



SMA HOME ENERGY SOLUTION

I LOVE THE SUN

And even more with SMA.





Your SMA Home Energy Solution.

The sun delivers valuable energy to your home every single day – completely free of charge. A PV system combined with our energy system allows you to generate and use electricity for your home. You can save on your energy costs and help shape the energy transition.

**One solution.
Everything from a single
source.**

The **SMA Home Energy Solution** is the perfect combination of high-quality equipment, smart software and exceptional service. The modular design allows for the system to grow with your individual energy demand, and can be built to suit any budget.

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Generate solar power for optimal consumption.

The SMA Home Energy Solution helps you cut your energy costs permanently, starting today. Harness the unlimited power of the sun to generate a cost-effective and sustainable energy source. This will help you become independent from your utility company and protect against rising energy costs.

How to produce your own electricity.

The SMA Home Energy Solution allows you to generate your own green electricity with a PV system. The electricity you do not use yourself is automatically fed into the utility grid. On the following pages, you will learn how a storage system can make you even more independent of utility companies.

Why Installers Choose the Sunny Boy Smart Energy

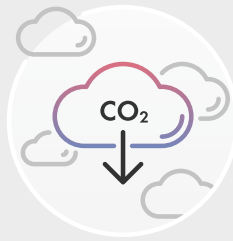
- 3 or 4 MPPT optimizing channels
- 200% DC/AC design capability
- 2-in-1 solution that saves time, wall space and electrical upgrades
- Fast charging and discharging of a connected battery
- Commissioning with the SMA 360° App- saving installers time and money
- Automatic monitoring of the system with SMA Smart Connected
- Modular system configurations to suit various budgets, use cases and requirements
- 10-year warranty, extendable up to 25-years



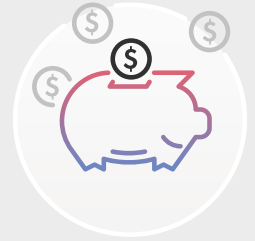
Complete reliability with no need for complex microinverters or optimizers.



Protect against rising energy prices.



Your contribution to climate protection.



Additional income from grid feed-in.

Sunny Boy Smart Energy Hybrid Inverter

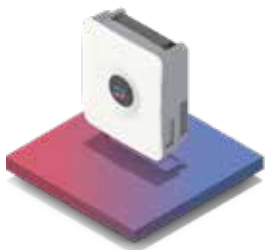
The heart of your personal PV power plant.

The Sunny Boy Smart Energy hybrid inverter is the heart of the SMA Home Energy Solution. It converts the direct current generated from the PV modules into standard alternating current for domestic use. At the same time, you benefit from our tried-and-tested, integrated range of software functions and intelligent services like SMA Smart Connected and SMA ShadeFix.

Commissioning the Sunny Boy Smart Energy has never been easier with the SMA 360° App, guiding installers from start to finish, ensuring seamless setup, monitoring and easy information access.



SMA Home Energy Solution components.



Sunny Boy Smart Energy

This groundbreaking hybrid inverter combines the functions of a PV and battery inverter into a single unit, keeping electrical upgrades to a minimum.



SMA Backup Secure

Access up to 1,920W of power with a secure outlet connected directly to the inverter.



SMA Energy Meter

Monitor all home energy flows empowering you to understand energy usage and solar production. Leverage the full potential of your home's energy.



System visualization and control

Clearly visualize and monitor a home's energy system with Sunny Portal powered by ennexOS and the SMA Energy App.

 SMA component



Store solar power use it flexibly.

Do you want to consume your own solar power in an integrated way, around the clock? If so, the new SMA Home Storage battery is the ideal all-in-one solution for your home.

Solar power in any weather.

The SMA Home Storage Solution includes the Sunny Boy Smart Energy hybrid inverter and the new SMA Home Storage battery. The Sunny Boy Smart Energy hybrid inverter can quickly charge and discharge electricity for the storage system, which is a real benefit during varying weather conditions with limited sunlight.

The SMA Home Storage Solution ensures a reliable and sustainable electricity supply for your home, helping you become more independent from rising energy costs.

