



SMA ENERGY SYSTEM HOME

# Store solar power and use it flexibly.



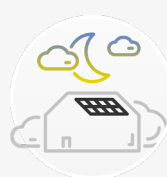
For 40 years, we have been making the use of solar energy easier and more efficient. The SMA Energy System Home enables you to generate and use even more sustainable energy yourself. At the heart of this is the new hybrid inverter from SMA. It enables both immediate use and storage in a single device.



Save up to 80%  
on energy costs\*



Use more solar power  
by storing it – including  
during grid failures



Use free solar power even  
when your PV system is not  
producing any electricity



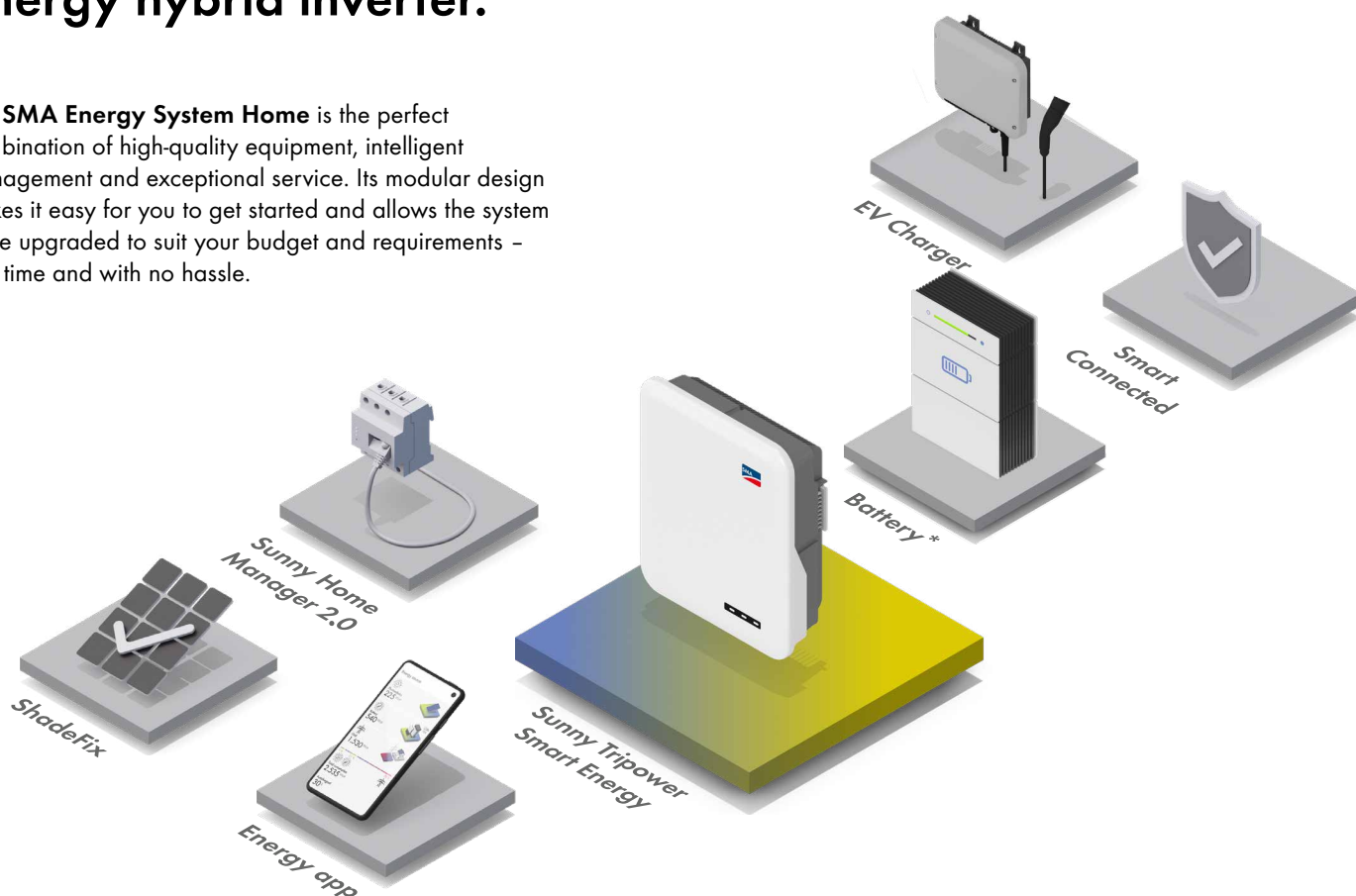
Supply various household  
appliances with solar energy

\*For implementation of all the energy system's use cases.



# At the heart of the SMA Energy System Home is the new three-phase Sunny Tripower Smart Energy hybrid inverter.

The **SMA Energy System Home** is the perfect combination of high-quality equipment, intelligent management and exceptional service. Its modular design makes it easy for you to get started and allows the system to be upgraded to suit your budget and requirements – any time and with no hassle.



