

THE SOLARBRIDGE SOLUTION

POWERFULLY SIMPLE SOLAR



POWERING THE FUTURE WITH AC MODULES

SolarBridge Technologies has changed the game for solar module manufacturers and installers with its innovative, revenue-enhancing solution that makes solar more cost-efficient, more reliable and easier to install than ever before.

The SolarBridge AC Module System enables virtually any homeowner or business to go solar. The SolarBridge Pantheon™ microinverter — a small energy conversion device mounted on the back of each solar module — makes this possible. Featuring a highly reliable, patented architecture, the Pantheon arrives at a job site already installed on every PV module.

Combined with 24/7 module-level monitoring and a web-based management system, the SolarBridge AC Module System is the simplest, most reliable solution on the market today.

INSTALLERS

INSTALL MORE SOLAR. SIMPLY.



QUALIFY MORE SITES

The SolarBridge AC Module System enables system installers to design systems with more flexibility than ever. Clouds, shade from trees or roof obstructions are no longer an issue.

SIMPLIFY INSTALLATION

Because the SolarBridge Pantheon™ ships attached to the back of a module, there is no need to install either a central inverter or numerous microinverters to the racking system. The SolarBridge system is truly plug-and-play.

REDUCE INSTALLATION AND MAINTENANCE COSTS

Installing AC modules powered by SolarBridge cuts installation time by 20 percent or more versus central inverter solutions. And since our microinverters carry the same 25-year warranty as AC modules, there's no need for multiple replacements of a central inverter or microinverters, reducing ongoing costs.

IMPROVE SAFETY

There are no DC cables to install and no exposed DC wires on the roof in a SolarBridge system, significantly improving safety over DC systems. AC module systems are inherently safer to handle and do not have the same potential for arc faults as DC-based systems.

MODULE MANUFACTURERS

EXPAND YOUR MARKET



DIFFERENTIATE YOUR PRODUCTS

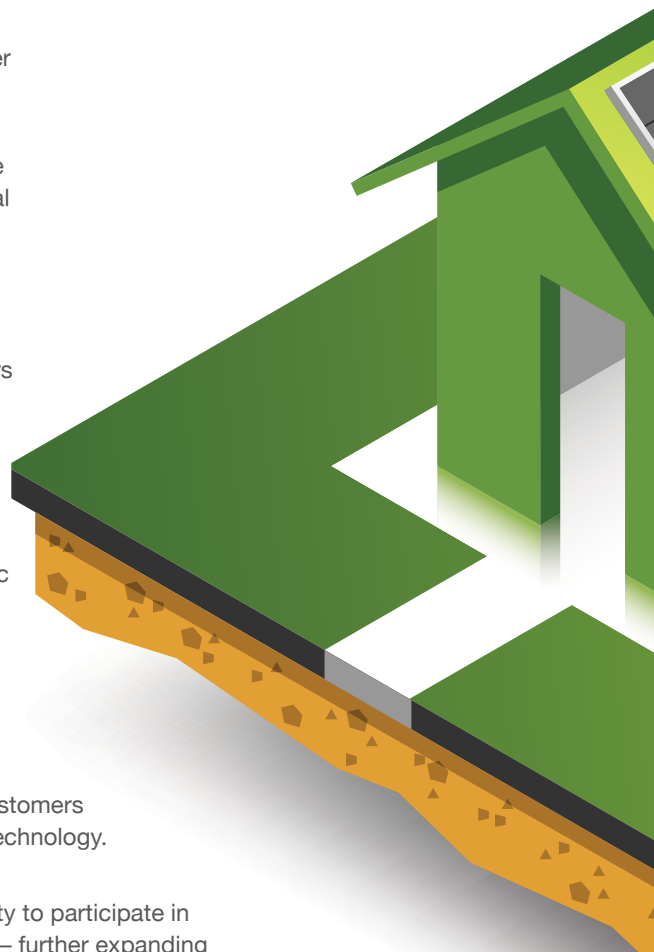
With SolarBridge, module manufacturers can now offer customers plug-and-play AC modules with integrated microinverter technology.

GROW YOUR MARGINS

The SolarBridge system gives module companies the ability to participate in another piece of the solar value chain — power conversion — further expanding their market.

ENSURE RELIABILITY

Designed for reliability, SolarBridge Pantheon microinverters match or exceed the lifetime of the solar modules they're built on — and are backed by a 25-year warranty.



THE SOLARBRIDGE SOLUTION: EASY. EFFICIENT. RELIABLE.

The SolarBridge AC Module System allows energy consumers to enjoy solar-generated power without the complexity and maintenance challenges of other inverter solutions – lowering the levelized cost of solar energy.

A PANTHEON MICROINVERTER

The SolarBridge Pantheon performs the same DC to AC conversion and Maximum Power Point Tracking (MPPT) function as a central inverter, but at the module level, harvesting up to 25 percent more energy than central inverter-based systems. SolarBridge's integrated microinverters arrive at a job site preinstalled on AC modules – significantly reducing installation cost and complexity.



B SOLARBRIDGE POWER MANAGER

The SolarBridge Power Manager serves as the communications hub of the solar array, and constantly monitors the performance of every module. The Power Manager can either be hard-wired directly into the service panel fed by the modules or plugged into a standard wall outlet. All communications take place with the AC modules over AC wiring – no additional data cabling is required.

The SolarBridge Power Manager communicates directly with the SolarBridge Power Portal, providing system owners, solar installers, and module manufacturers with up-to-the-minute insight into system performance and detailed analytics to facilitate troubleshooting.

