

Providing our world with the most economical, endless, and most sustainable clean energy solutions.
Revolutionizing our global energy generation and consumption model.
Redefining our global energy mix and energy strategy.

Let the future be what we envision it to be

Solar **Jinko** **MAGAZINE**

4th Edition of 2021



Q2 Financial

JinkoSolar (JKS) total solar module shipments hit a new high in the first half of 2021.

10.56 GW

JinkoSolar (JKS) total solar module shipments hold the lead

457.4%

The net profit margin increased by 457.4% the prior month

5 LEADING ADVANTAGES OF THE NEXT-GENERATION MAINSTREAM

N-TYPE TOPCON

1. Higher cell efficiency

24.5%

Mass Production Efficiency

The application of Hot 2.0 technology has contributed to a new breakthrough in N-type cells, and the efficiency of mass-produced cells can reach 24.50%.

28.7%

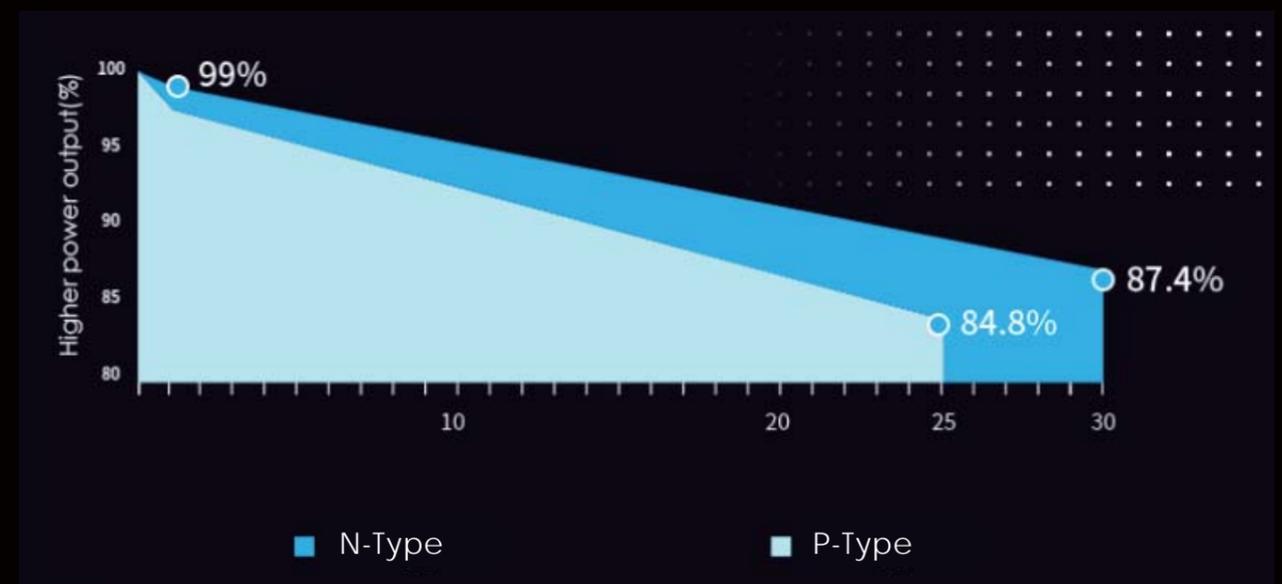
Higher Efficiency Limits

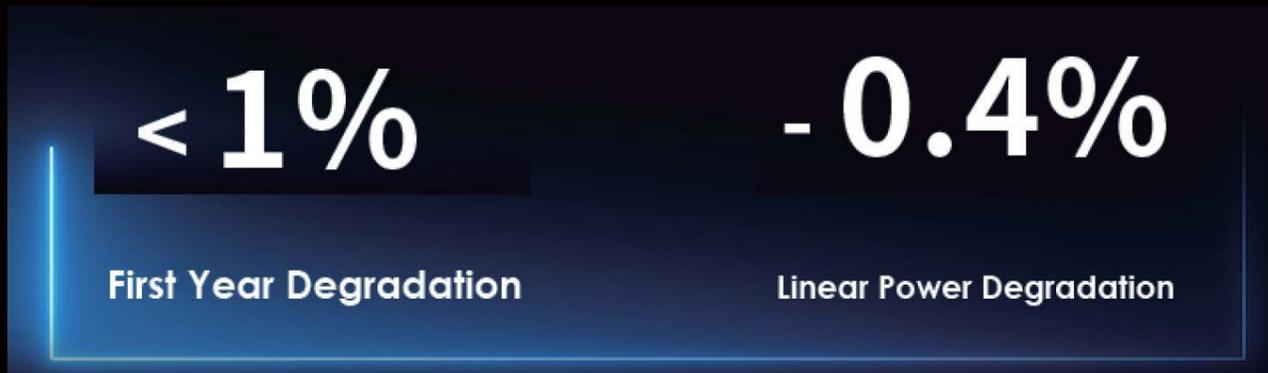
Topcon cells have higher efficiency limit (28.2%~28.7%), much better than PERC cells .

