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"China will scale up its Intended Nationally Determined Contributions by adopting more vigorous policies and measures. We aim to have CO2 emissions peak before 2030 and achieve carbon neutrality before 2060."

-President Xi Jinping at the UN General Assembly in September 2020

Goal for 2030-2060
China behaves as the major country of the globe

Over the past 100 years, with the excessive consumption of fossil energy, carbon emissions have brought the conflict between humans and nature to the brink of danger.

Deep decarbonization is a matter of urgency.

From the 2015 Paris Agreement to now, 70% of countries on the global energy map have announced their carbon neutrality commitments.

In order to survive on this planet, carbon neutrality has become a global consensus for human beings to fulfill.

The task of carbon neutrality is arduous, and the energy revolution is an irresistible trend. Fortunately, we have found a solution today.

The energy used by human beings has gradually transformed from carbon-based energy represented by firewood, coal and oil to silicon-based energy represented by photovoltaic.

The whole world is on the path of energy transformation by replacing the carbon energy with silicon energy.



Note: a portrait of Mr. Jiang Longji

"When I start my own business, I will name the company LONG-JI!"

In 1986, Mr. Li Zhenguo and Mr. Zhong Baoshen, among other students, were enrolled in Lanzhou University. Their very first orientation event for freshman-year students were held in front of the statue of Mr. Jiang Longji. These young students were all deeply touched by the outstanding journey of late President Jiang Longji, and Mr. Jiang's stories were like the seeds of dreams that took root in their hearts.

There were students from Lanzhou University who were motivated to use the name of Mr. Jiang Longji, the former president of the university, as the name of their companies when they started their own business.



When drinking water, think of its source. We must respect the education pioneers. Being pragmatic and reliable is the essence of the LONGi spirit.

Mr. Jiang Longji, a renowned educator in China, who devoted his life-long commitment to education in China. In 1952, Mr. Jiang Longji was appointed as the Vice President of Peiking University (also as Secretary of the Party Committee of the PKU later) to assist Mr. Ma Yinchu,

the PKU President at the time.

In 1959, he was appointed the President of Lanzhou University.

During his seven years at Lanzhou University, he insisted on pursuing his education ambition amid rather harsh circumstances. It was because of his efforts, this higher education institute in China's northwest had enjoyed its first "Golden Age" of development.





Brand Story: Faithful and Dedicated

"Make quick money" or "stick to the essence of technology"?

The essence of the photovoltaic industry is to continuously reduce LCOE. If product efficiency cannot be improved, there would be futureless for the PV industry. The optimal way to support that argument is to use monocrystalline silicon. At that time, the market was very enthusiastic about PV products. Coupled with the low technical threshold of polysilicon, many companies chose to use polysilicon equipment and expand production capacity in pursuit of "quick money". LONGi Green Energy, however, always believes that as the efficiency of solar cells continues to improve, the industry's requirements for basic materials will inevitably become higher and higher, and low-end materials will not be able to support high-performance products by then.

LONGi Green Energy adheres to the first-principles. The company hopes to discover the very nature of all things with very futuristic perspectives.

LONGi Green Energy shall never blindly follow or choose technological path without cautiously review and discussions on a strategic level, and LONGi Green Energy will insist on what it chose once its determination is made.

• 2006

LONGi gave up the business of silicon material processing and semiconductor, focused on the solar photovoltaic business, and chose the "mono-crystalline" technology path after researches and discussions from a strategic perspective. LONGi abandoned the proposal of using polysilicon cast ingot as a supplement.

• 2015

LONGi had selected the PERC technology path to continue its improvements on the conversion efficiency based on technical analysis.

