



Building Your Trust in Solar

JinkoSolar Large-Area N-Type Monocrystalline Silicon Solar Cell Reaches Record-breaking New High Efficiency of 25.25%

May 31, 2021

SHANGRAO, China, May 31, 2021 /PRNewswire/ -- JinkoSolar Holding Co., Ltd. ("JinkoSolar" or the "Company") (NYSE: JKS), one of the largest and most innovative solar module manufacturers in the world, today announced that the maximum solar conversion efficiency of its large-area N-type monocrystalline silicon solar cells reached 25.25%, setting a new world record for large-size contact-passivated solar cells. This result has been independently confirmed by the National Institute of Metrology, China ("NIM"). It is the third time that JinkoSolar has broken this world record since July 2020.

JinkoSolar continues to solidify its reputation in R&D and has made industry-leading iterations in silicon wafers, solar cells and solar modules over the years. Material upgrades integrated into the cell process and fabrication on a practical size of 267.4cm² of high quality monocrystalline Czochralski (CZ) silicon substrates allowed the Company to achieve 25.25% cell efficiency. To achieve this extremely high solar cell efficiency using ultra-thin polysilicon, several advanced technologies have been implemented including JinkoSolar's high quality N-type wafer, passivating contact technologies, advanced diffusion system, surface passivation, metallization of crystalline solar cells and other innovative technologies. This major breakthrough has not only increased the solar cell's energy conversion efficiency, but has also paved the way for the Company's mass production of N-type TopCon cells.

Mr. Limin Xiong, Researcher of NIM, commented, "As China's highest research facility of measurement science, and CNAS Capability Verification provider for solar cells and modules in Electrical Parameter Testing, NIM is committed to providing consistent, accurate and reliable data for scientific and technological progress. At present, it has accounted for 80% market share in third-party calibration services for standard solar cells and innovative solar cells (including perovskite cells). China aims to reach carbon emissions peak before 2030 and achieve carbon neutrality by 2060, so the PV industry has been gearing up for even faster growth with LCOE and solar cell efficiency being the most important factors. I am glad to witness this new world record, and our teams will continue to cooperate and contribute to the industry through R&D."

Dr. Hao Jin, Chief Technology Officer of JinkoSolar Co., Ltd., commented, "We are very proud to have set three world records for the most advanced large-area N-type cell in the world in less than one year. Maximum cell conversion efficiency improved from 24.79%, to 24.9%, and now to 25.25%, with the latest breakthrough acknowledged by NIM. Each milestone has been a global recognition of our world-class R&D capabilities for which I'm very grateful to our talented R&D team. All the R&D we have invested in has been to further our goals of improving cell and module efficiency and lowering costs. As an industry leader with multiple awards, we are committed to promoting a carbon neutral future based on technology upgrades that will accelerate mass production of competitive industrial products, and provide global customers with more efficient, reliable and clean products."

About JinkoSolar Holding Co., Ltd.

JinkoSolar (NYSE: JKS) is one of the largest and most innovative solar module manufacturers in the world. JinkoSolar distributes its solar products and sells its solutions and services to a diversified international utility, commercial and residential customer base in China, the United States, Japan, Germany, the United Kingdom, Chile, South Africa, India, Mexico, Brazil, the United Arab Emirates, Italy, Spain, France, Belgium, and other countries and regions. JinkoSolar has built a vertically integrated solar product value chain, with an integrated annual capacity of 22 GW for mono wafers, 11 GW for solar cells, and 31 GW for solar modules, as of December 31, 2020.

JinkoSolar has 9 production facilities globally, 23 overseas subsidiaries in Japan, South Korea, Vietnam, India, Turkey, Germany, Italy, Switzerland, United States, Mexico, Brazil, Chile, Australia, Portugal, Canada, Malaysia, UAE, Kenya, Denmark, and global sales teams in China, United Kingdom, France, Spain, Bulgaria, Greece, Ukraine, Jordan, Saudi Arabia, Tunisia, Morocco, Kenya, South Africa, Costa Rica, Colombia, Panama, Kazakhstan, Malaysia, Myanmar, Sri Lanka, Thailand, Vietnam, Poland and Argentina, as of December 31, 2020.

To find out more, please see: www.jinkosolar.com

Safe-Harbor Statement

This press release contains forward-looking statements. These statements constitute "forward-looking" statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and as defined in the U.S. Private Securities Litigation Reform Act of 1995. These forward-looking statements can be identified by terminology such as "will," "expects," "anticipates," "future," "intends," "plans," "believes," "estimates" and similar statements. Among other things, the quotations from management in this press release and the Company's operations and business outlook, contain forward-looking statements. Such statements involve certain risks and uncertainties that could cause actual results to differ materially from those in the forward-looking statements. Further information regarding these and other risks is included in JinkoSolar's filings with the U.S. Securities and Exchange Commission, including its annual report on Form 20-F. Except as required by law, the Company does not undertake any obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise.

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