2. Lower Degradation

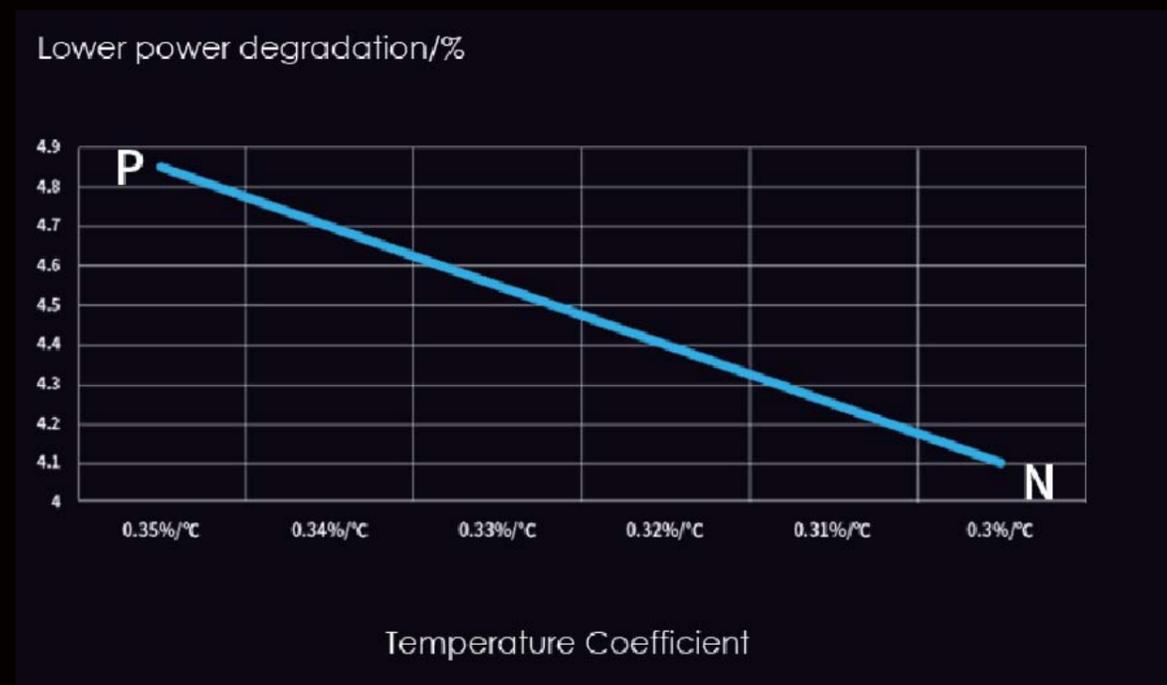
Light Induced Degradation (LID), a loss in the B-doped p-type silicon solar cell efficiency is observed during initial light soaking. B-O complex activated by excess injection of illumination has indicated the root cause since the B-O complex captures bulk minority electron as recombination center. Even hydrogenation cannot passivate B-O complex defects totally.

N-type cell was made from phosphorus doped substrate, which implies no B-O related LID and almost no degradation by initial illumination.