Benefits

- Compact all-in-one solution for generating and storing solar power
- Scalable battery capacity to meet diverse customer energy needs
- Fast charging and maximum battery use even when there is little sunshine
- Optional SMA Backup Secure and battery-backup function ensures a reliable energy supply even during grid outages
- 10 year factory warranty, extendable up to 25 years for the Sunny Boy Smart Energy
- 12.5 year factory warranty for the SMA Home Storage battery



Generate and store maximum power and increase your energy independence with the Sunny Boy Smart Energy and SMA Home Storage system.



Ensure the security of your home and have access to backup power, especially during grid instabilities and unpredictable weather.



Maximize the excess power collected during the day, using it at night when the sun is not shining.



Protect yourself against rising energy prices and embrace forecast-based energy management for maximum savings.

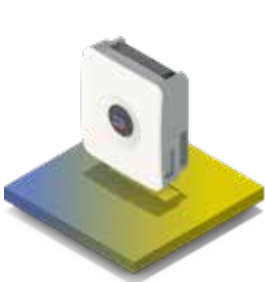
Sunny Boy Smart Energy + SMA Home Storage = **the SMA Home Storage Solution**

Power through rain or shine.

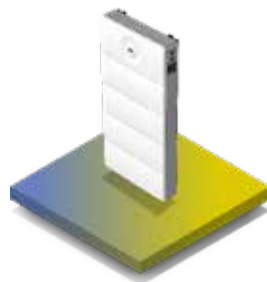
PV systems including the Sunny Boy Smart Energy can be expanded at any time. By adding a powerful storage system, such as the the new SMA Home Storage battery, you benefit from unparalleled flexibility and a modular design. This means that your system is prepared even for future energy demands.



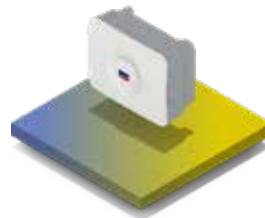
SMA Home Storage Solution components.



Sunny Boy Smart Energy
This groundbreaking hybrid inverter combines the functions of a PV and battery inverter into a single unit, keeping electrical upgrades to a minimum.



SMA Home Storage
Stores energy and makes it available as needed. The SMA Home Storage battery is developed for intensive use, with up to 8,000 life cycles. Factory warranty 12.5 years.



SMA Backup Select
Provides energy security with or without a battery system. Access up to 3,800W* or 5,700W* of backup power and automatically select loads to power when the grid goes down.



System visualization and control
Clearly visualize and monitor a home's energy system with Sunny Portal powered by ennexOS and the SMA Energy App.

*SMA Backup Select offers 3,800W of power for the Sunny Boy Smart Energy 3.8-7.7kW. SMA Backup Select offers 5,700W of power for the Sunny Boy Smart Energy 9.6 and 11.5kW.



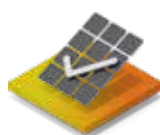
Why SMA?

With the SMA Home Energy Solution, you benefit from a thoughtfully designed, simplified system. Our devices come equipped with everything you need for a secure and sustainable energy supply. Smart software optimizes the yield of your PV systems in every situation, at no extra cost.

For more than 40 years, our products and solutions have been paving the way for a climate-friendly, decentralized energy supply of the future. In private homes, hotels, agricultural or commercial enterprises and in power plants. From cities to rural counties, and islands to mountaintops and everything in between.

SMA ShadeFix

It is not always possible to prevent windows, chimneys, trees and other obstructions from casting shadows on PV modules. This proprietary integrated software optimizes your energy yield automatically and in every situation – even in shading.



SMA Smart Connected

A world-class premium monitoring service for reliable system performance that is complimentary and included in every SMA product solution.



SMA 360° App

A convenient, easy-to-use app that offers system and event monitoring and commissioning all from a mobile device.



SMA SOLAR ACADEMY

Be a solar expert

Need extra training?

The SMA Solar Academy provides in-depth technical training worldwide on products, systems, solutions and services.



SMA-America.com



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