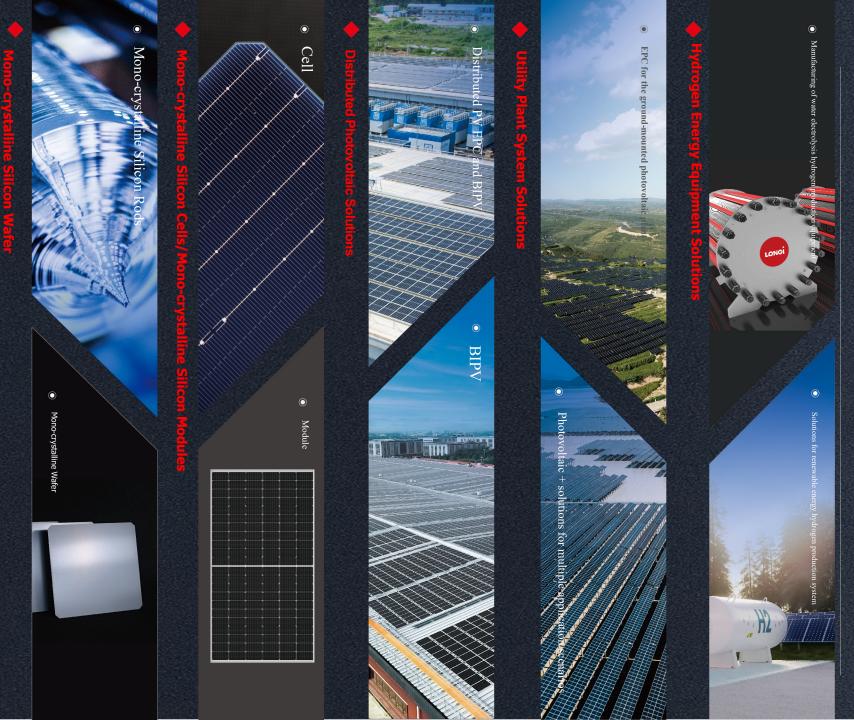
• 2016

LONGi improved the power generation capacity by integrating the bifacial technology to the PERC technology after multiple tests verification.



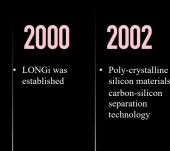
Business Introduction

LONGi takes "To make the best of solar energy to build a green world." as its mission and "The most trusted, reliable solar company that blazes the trail for green technology." as its brand positioning. Concentrated on science and technology innovations, LONGi is developing its five business sections covering the mono-crystalline wafers, cell and module, industrial and commerce PV solutions, ground PV solutions, and hydrogen equipment to support the "Green power green hydrogen "products and solutions for achieving a zero carbon development scenario across the world.



Leading Transformation

From the accumulation of semiconductor technology to the promotion of the return of mono-crystalline silicon to the mainstream, to the official proposal to use solar energy technology to change the earth's ecology, LONGi has witnessed the development and changes of the PV industry and led the direction of energy transformation along the way.



· Achieve annual ingots

2005

production capacity of 30 tons of silicon

2006

route from a strategic

perspective

 Determined to choose PV as core of business Focused on monocrystalline technical

2012

· Listed at Shanghai Stock Exchange

2013

Production and sales of mono-crystalline silicon wafer ranked No.1 in the world

RCz technology

Diamond slicing technology for wafers

2014

· Entered cell and module sectors

· Shipment of monocrystalline cells and modules topped the world

2016

· Invested and deployed production capacity in Yunnan, China and Kuching

· Used clean energy to produce clean energy products

2018

· LONGi's market value topped all other competitors

LONGi proposed "Solar for Solar" development model

Set out in hydrogen industry and carried out strategic researches

2019

· LONGi's global market share of mono-crystalline products reached to 72% in 2019 from 20% in 2014

2020

· LONGi joined the Climate Group's initiatives of RE100, EV100 and EP100, and Science Based Targets initiative (SBTi)