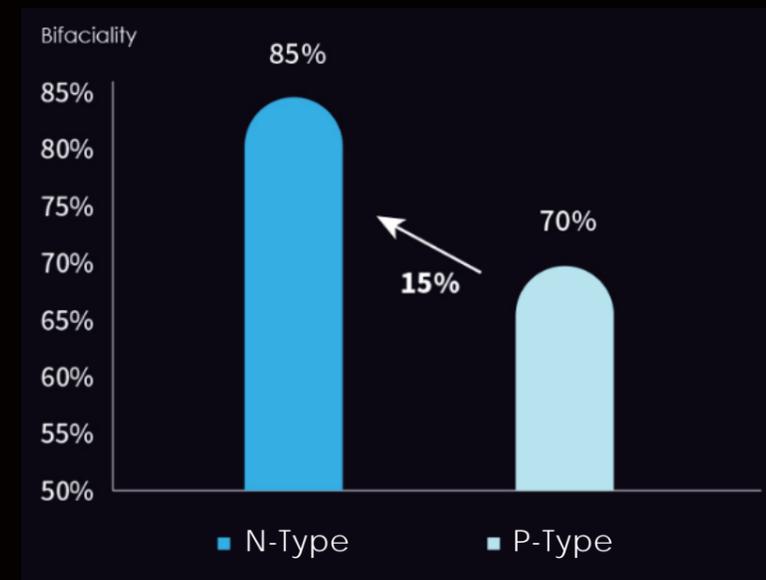


3. Lower Operating Temperature



Tiger Neo module has a lower temperature coefficient of $-0.30\%/^{\circ}\text{C}$ comparing with $-0.35\%/^{\circ}\text{C}$ for p-type, which makes it stand out particularly in high temperature environment. Its low light performance and small irradiance angle prolongs working time of panel during a day. Combining the advantages of low temperature coefficient, low degradation and high bifaciality rate alone, energy yield is 3% higher than that of mainstream P-type bifacial modules.

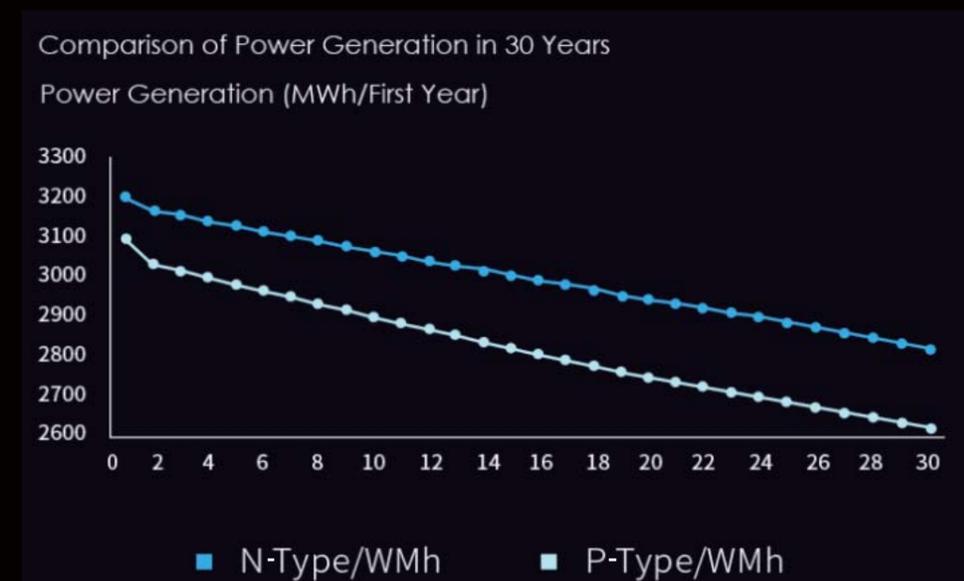
4. Higher Bifaciality



N-type bifaciality of up to 85% is also a plus, about 5% - 15% higher than that of conventional p-type bifacial, which also enhances its power generation capacity and power generation efficiency.

5. Higher long term power generation

The comprehensive advantages of higher conversion efficiency, lower temperature coefficient, lower power degradation, and low light performance will make the power generation of N-type cells higher than that of P-type cells during the whole life cycle. If the production cost of N-type cells and modules is the same as that of P-type cells and modules, the BOS cost of the power plant will be lower. Coupled with higher power generation, it makes the LCOE of N-type modules lower.





