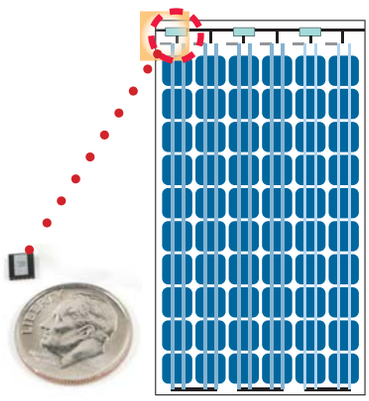
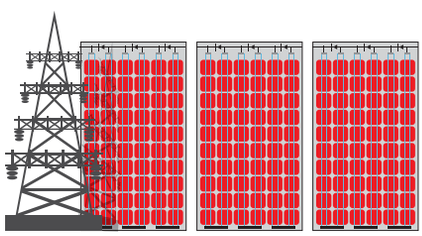
A SOLAR HEADACHE FOR DECADES, FINALLY SOLVED

Introducing the advanced JinkoMX modules that replace outdated bypass diodes with a revolutionary new technology - making commercial / utility projects more profitable.

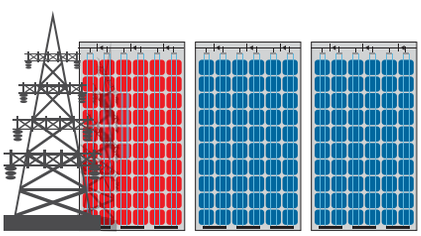
No one likes bypass diodes— so we started from scratch

Bypass diodes have limited module performance for too long. Not only do conventional modules suffer from power degradation due to shading, soiling, and other sources of mismatch, they limit system capacity because of row-to-row shading restrictions. The result: underperforming commercial proposals and lost bids.

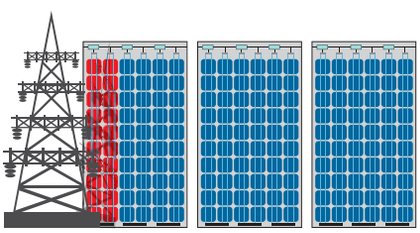




Unoptimized: Sinks to the level of the weakest module



1st Generation Optimization: Shaded cell strings are still bypassed



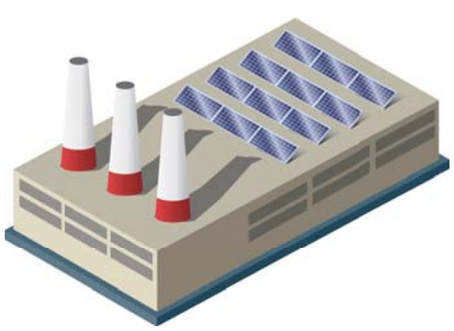
2nd Generation Optimization: Harvest all available energy to the cell -string level

Higher power density, higher profits

The JinkoMX module uses a single-chip IC from Maxim Integrated that replaces the traditional bypass diode providing better module reliability and the function of a DC Optimizer on each cell string within the module. The new JinkoMX module with second-generation, in-module DC optimizers can help you win more commercial rooftop bids. For the first time, every cell string can harvest energy, allowing you to pack more modules into your design.

A typical conventional PV system will be limited in size to avoid object and row-to-row shading. But JinkoMX modules continue to generate maximum energy from shaded cell strings, enabling both a higher density and a larger system.

You get more kWh and more profits. And with rooftop shading obstructions no longer an issue, customers enjoy more reliable power production, even when faced with challenging designs.



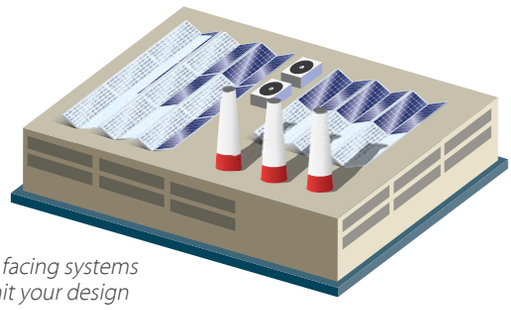
Conventional commercial rooftop

JinkoMX-enabled rooftop

Expand into shaded areas and enjoy a tighter GCR, for up to 20 percent more energy density.