 Proposed the "Zero-carbon Solar Products" initiative

· LONGi became the PV solution supplier for the China Pavilion at the Expo

2021

- · LONGi officially entered hydrogen energy field and provided solutions of "Green hydrogen"
- · Seven new cell efficiency world records in one year



crystalline products and technical revolution

Lead the PV industry for upgrade and evolution



olar technology to boost energy transition

Development Milestones

The first
Ingot plant
Zhongning Monocrystalline Plant

2009

The first

Wafer plant

Xi'an Wafer Slicing Plant 2015

The first

High efficiency module

Hi-MO

The first

Module plant

Quzhou Module Plant

2016

The first

Cell plant
Taizhou Cell Plants

The first

Clean energy production base powered by clean energy

Lijiang Mono-crystalline Plant

The first

Overseas plan

2020

The first

BIPV product

LONGi Roof introduced 2020

2021

LONGi Hydrogen Energy established

Global Deployments

LONGi has built multiple production bases in several countries and regions, including China, Vietnam and Malaysia. LONGi has set up branches in many countries including the USA, Japan, Germany, India, Australia, the United Arab Emirates and Thailand, etc., with business covering over 150 countries and regions.



Global production bases 1 Jiangsu Taizhou and Wuxi 2 Bắc Giang, Vietnam Zhejiang · Quzhou and Jiaxing Anhui · Hefei and Chuzhou Shanxi-Datong Ningxia-Yinchuan and Zhongning Yunnan Baoshan, Lijiang, Chuxiong, and Tengchong Global sales & marketing service centers 1 Xi'an, China 2 Shanghai, China 3 Tokyo, Japan 4 New Delhi, India 5 European Sales & Marketing Service Center 6 European Sales & Marketing Service Center 7 Sydney, Australia 8 San Ramon, USA 9 São Paulo, Brazil Global logistics hubs 1 Rotterdam, Netherlands Hakata, Japan 3 Tokyo, Japan 4 Carson, USA 5 Tracy, USA 6 New Jersey, USA 7 São Paulo, Brazil

Technology-led

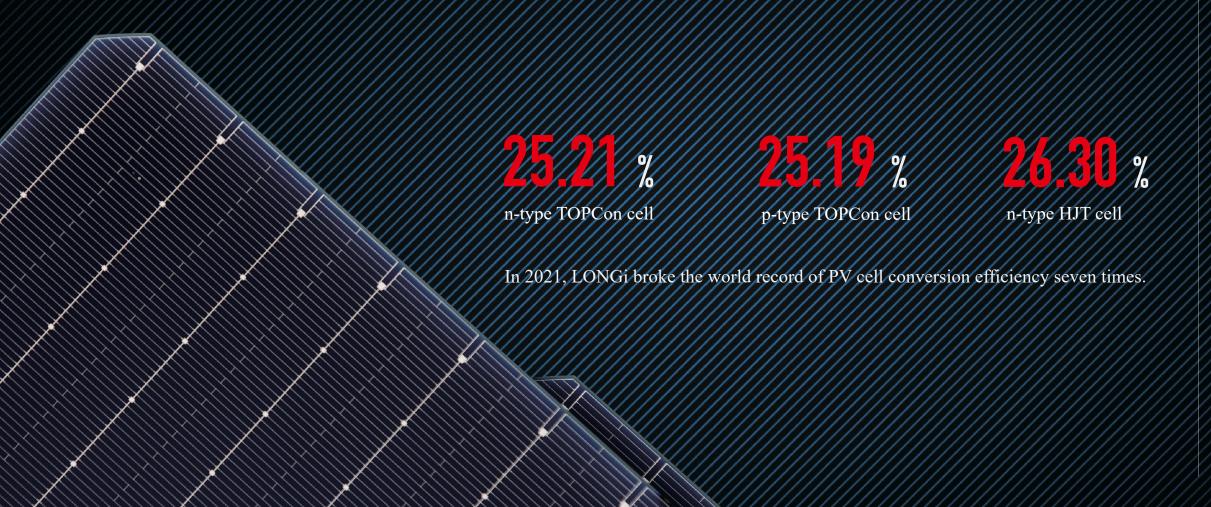
Every technological innovation of LONGi has become a guiding light of the industry, helping to build a new type of safe and reliable power system.