JinkoSolar and CATL Signed Strategic Cooperation Framework Agreement

JinkoSolar announced that it has held a strategic cooperation framework agreement signing ceremony with Contemporary Amperex Technology Co., Ltd. (CATL). According to the agreement, the two parties will establish a long-term, stable and solid strategic partnership in areas such as global solar-plus-storage business development, the joint promotion of carbon neutrality of the industrial chain, and the joint innovation and development of solar-plus-storage integrated solutions.

JinkoSolar and PowerChina Held the High-level Talks in Beijing

JinkoSolar and Power Construction Corporation of China(PowerChina) held the high-level talks in Beijing. The two parties had deep conversations about topical issues□ developments of alternative energy, international market cooperation, solar module manufacturing and supplies, supply chain management trends ,etc. JinkoSolar and PowerChina will make full use of their respective advantages to jointly explore the domestic and abroad markets in alternative energy□ equipment supplies and the R&D.The two parties jointly promoted the solar module for scale application to help achieve carbon peak and neutrality goals.

JinkoSolar’s subsidiary Signs Long-term Supply Agreement with Wacker for over 70,000 Metric Tons of Polysilicon

JinkoSolar has signed a long-term polysilicon supply agreement with Wacker Chemie AG (“Wacker”). According to the agreement, Wacker will supply over 70,000 tons of polysilicon to Jinko Solar Co., Ltd. from September 2021 to December 2026.The purchase price will be decided based on the market price. Wacker will reserve the agreed capacity to Jinko Solar Co., Ltd. and supply polysilicon from its production sites in Germany and the United States.





In response to the peak electricity price mechanism, JinkoSolar and Guoxuan Hi-Tech signed a strategic cooperation agreement

The two parties will work together to develop the global solar energy storage market and provide customers with one-stop, comprehensive solutions, in order to take the initiative to serve the construction of a new type of power systems with clean energy.

Committed to the new practical applications of BIPV solutions, JinkoSolar has established a strategic cooperation with the Dujing Institute of Tongji Institute of Architectural Design.

JinkoSolar announced that it has signed a strategic cooperation framework agreement with the Dujing Architectural Design Branch of Tongji University Architectural Design and Research Institute (Group) Co., Ltd., and will carry out multi-dimensional cooperation in the field of BIPV, integrating JinkoSolar's high-efficiency BIPV products, and combining the zero-carbon design concept of Tongji Dujing Institute's modern buildings with projects as the carrier, through project research, engineering design, product development, marketing, demonstration projects, etc., to promote zero energy consumption, functionality, ecological photovoltaics as well as the BIPV industry in general.

JinkoSolar and Longyuan Power held high-level discussion to develop new energy blueprint

JinkoSolar and Longyuan Power conducted in-depth communication on clean energy development throughout the county, the integrated development of solar and Wind/solar hydrogen storage, the "Belt and Road" international cooperation, and the carbon market, and reached strategic cooperation objectives. In the future, the two parties will join forces to form domestic and global connection. Products, technologies, projects, and resources would be exchanged. Communication on "The Belt and Road" international cooperation, carbon market and other fields was also focused to carry out actual project, and jointly create a full-dimensional operational model of solar energy, generate clean energy in order to contribute to China's goal of achieving carbon neutrality, taking the responsibility of the utilization of renewable energy as well as promotion of the global clean energy transition.

JinkoSolar and State Grid Liaoning Integrated Energy Service Co.,Ltd signed a strategic cooperation agreement

JinkoSolar announced that it has signed a strategic cooperation agreement with the State Grid Liaoning Integrated Energy Service Co., Ltd, which includes three major aspects of equipment procurement and sales, clean energy services and the industry cooperation strengthening. Through this strategic cooperation, the two parties will work together to help the implementation of the dual-carbon goals, and thereby achieve a long-term comprehensive strategic partnership.

JinkoSolar Announces Strategic Cooperation Agreement with Maersk Shipping for End-to-end Transportation and Digitalized Logistics Solutions

JinkoSolar has signed a strategic cooperation agreement with Maersk (China) Shipping Co., Ltd. ("Maersk"). The two companies will jointly conduct multi-dimensional cooperation based on existing end-to-end transportation agreements, and explore in-depth cooperation in digitalized logistics services to provide clients with a range of comprehensive logistics solutions, and to create a green logistics ecosystem.