Keep your options open

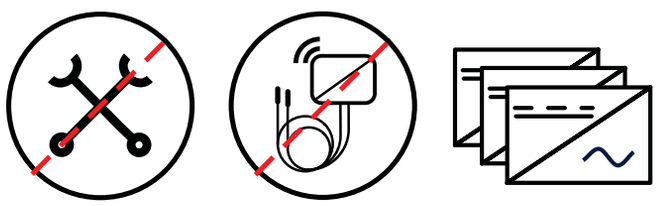
Mix and match panel orientations, module power ratings, and more. Use unequal string lengths in parallel, without losing energy. And design East-West facing systems in series or parallel, without dedicated inverters or inverter channels.



East-West facing systems do not limit your design anymore.

Built right in to save time

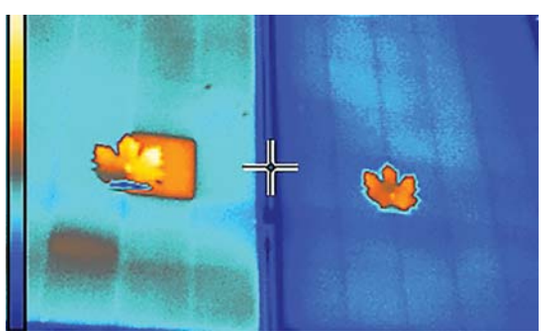
This new single-chip solution is so small, it's built into every JinkoMX module. There's no additional hardware or boxes to bolt on at the installation site. With all the time you save, you can install more projects and keep more customers satisfied. Your installation contractor will install conventional and Jinko Solar enabled systems in exactly the same way. By increasing performance and reliability with no additional installation overhead you can lower the cost of energy on every bid.



Gateways, boxes, networking, and issues with inverters are all history.

Simple and solid

This new chip in the JinkoMX module is far more reliable than the hundreds of discrete components used in first generation optimizers. Conventional bypass diodes are not up to the task either. By replacing bypass diodes in the module, hot spots are eliminated and long-term degradation at both the system and module level is reduced.



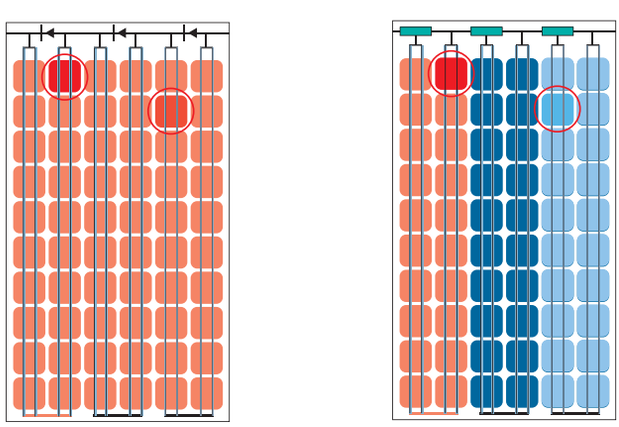
Conventional Module JinkoMX-Enabled Module
Eliminate hot spots with JinkoMX enabled modules.

Optimize costs, too

Stop paying for rapid shutdown and monitoring where you don't even need it. And, where you do, you'll have a wide range of affordable, compatible options. You can also choose the inverter that gives you the best solution and price point. So you can bid more competitively, yet show a stronger profit.

When customers harvest more energy, you win

Specify JinkoMX modules from your distributor. You'll get faster, simpler installs, happier customers, and more referrals. Find out more at jinko-smart.com/maxim.



Conventional Module *JinkoMX-Enabled Module*

Cell-string optimization limits the impact of worst cells to their substring, minimizing power degradation over the life of the panel

Jinko Solar
Building **Your Trust** in Solar

maxim integrated™