LONGi's technological innovation will be rapidly transformed into advanced production capacity on a large scale and will be promoted and applied among customers, which continuously brings down LCOE.



Technology-led

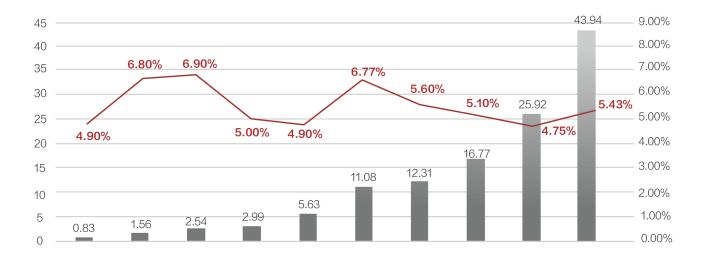
LONGi focuses on driving continuous development of the PV industry by promoting the rapid application of new technologies and processes to production.





By the end of 2021, LONGi Green Energy had cumulatively invested more than RMB 12.3 **billion** in R&D within 10 years, topping the photovoltaic industry, and obtained a total of 1,387 patents.































Value-led

The first company in the photovoltaic industry to receive this honor

RETC

Nine perfect scores in RETC and being High Achievers in successive years

LONGi Green Energy was awarded the High Achievers Award in RETC for the third consecutive year, which validates LONGi's long-term leading position in technology research and development



Top Performer by PVEL for the last five years in a row

Six indexes rated
"Excellent" have verified the excellent performance and long-term reliability of the LONGi module again.

solar award

The only module manufacturer awarded the 2021 Intersolar award

The most authoritative prize for solar photovoltaics, which can be called one of the highest awards in the photovoltaics industry



All Quality Matters (AQM) Award by TÜV

High-efficient modules such as Hi-MO 4 and Hi-MO 5 of LONGi have won the Outdoor Energy Yield AQM Award (Mono-facial Group) and Energy Yield Simulation Award AQM Award (Bifacial Mono-crystalline Group) respectively.

Reliable Products

Taking product quality reliability as the inner core and the client value improvement as the driven force

Focusing on safety and economy to ensure the operation of the new electricity system

Ensuring product reliability and economy to provide long-term value for PV power stations

Trusted, Reliable and leading technology

Ensuring the affordable and sufficient photovoltaic power supply required by the new electricity system

○ Full-scenario reliability system

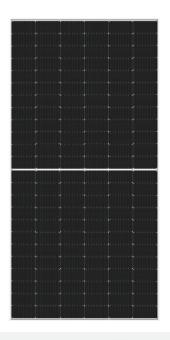
More strict module design and raw material selection to suit the full-scenario applications

○ Full-life circle of the power station

Providing professional and trusted integrated system solutions for products and power stations

\bigcirc Low-carbon management for highly-efficient products

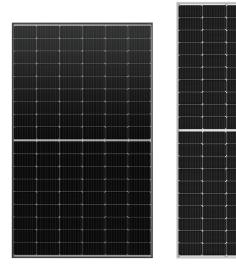
Green management throughout the full-life circle and improving low-carbon benefits for photovoltaic systems



Hi-MO 5

Utility - large ground power station





Hi-MO 5

Hi-MO 4 4m 60c/72c

Distributed - industrial and commercial & residential roof









Focusing on client value

Technical dimension

Multi-dimensional technical benchmarking to ensure the leading position in the industry

Quality management dimension

Systematic, reliable, intelligent, and information-based

Product experience dimension

Customer perception improvement and quality brand value transmission

Low-carbon dimension

The creative concept of green and low-carbon products

More than 10

marketing service outlets (covering APAC, Europe, America, MEA&CA and other regions) Nearly 300

technical services for customers' large projects in 2021 More than 60 More than 20

on-site services of installation, maintenance, and training

vicita to now

visits to power stations across provinces

By December 2021, the international footprint of customer service outlets of LONGi has been finished.