JinkoSolar and Hefei Municipal Committee reached strategic cooperation objectives

Kangping Chen, the founder and CEO of JinkoSolar, and Aihua Yu, member of the Standing Committee of the Anhui Provincial and Secretary of the Hefei Municipal Committee, discussed cooperation on photovoltaic projects, accompanied by Vice Mayor Jun Lu. The two parties agreed to speed up the promotion of JinkoSolar-related projects to be signed in Feidong County, and cooperate to explore the establishment of R&D centers and other follow-up projects, and at the same time develop PV projects throughout the whole Hefei County. The implementation of the whole county's development work will help the Hefei photovoltaic industry to extend, replenish and strengthen the industry chain.

PHOTOVOLTAIC DESERTIFICATION CONTROL

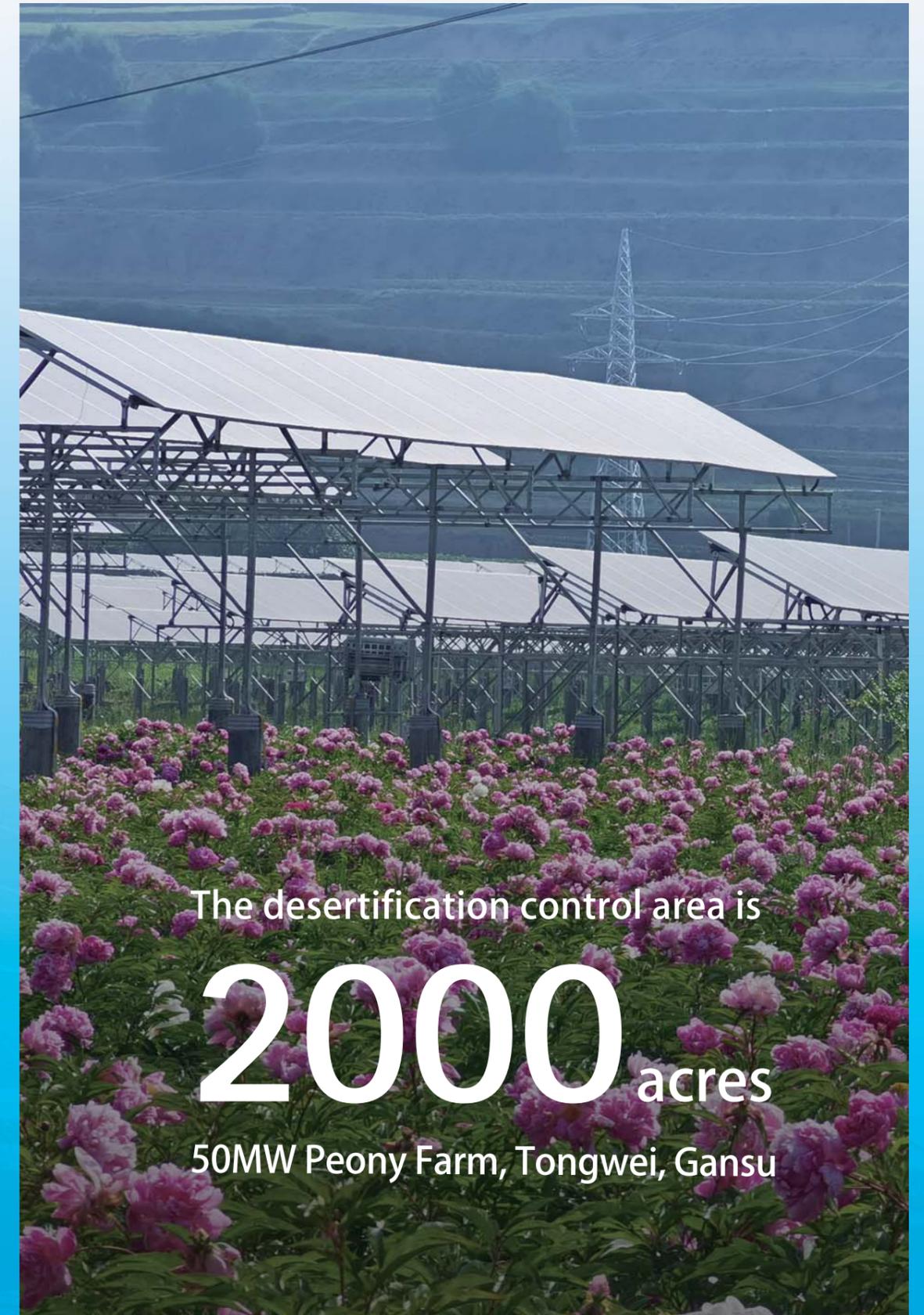


Desertification has always been the biggest obstacle to the development of Western China, the government has invested a lot of energy and funds in exploring new solutions for desertification control. The main feature of photovoltaic desertification control is the combination of the development of photovoltaic with desert control and water-saving agriculture to achieve win-win economic and ecological benefits.