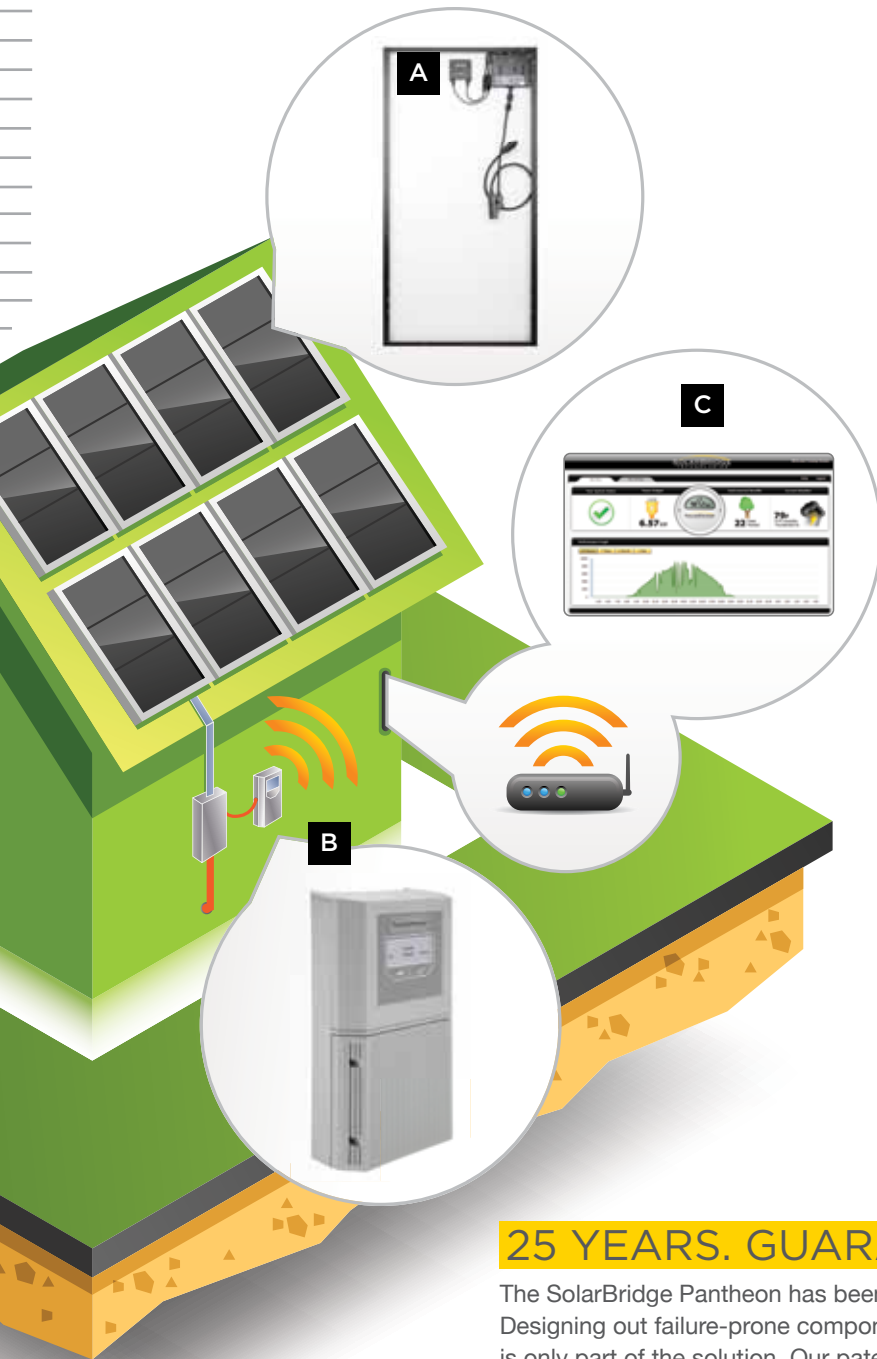
C SOLARBRIDGE POWER PORTAL

The SolarBridge Power Portal is a Web-based management system that enables system owners, installers and module manufacturers to monitor system performance 24/7. The Power Portal's rich graphical interface is available through internet-connected computers and mobile devices. The open architecture of the Power Portal also permits rapid integration with additional devices and systems using industry-standard web services and methods.

Unlike other PV systems, which capture only aggregate, system-level data at best, the SolarBridge Power Portal monitors and manages the real-time operating performance of every AC module. System owners and operators are instantly alerted to potential problems, preventing costly downtime and reducing troubleshooting time and maintenance costs.

25 YEARS. GUARANTEED.

The SolarBridge Pantheon has been designed from the ground up with reliability in mind. Designing out failure-prone components such as electrolytic capacitors and optoisolators is only part of the solution. Our patented architecture requires a fraction of the capacitance of traditional inverter architectures, enabling the use of highly reliability film capacitors. Our innovative approach to thermal management keeps the Pantheon running at lower steady state temperatures, further enhancing reliability. The Pantheon undergoes rigorous testing – exceeding standard certification requirements to ensure our microinverters can withstand the harsh conditions experienced in a rooftop PV application.



SOLARBRIDGE TECHNOLOGIES

A COMPANY ON A MISSION

The emergence of solar as a significant provider of the world's future energy needs requires true technology innovation, and a relentless focus on reducing its cost and complexity.

SolarBridge Technologies is making solar energy easier, more reliable and more affordable than ever before. SolarBridge and its partners are working together to drive solar adoption by delivering integrated AC Modules to the residential and commercial markets.



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