2020

Robust Finance

LONGi Green Energy is convinced that the best product quality warranty is that "the longevity of the enterprise should be longer than that of its products".

LONGi has maintained an industry-leading financial performance and joins hands with customers and partners in the long run.

RMB 80.932 billion Operating Income

1000

900

300

200

RMB **97.735** billion Total assets

51.31%





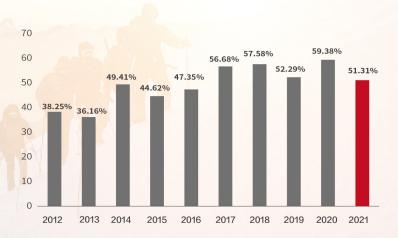
In September 2020, LONGi Green Energy was listed in the FTSE CHINA A50 INDEX.



The only AAA bankability enterprise for modules by PV Tech.



The most robust financial indicators in the world by BNEF 100% bankability module brand by **BNEF**



Financial Data Statistics of LONGi from 2012 to 2021

Note: The data is from the 2021 Annual Report of LONGi Green Energy.

Total assets (RMB 100 million

2015

Note: The data is from the 2021 Annual Report of LONGi Green Energy

LONGi's asset ratio from 2012-2021

Asset liability ratio

In December 2019, LONGi Green Energy was listed in the SSE 50 Index Sampling Stocks.

In 2020, LONGi Green Energy was

long term credit by United Ratings.

granted with AAA grading for its

Robust Growth of Brand Value Steady Improvement of Brand Influence

In the ranking of Chinese Enterprises' Brand Value released by China Council for Brand Development in 2021, LONGi Green Energy hit a record high again with a brand value of RMB 40,216 billion and a brand value strength of 864, ranked the first in solar industry in China and the seventh in the world among the energy and chemical manufacturing enterprises.

China's brand value evaluation for 2021

China Council for Brand Development

China Appraisal Society

SASAC News Center



State-owned Assets Supervision and Administration Commission of the State Council News Center

Awarded the Annual Best Employer of China for 2021 and Annual Employer Who is of Most Sustainable Development

— Forbes

Top 500 global new energy enterprises for 2021 (listed for 7 consecutive years)

— China Institute of Energy **Economics Research**

One of the Top 50 Enterprises That are Most Innovative in China for 2021

— Forbes

Ranking 365 in China's top 500 enterprises

— China Enterprise Confederation



Ranking 42 in the future global top 50 for 2021 — Fortune

Ranking 176 in China's top 500 private enterprises — All-China Federation of Industry and Commerce

Ranking 172 in China's top 500 manufacturing enterprises

— China Enterprise Directors Association

Core values

Reliability, Value-add, Fulfillment

Innovation-driven development, value created by reliability. This is always the faith of LONGi staff!

Reliability

Provide reliable products and services for customers; be a reliable corporation for customers, employees and other stakeholders; and be reliable people.

Value-add

Provide customers with highly cost-effective products and high value-added services; offer continuous growth to employees; constantly create value for other stakeholders.