The desertification control area is

12000 acres

300MW Photovoltaic desertification control project, Qinghai



The desertification control area is

2000 acres

50MW Peony Farm, Tongwei, Gansu

The desertification control area is

3000 acres

JinkoSolar's 90MW agriculture -complementary
Solar Power Station in Ningxia Province



JinkoSolar's Advanced High-efficiency Solar Module Sets New Record with Highest Conversion Efficiency of 23.53%

JinkoSolar announced that, after recently setting a test record of 25.25% for large-area N-type monocrystalline silicon solar cells, the maximum solar conversion efficiency of its advanced high-efficiency solar module reached 23.53% and has outperformed the previous record of 23.01%, also set by JinkoSolar, in January 2021. The result was independently tested and confirmed by TÜV Rheinland, one of the world's leading testing service provider on internationally recognized safety and quality standards. The module's breakthrough performance was the result of adopting JinkoSolar's cutting-edge TOPCon cell technology fused with a new type of welding and packaging technology. The module design not only reduces the internal resistance loss of the module, but improves power efficiency and module appearance.

JinkoSolar was Selected as Snowball 2021 Gold Medal Enterprise List for "Top Investment Value Company" and "Top Growth Potential Company"

The investment strategy meeting hosted by Snowball, a well-known investment exchange platform, was held in Shenzhen. This year, with the theme of "Looking for the Value Focus of the Extraordinary Year", the central point was on the hot sectors of Markets in Hong Kong and US stocks investment in 2021, and the performance potential and investment value of listed companies were indicated. During the same period, the Snowball 2021 Gold List was announced, where JinkoSolar was listed with its gradual investment value and high brand recognition, and was also included in the "Top Investment Value Company" and "Top Growth Potential Company" at the same time.

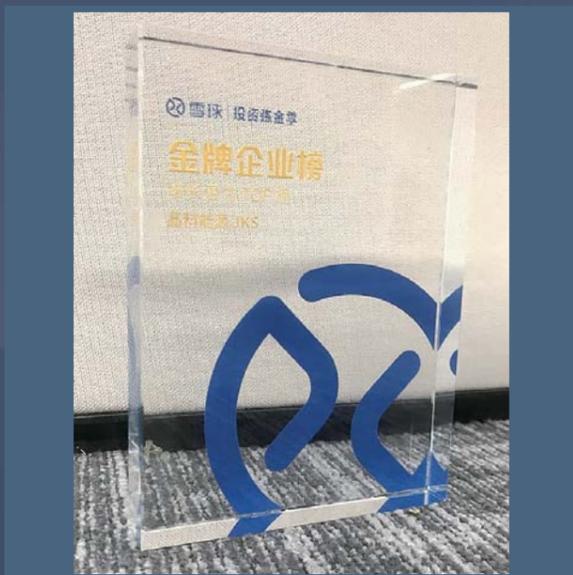
JinkoSolar's Corporate Social Responsibility in 2020

With the goals of carbon peak and neutrality, JinkoSolar has officially updated its new value-based strategy to redefine the incorporation of principles, social responsibility and profitability. New requirements for companies and organizations to incorporate climate goals into their business operations have quickly driven up complexities and uncertainties. JinkoSolar's value-based strategy highlights the importance of aligning organization and action to navigate challenges as companies and organizations strive to make carbon neutrality, the central goal in their strategic focus. JinkoSolar has published 2020 CSR report.

JinkoSolar to Expand the Use of Renewable Electricity at its Production Sites to Achieve the RE100 Goal

JinkoSolar has further expanded the use of electricity derived from solar energy at its production sites. This is part of its participation in RE100 and a commitment to achieving the goal of using 100% renewable electricity across its business operations.

