THE NEW SPEED OF SOLAR

SMA’s Power+ Solution
TRUE OPTIMIZATION, FASTER & EASIER THAN EVER

What’s different?
SMA’s new and improved Power+ Solution is the next generation of optimized residential systems, now with fewer components and even simpler commissioning. Greater integration within the inverter now only requires a single plug-and-play connection, eliminating additional labor and balance-of-system costs. The Power+ Solution delivers the fastest installation possible without sacrificing the energy yield or investment security that the industry has come to expect from SMA.

Second to none
SMA’s new and improved Power+ Solution is more than your typical PV system. While others offer an inverter and an optimizer, SMA offers so much more. Give your customers a holistic home energy solution that’s a cut above the rest. With module-level monitoring from the award-winning Sunny Portal and customizable storage-ready options, the Power+ Solution from SMA is the premiere solution for the home of the future.
VERSATILE OPTIONS FOR ANY NEED

One size doesn’t fit all
SMA understands that all PV systems are unique and must utilize a solution that best addresses the needs of the homeowner. While some providers have one product for every roof, SMA offers a versatile platform of solutions designed for optimal performance in any situation.

Optimized for Speed, Value
For integrators most concerned with installation velocity, this simple system offers maximum installation speed and the greatest ROI. Featuring 50 percent fewer connections than competing devices, the Sunny Boy can be unpacked, installed, and commissioned in a matter of minutes, and with unique upsell opportunities like Secure Power Supply, no other inverter without module level technology offers a more robust feature set.

» Fewest system components, fastest installation, and wireless communication
» Most cost-effective NEC 2014 compliance when paired with the SMA Rapid Shutdown System
» Secure Power Supply, which now provides up to 2,000 watts of opportunity power in the event of a daytime grid outage
» OptiTrac™ Global Peak maximum power point tracking for cost-effective shade mitigation for light-to-moderate shading

Optimized for Shutdown
When no shade or obstructions are present, why install more system than is necessary? This approach optimizes the solution for compliance with NEC 2017 requirements ahead of schedule. And with improvements to the Power+ Solution, this system is hands down the fastest, most simple MLPE installation on the market.

» Significantly reduced components
» 50% faster commissioning through a single online interface with SMA’s installation assistant
» Module-level monitoring through the #1 ranked portal worldwide

Optimized for Ultimate Performance
With all the benefits of the Shutdown system, this next-level solution provides greater performance with the same speed and simplicity. Whether it’s addressing unique roofing orientations or variable shading situations, this effortless system performs exceptionally.

» Most detailed monitoring technology
» Performance gains through granular-level shade mitigation
» Greatest redundancy and insurance against power loss

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THE RESIDENTIAL PV VALUE CHAIN

The Power+ Solution optimizes each step in the project process, resulting in superior returns. Powerful features that improve performance and reduce cost mean integrators can provide greater value to their customers while improving their own profitability.

Simple, Flexible Design

» Up to three inverter-based MPPTs and TS4 flexibility solve complex rooftops more cost-effectively than alternatives
» Compliance options for 2014 and 2017 NEC
» Simple configuration for CA Rule 21 compliance through SMA’s web user interface
» Compatible with leading third-party shade modeling tools including Aurora, Helioscope and PVsyst

Improved Logistics

» Module integrated TS4 interchangeable MLPE platform available from major suppliers
» Retrofit option converts standard modules into smart panels
» One inverter platform for MLPE and non-MLPE systems—no need for redundant lines
» Highly integrated inverter and advanced communication require only a single connection
» Fewer components to serve the MLPE and total markets, reducing overall stocking needs

Faster Installation

» 50% faster inverter installation over leading brands
» Tool-free TS4 saves 75 - 90 minutes per system compared to other MLPEs
» Reduced communication components speed commissioning by 50%
» TS4 installations occur on the ground, reducing risks associated with roof work
» Module integrated is installed at factory
» MLPE incumbents restricted to rack mounting, incurring greater time spent on roof
FLEXIBLE, FUTURE-PROOF SOLUTIONS

Storage options can be retrofitted at any time!
WHY PROVIDE HOMEOWNERS WITH AN INFERIOR SOLUTION?

Many PV systems fall short of providing a complete home energy solution, which is bad for both homeowners and installers. Questionable reliability, troublesome servicing and the lack of a future-proof solution can irritate homeowners and limit an installer’s future revenue stream.

» INEFFICIENT, UNRELIABLE DESIGN

- Most panel optimizers are operating constantly.
- They have more components and produce more heat.
- This means more points to service and a higher likelihood of failure.

» DIFFICULT SERVICING

- Most solar systems have to rely on reactive servicing.
- Coordinating multiple visits from your installers is a hassle and takes time.
- The lengthy servicing period results in system downtime and lost energy.

» INFLEXIBLE SYSTEM DESIGN

- Most solar systems cannot be retrofitted with energy storage.
- This limitation eliminates future smart home integration.
- The opportunity to further save on utility bills is lost and system payback is slowed.
WHAT MAKES THE POWER+ SOLUTION A SUPERIOR CHOICE?

The Power+ Solution solves the problems that other PV systems can’t. Homeowners and installers alike benefit from superior reliability, a proactive service strategy and the ability to future-proof a home with flexible energy storage opportunities.

» GREATER RELIABILITY

- SMA panel optimizers only work when they have to.
- They have fewer components and produce less heat.
- This means less points to service and greater system reliability.

» SMART SERVICE TECHNOLOGY

- SMA solar systems include smart, proactive service technology.
- Issues are communicated automatically and servicing is seamless.
- Quick resolution means system energy production is maximized, which has a positive financial impact.

» FUTURE PROOF, SMART HOME READY

- SMA systems can be retrofitted with energy storage any time.
- They feature future-proof technology that is smart home ready.
- Utility bills are further reduced and system payback is accelerated.