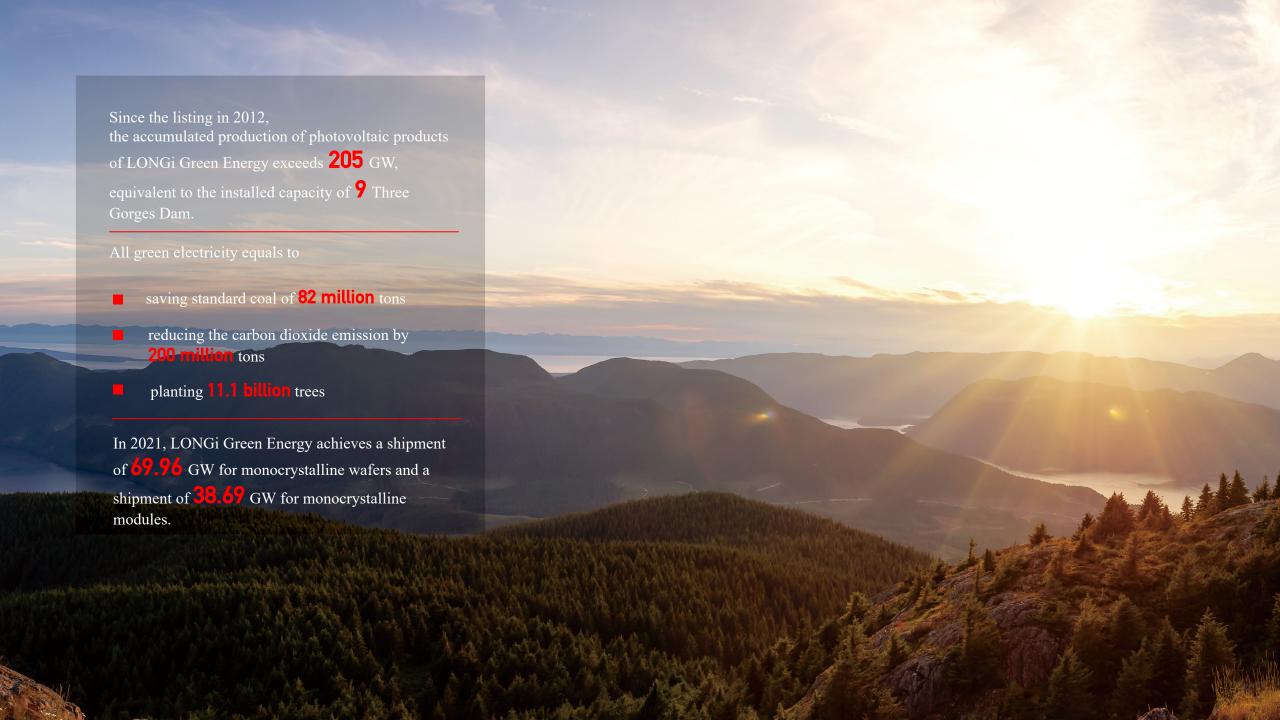
Fulfillment

Care about customers' feelings and get along with them with a humble, respectful, friendly and cooperative attitude;

Respect employees and pay attention to sharing and communication and be dedicated to making the atmosphere of "LONGi family" featuring trust and inclusiveness; respect stakeholders in a frank and friendly manner.

Mr. Li Zhenguo, president of LONGi Green Energy, said, "the entry of LONGi into the four international initiatives is a key step to drive LONGi to achieve 'net-zero photovoltaic and making in LONGi' and also an important measure to achieve carbon neutrality." We believe that when the whole industry chain of photovoltaic can achieve clean energy driving and net-zero manufacturing of "Solar for Solar", the mass applications of solar power generation can not only achieve the carbon neutrality goal but also provide clean power for ecological restoration behaviors such as the desalination of seawater and water resources transportation through the photovoltaic manufacturing, to reduce the carbon to zero and create a green world! Promoting energy transition and the green development of using clean energy to produce clean energy products are a firm pursuit of LONGi.





LONG

Sustainable Wisdom

Adhering to green development, proposing Solar for Solar net-zero prospect, promoting environment improvement and climate ecological restoration, and realizing the sustainable development of all mankind.

Sustainable Technology

Steering energy evolutions, continuously reducing the LCOE, providing customers with reliable returns, and providing economic clean energy for everyone.

Sustainable Operation

Adhering to robustness and reliability, pursuing the balance of economic benefits and social responsibilities, harmonious coexistence between enterprises and the environment, and making the world better.

"Solar for Solar" Shapes "Carbon Negative Planet" in the Future

In 2018, Mr. Li Zhenguo, president of LONGi Green Energy, proposed the concept of "Solar for Solar" which aims to use clean energy to produce clean energy products and create net-zero photovoltaics to help ecological restoration on earth and sustainable development of mankind.

