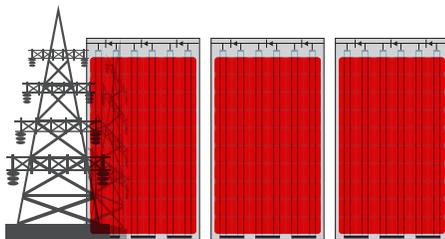
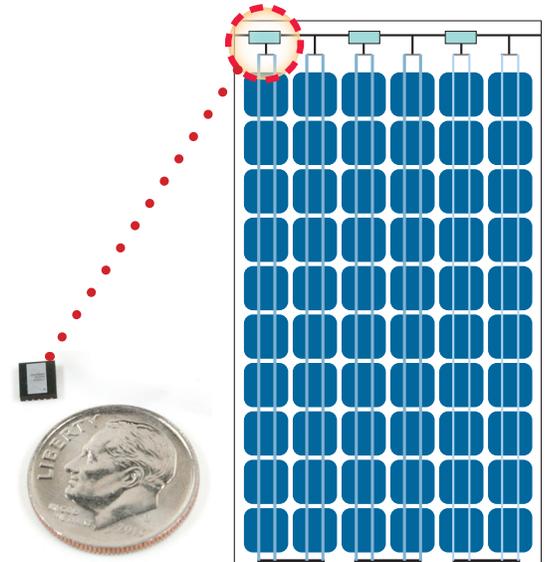


# A SOLAR HEADACHE FOR DECADES, FINALLY SOLVED

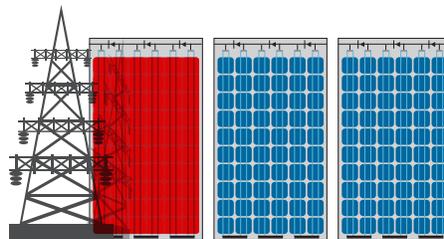
Replace outdated bypass diodes with a new kind of technology, for a better module that wins more commercial bids.

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. And frankly, they are a reliability risk for early module burnout and long-term performance degradation. The result: underperforming commercial proposals and lost bids.



Unoptimized: Sinks to the level of the weakest module



Primitive Optimization: Shaded cell strings are still bypassed



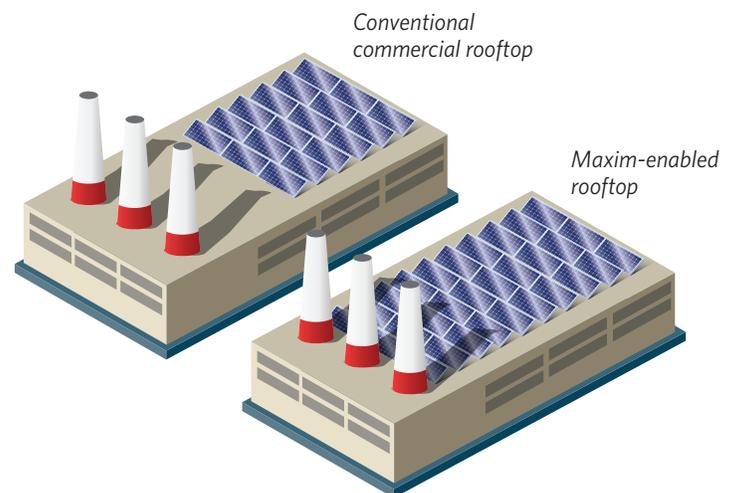
Maxim-Enabled Optimization: Harvest all available energy to the cell level

## Higher power density, higher profits

Our new, second-generation, in-module DC optimizers can help you win more commercial rooftops. 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 PV modules enabled by Maxim 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.



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.

## Built right in to save time

This new single-chip solution is so small, it's built into every Maxim-enabled 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. Plus, this streamlined installation process means bid prices can come down without affecting your bottom line, so you'll win more jobs.

## Simple and solid

This new chip 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.

## Optimize costs, too

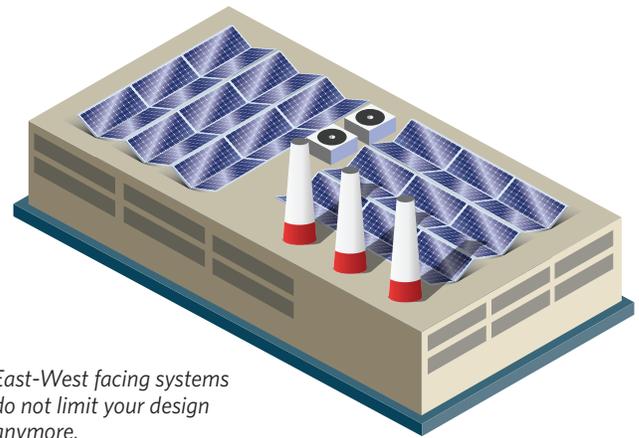
Stop paying for quick disconnect and monitoring where you don't even need it. And, where you do, you'll have a wide range of affordable, compatible options. You can also choose the inverter that gives you the best solution and price point. So you can bid more competitively, yet show a stronger profit.

## When customers harvest more energy, you win

Specify Maxim-enabled modules from your distributor. You'll get faster, simpler installs, happier customers, and more referrals. Remember, it's not optimized unless it's Maxim-ized. Learn more at [maximintegrated.com/solar](http://maximintegrated.com/solar).



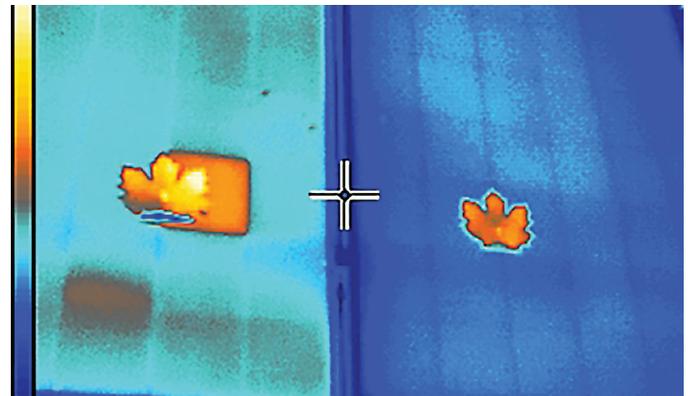
160 Rio Robles, San Jose, CA 95134  
 (408) 601-1000  
[www.maximintegrated.com](http://www.maximintegrated.com)



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



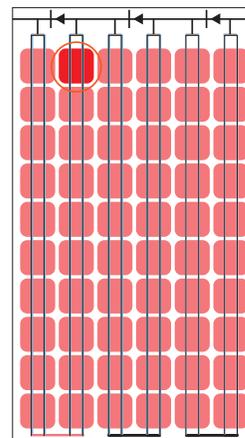
*Gateways, boxes, networking, and issues with inverters are all history.*



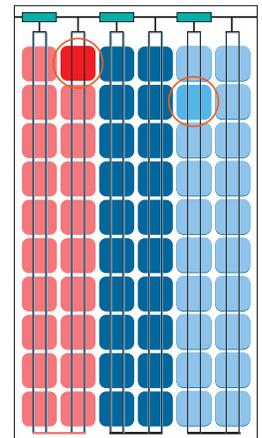
*Conventional Panel*

*Maxim-Enabled Panel*

*Eliminate hot spots with Maxim enabled modules.*



*Conventional Panel  
 Worst degraded cell  
 determines panel power.*



*Maxim-Enabled Panel  
 Cell-string optimization  
 limits the impact of worst  
 cells to their substring.*