



Building Your Trust in Solar

## JinkoSolar's Monocrystalline PERC Solar Cell Efficiency of 23.45% Verified

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SHANGHAI, Nov. 8, 2017 /PRNewswire/ -- JinkoSolar Holding Co., Ltd. (NYSE: JKS) ("JinkoSolar" or the "Company"), a global leader in the photovoltaic (PV) industry attended the 19th China International Industry Fair (CIIF) that opened in Shanghai today. JinkoSolar, as the world's largest solar module producer, showcased a suite of "Intelligent Manufacturing" innovations including MES system, smart devices, facility monitoring, smart factory, robotic workstations, quality traceability capabilities, and many more. At CIIF, JinkoSolar also announced that it has broken its own world record for P-type monocrystalline PERC solar cell efficiency by achieving that of 23.45%. The record was independently validated by the Chinese Academy of Sciences' Photovoltaic and Wind Power System Quality Test Center. This new achievement eclipses JinkoSolar's world record breaking P-Type monocrystalline PERC solar cell efficiency of 22.78% that was achieved just last month in October. JinkoSolar's previous successes clearly did not stop the company's pursuit of further excellence.

Closely adhering to the principles of Industry 4.0 and "Made in China 2025", JinkoSolar introduced new applications of cutting-edge technology such as IoT devices, intelligent mobile devices, and mobile robots to its manufacturing process. The innovative applications allows JinkoSolar to consolidate data collection, enable yield traceability, improve workflow efficiency, and optimize material transportation, which ultimately allows the company to continuously enhance its fab operating efficiency. Following through with its commitment to manufacturing excellence, JinkoSolar has further integrated functions such as advanced data analytics, smart diagnostics, self-reporting, and precise forecasting, with its operational know-how. The integration has revolutionized JinkoSolar's fab operations from "Automated" to "Intelligent", allowing the company to achieve greater efficiency, flexibility and quality, maximize cost effectiveness, and accelerate overall innovation.

Through agile and intelligent operations, JinkoSolar continues its drive towards manufacturing excellence. The company's sophisticated agile operation system has integrated demand and capacity modeling, lean manufacturing, and lot dispatching and scheduling to provide short cycle time, stable manufacturing and on-time delivery. The system also provides greater flexibility to quickly support customers' urgent pull-in requests.

"World records have been shattered again and again at JinkoSolar as the company has broken five world records in cell and module efficiency just this year. Now with assistance of intelligent manufacturing, we can translate these world record learnings into mass production, which will undoubtedly make a big splash in the market." commented Kangping Chen, CEO of JinkoSolar, "As the world's largest solar PV company, JinkoSolar has mastered its physical production processes and products. However, JinkoSolar has not stopped pioneering evident in the successful development and implementation of its own digitalization strategy. Effective introduction and implementation of smart manufacturing will help JinkoSolar further improve its production flows. Excellent technological know-how, manufacturing capacity, and customer loyalty that build on them are the foundation of JinkoSolar current success. Data-driven innovations will be the foundation of its future success."

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