■ Initial Development Stage of "Solar for Solar"

"Using clean energy to produce clean energy products". LONGi started to build plants in Yunnan Province of China and Kuching in Malaysia in 2015 by using local clean and abundant hydropower to manufacture photovoltaic products.

1 kWh hydropower can be magnified 50 times through PV products and then delivered to the global market. PV therefore becomes the "Magnifier" and "Carrier" of clean energy.

■ Ultimate Development Stage of "Solar for Solar"

In the future, the mass applications of solar power generation can be used in the desalination of seawater and be used in irrigation in desert areas. When 70% of the deserts on the earth is turned into the oasis, all carbon emissions released from the development course of the human being can be absorbed, and the earth would become the true negative carbon development.



Actions for Sustainable Development



Releasing the social responsibility report or sustainable development report for five consecutive years. Mr. Zhong Baoshen, board chairman of LONGi Green Energy, pointed out that development driven by innovation and value created by reliability are always the faith of LONGi staff!

2019

Participated in CBCC Chinese enterprise climate action and ioined the United Nations Global Compact

2020

Became the only Chinese enterprise to join RE100, EV100 and EP100 initiatives and SBTi initiative

2021

Released the first Sustainable Development Report of LONGi Green Energy and White Paper on Climate Actions of LONGi

Established the first "net-zero plant" of LONGi in Baoshan, Yunan Province

Nominated for the 4th China Quality Award and became the first company in the photovoltaic industry to receive this honor

2018

Proposed the "Solar for Solar" concept on the 24th UN Climate Change Conference

2017

Donated PV power stations to Peking University and Yunnan Huaping High School for Girls

2016

Invested and deployed production capacity in Yunnan, China and Kuching to use clean energy to produce clean energy, products

2000

LONGi was established

Entered the photovoltaics industry and

route

focused on mono-

Set up the LONGi One Percent Foundation in crystalline technical the Red Cross Society of China.

2010

Listed at Shanghai Stock Exchange

China's first diamond slicing technology for wafers

September 30, 2019

LONGi Green Energy joined United Nations Global Compact (UNGC).

June 16, 2020



Founder & President Li Zhenguo was invited to the UN Global Compact 2020 Summit.

September 27, 2020

President Li Zhenguo responded to the appeal of the UNGC and signed Global Statement for Commercial Leaders Reshaping

June 15, 2021



UNGC Leaders Summit for 2021

Mr. Li Zhenguo, founder and president of LONGi Green Energy, was invited to be present at the UNGC global summit and give a speech on the topic of how to construct a digital silk road through cooperation and help achieve carbon neutrality and future at the summit.



November 4, 2021

The 26th UN Climate Change Conference (COP26)

President Li Zhenguo was present at the COP26 special activity of LONGi through videoing and released LONGi's first White Paper on Climate Actions, showing LONGi's promises and actions in coping with climate change. Therefore, LONGi became one of the enterprises that took the lead in releasing the White Paper on Climate Actions.





LONGi actively responds to the global climate changes and initiated the world's first "Net Zero Solar" concept

LONGi joined SBTi global initiative and submitted the commitment letters.

LONGi had initiated carbon reductions with green supply chain in the solar industry to facilitate low carbon economic development and realizations of climate goals.

LONGi joined the initiatives of RE100, EV100, and EP100 from the Climate Group, and fulfills its commitments for the entire society.

SBTi

SBTi: LONGi promises to reduce greenhouse gas emissions within its operation scope by 60 percent by 2030 and will reduce carbon emission intensity of silicon per ton, cell per watt, and glass per ton, which will be purchased in 2030, by 20 percent compared to that of 2020.

RE100

RE100: LONGi promises to achieve the use of 70% renewable power by 2027 and the use of 100% renewable power by 2028.

EV100

EV100: In the coming 10 years, LONGi will install adequate power charging facilities for vehicles to encourage the employees to change family vehicles into electric vehicles.

