technology company, focusing on customer-driven value creation for full scenario energy transformation. 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



"Today, the cost of energy storage ??? at 10 cents/ kWh - is one-third of what it was ten years ago. With the advancement of technology, we don't need another 10 years to reduce the current cost of energy storage by another one-third. We are certain that "Photovoltaic + Energy Storage" will become the ultimate solution for future energy."

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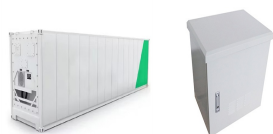
Supported by flexible energy storage and other advanced technologies as well as innovative policy mechanisms, efforts can be made to optimize the actual load demand and integrate the power supply and grid resources in a safe, green, and efficient manner. This will create a new mode of power generation and



LONGi Sustainability Report 2023. Established in 2000, LONGi Green Energy Technology Co., Ltd. is headquartered in Xi'an, Shaanxi Province. With a vision to "To be the most compelling solar technology company by leading the world's transition to green energy", the company is dedicated to making clean energy affordable and accessible worldwide.



Recently, LONGi Green Energy Technology Co., Ltd. (hereinafter referred to as "LONGi") published a research paper titled "Perovskite-silicon tandem solar cells with bilayer interface passivation" online in the journal Nature as the first corresponding author. The paper publicly reported the research results of breaking through the efficiency limit of single-junction ???



DUBAI, United Arab Emirates, December 3, 2023 ??? LONGi Green Energy Technology Co., Ltd. (LONGi), a global leader in solar technology, today shared the company's groundbreaking strategic vision to implement energy equity in partnership with NGOs, non-profits, and other humanitarian aid organizations at COP28. This initiative also advances the ???



Global High-Performance Building Solutions Provider Kingspan Joins Forces with Leading Solar Technology Company LONGi. Xi'an, China, July 16th 2024-Kingspan Group plc (Kingspan), a global leader in high-performance building solutions and the world-renowned solar manufacturer LONGi Green Energy Technology Co., Ltd. (LONGi) have jointly ???

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LONGi Green Energy Technology Co., Ltd. was established in 2000 and is committed to becoming the most valuable solar energy technology company in the world. Click and learn more about LONGi. LONGi supports the "Solar for Solar" business model. While creating low-cost clean energy products for the world, the company uses clean energy and



With the goal of safety, green and high efficiency, Longji source network load storage integration innovates the power production and consumption mode, explores the development path for building a new generation power system with high integration of source network load, and realizes the deep coordination of source, network, load and storage.



LONGi announces the new world record efficiency of 30.1% for the commercial M6 size wafer-level silicon-perovskite tandem solar cells. Munich (Germany) 19th June?????The world-leading solar technology company, LONGi Green Energy Technology Co., Ltd. (hereafter as "LONGi"), officially announced the new world record efficiency of 30.1% for the commercial M6 size ???



LONGi Announces Participation in COP29 in Baku, Azerbaijan. Xi'an, China | November 8, 2024- LONGi Green Energy Technology Co., Ltd. (hereinafter referred to as "LONGi"), a leading player in the renewable energy sector, is proud to announce its participation in the 29th Conference of the Parties (COP29) to the Uni



LONGi always stands at the forefront of solar photovoltaic technology, focusing on bringing better and sustainable value innovation to customers. Every time upgrade our technology, we lead the technological transformation of the photovoltaic industry and promote global energy transformation and green development.

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LONGi supports the "Solar for Solar" business model. While creating low-cost clean energy products for the world, the company uses clean energy and green manufacturing practices in its operations whenever possible. LONGi plans ???



Shanghai,China- June 14 th - On June 14th, at the highly anticipated 2024 SNEC Expo in Shanghai, LONGi Green Energy Technology Co., Ltd. (hereinafter referred to as "LONGi ") announced a major breakthrough in the development of its silicon-perovskite tandem solar cells.. According to authoritative certification by the European Solar Test Installation ???



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Energy Storage Energy Efficiency New Energy Vehicles Energy Economy Partners With UN Agencies 14 Dec 2023 by devx Longi Green Energy and UN collaborations LONGi Green Energy Technology Co. Ltd., the world's leading solar PV manufacturer, unveiled numerous significant collaborations and projects during the United Nations Framework



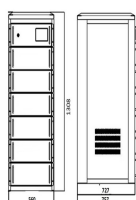
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Speech by Mr. Li Zhenguo, President of LONGi Group. The launch of Germany's Renewable Energy Act or EEG (German: Erneuerbare-Energien-Gesetz) in 2004 opened the door for renewable photovoltaic energy and contributed substantially to the development of the global photovoltaic industry. Cumulative photovoltaic installations in ???



LONGi is committed to building the world's most valuable solar energy technology company. It continues to focus on energy innovation to form the "green electricity + Green hydrogen" service capability supporting global zero carbon development.



October 23rd, 2024 - LONGi Green Energy Technology (Hereinafter referred to as LONGi) officially announced a new world record for crystalline silicon module efficiency. According to the latest certification report from the Fraunhofer Institute for Solar Energy Systems ISE in Germany, the efficiency of the HPBC 2.0 module independently developed by LONGi has reached ???



With PV as the main generation source, a complementary power supply system consisting of wind, hydro, thermal and other power types can be integrated with battery energy storage and pumped storage, resulting in a more reliable, sustainable and stable supply of green power.



2MW / 5MWh  
Customizable

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