The 5.98MW solar power system was installed on the rooftop of its factory in Shangrao production site in China. The initiatives undertaken at these two sites increased the use of renewable electricity by approximately 5,900,000kWh annually and is expected to reduce CO2 emissions by approximately 5,463.4 tons.



CORPORATE NEWS

35.1 Billion Revenues! JinkoSolar ranks 303rd on the Top 500 Fortune China for 2021

JinkoSolar was listed on the Fortune 500 list of China's Top 500 companies in 2021, ranking 303rd with 35,129.5 billion yuan in revenue. This is also the seventh time the company has been selected as one of the China's Top 500 companies, and the ranking has risen 22 places from 2020.

In the context of global carbon neutrality, the international new energy market demand is increasing rapidly. JinkoSolar actively explores the global market, excavates the regional value potential, and leverages its brand-specific localized operation strategy to provide partners with efficient and clean energy, achieving both social and economic benefits, and establishes a new international image of China's photovoltaic brand.



23.53%

RE100





JinkoSolar's Malaysia R&D and Testing Center Won the UL-WTDP Laboratory Qualification

UL awarded the UL-WTDP laboratory qualification to JinkoSolar Malaysia R&D and Testing Center. This qualification is the first certificate issued by the authoritative institution for the R&D laboratory of JinkoSolar's overseas facilities, and it is also the first accredited qualification for overseas laboratories that is authorized by UL. Since its establishment in 2016, JinkoSolar's Malaysia R&D and Testing Center have continuously improved its laboratory quality management level. The UL-WTDP laboratory qualification has once again confirmed the high level of JinkoSolar Malaysia's capability of product management as well as laboratory testing.

QUALITY TOPCon CERTIFICATION

JinkoSolar attended the China Clean Energy Technology Capital Summit: TOPCon has significant core competitiveness, overall efficiency and potential for growth

On September 23rd, the "2021 China Clean Energy Technology Capital Summit" hosted by Securities Daily was held in Beijing, focusing on scientific and technological innovation in the journey of "carbon neutrality". Nearly 200 leaders, experts, scholars, industry representatives, and financial institutions attended the summit. The participants focused on how the clean energy industry can help carbon peak and carbon neutrality through scientific and technological progress, and how to use the financial industry and capital market resource allocation functions to achieve steady development. In-depth exchanges and discussions were held. At the meeting, Zhang Xinyu, R&D director of JinkoSolar, gave a keynote speech on "The World Record and Technological Progress of Large-size and High-efficiency N-type TOPCon cell", which mainly introduced the technological development path and future vision for TOPCon (solar cell technology) from various perspectives such as background, principle, company's technology and industry development. N-type TOPCon cell technology is generally considered as the upgraded technological direction of the mainstream PERC cell technology in the photovoltaic industry, with a higher level of efficiency and enhanced power generation performance. The theoretical efficiency of TOPCon cells can reach 28.7%, which highlights the great space for progress in this technological direction, and the strong correlation between the core technology and equipment and the PERC cell gives it the basis for further development. At present, TOPCON's overall technological progress has entered a stage where it has obvious industrial advantages. During the same period, with its deep accumulation and continuous innovation in the field of technology research and development, JinkoSolar won the 2021 China Clean Energy Excellence Innovation Award.

JinkoSolar Obtained the First LCA Certificate for PV Modules from TÜV Rheinland China

JinkoSolar has obtained the first photovoltaic module LCA (Life Cycle Assessment) certificate from TÜV China ("TÜV Rheinland"), and it has successfully passed the Italian EPD certification at the same time. The modules that have been certified are monocrystalline mainstream module, with a total of 6 series and 43 sub-models. It is currently the domestic project with the largest number of products that have passed the Italian EPD photovoltaic certification at one time.



JinkoSolar's Tiger Pro Modules recognised with "Outdoor Yield Performance" award by TÜV Nord

JinkoSolar has been given the 'Outdoor Yield Performance' award by TÜV Nord at the organisation's digitalization globalization seminar for its high efficiency and high quality Tiger Pro Modules. The objective of the award is to recognise outstanding contribution to the development of technology and fully understanding the importance in the current market of the quality of outdoor operation and efficiency of PV products, the event focuses on the market's present situation and development trends.