EP100

EP100: LONGi has committed to completing its energy management system (EnMS) by 2025, as well as a 35% energy efficiency improvement in 2025 from the 2015 level.

Implement Social Responsibility

LONGi One Percent Foundation

"LONGi One Percent Foundation" was registered at the Red Cross Society of China in 2010. The foundation adheres to the concept of "one percent of the donation, one hundred percent of change". Since its founding, LONGi One Percent Foundation supported the reconstruction of Yushu Tibetan Autonomous Prefecture in Qinghai Province after the strong earthquake, cured children with congenital heart diseases in Tibet, and provided a grant for students in Lanzhou University for 10 consecutive years.

PV Poverty - Alleviation

LONGi had supplied approximately 1 GW high-efficiency PV modules to the poverty alleviation projects in China by the end of December, and the benefits have been delivered to 350,000 households suffered from poverty.

Combating the COVID-19 Pandemic

After the outbreak of the COVID-19 Pandemic in 2020, LONGi had announced a 26 million yuan donation till the end of 2021.

Flood control and disaster relief

On July 24, 2021, LONGi Green Energy declared to donate 15 million Yuan as the support to disaster relief and restoration works in the hardly hit areas by the rain storm in Henan Province.

Case of community development

LONGi provided the Chamalire School in Malawi with 7200Wp distributed photovoltaic power generation panels, which were used for power generation on roofs of teaching buildings, dormitories, administrative buildings, and teachers' houses in the school. LONGi provided electricity and lighting for the local village and school and provide a guarantee for the life of the villagers and the night walk of students.

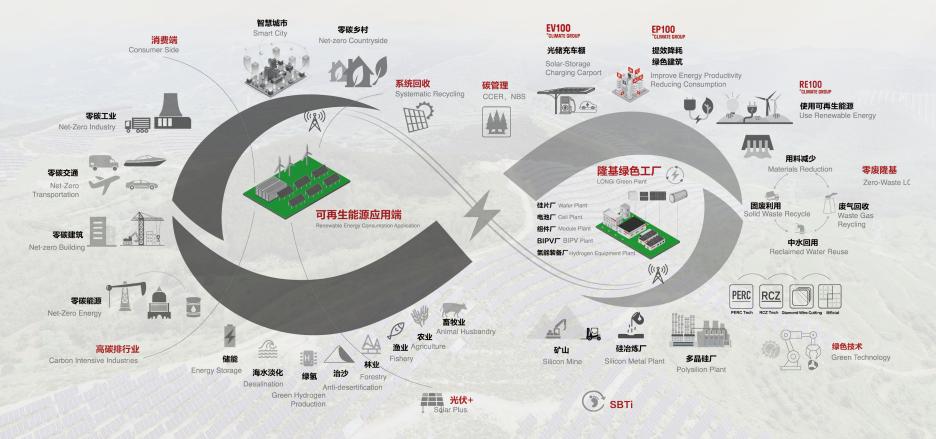
Case of education support

LONGi, together with its partner PowerTech, donated 20.2KWp high-efficient reliable photovoltaic modules for Vo Thi Sau high school in Vietnam's Con Dao for the construction of the distributed photovoltaic power station on the roofs of school buildings.

Case of village revitalization

Selenium enrichment industrial park is a key leading economic industry of Baijia Village, Qinghai. With the coordination of the villager's committee, the selenium enrichment industrial park of Baijia Village installed 304 modules of LONGi's Hi-MO 4 series and another 60 modules of 360W with a total capacity of 109.44KW. It is estimated that the accumulated annual power generation will exceed 175,000 KWH. The annually direct economic benefits can reach RMB 62,000 and the economic benefits created in 20 years will exceed RMB 1.24 million.

Create a sustainable ecological system to achieve the vision of a "net-zero world"



Lucid waters and lush mountains are invaluable assets. To construct ecological civilization and a beautiful China, LONGi will create a better home with you.



THANKS

LONG

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