  
**SMA ENERGY**  
The energy transition in your hand.



## Battery

The battery enables intermediate storage of unused solar power and makes it available again on demand.

## EV Charger

The EV Charger intelligently prioritizes charging your electric vehicle sustainably with self-generated solar power – and extra quickly if you're in a hurry.

## SMA Energy app

The Energy app shows you all the most important information about your energy system and enables the intelligent management of all energy loads (e.g., the charging process for your electric vehicle).

## SMA ShadeFix

The market-leading technology ShadeFix ensures the best possible energy yield even in shaded areas. Automatically and in any situation.

## Sunny Home Manager 2.0

The Sunny Home Manager monitors and manages all energy flows in the household and even automatically adapts to individual habits, allowing it to leverage the full potential of any energy system.

## SMA Smart Connected

The free inverter monitoring service Smart Connected monitors your inverter automatically and is capable of instantly initiating troubleshooting measures where necessary.

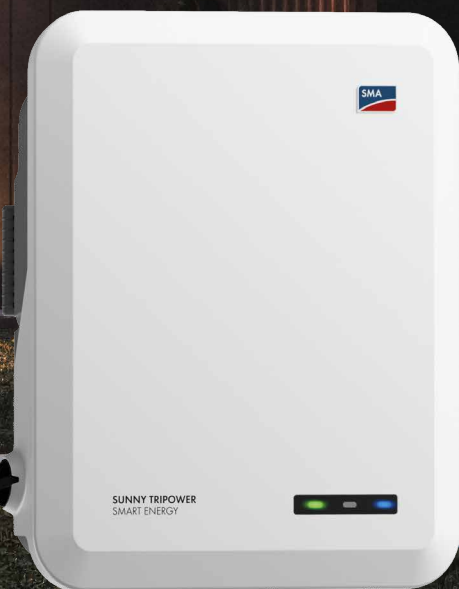
\*The battery is not sold by SMA.





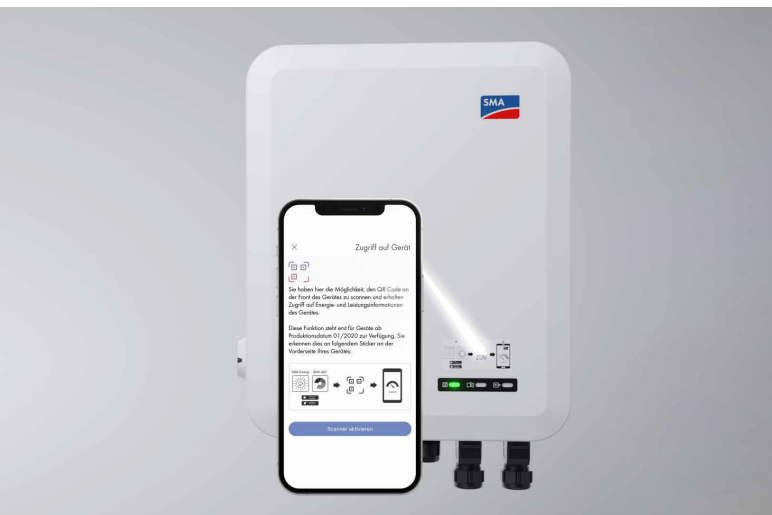
# New three-phase hybrid inverter.

The strong heart for every home.





# Benefits at a glance

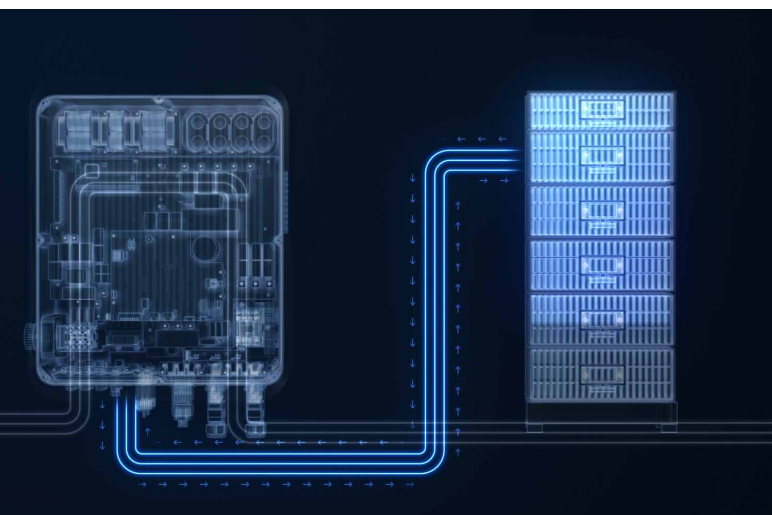


## Easy installation and handling

- Installation without any need to open the lid
- Intuitive commissioning via smartphone with the 360° app
- 2-in-1 solution: saves space and time
- No fan: quiet and low-maintenance

## Maximum flexibility

- 2 MPP trackers
- 150% over-dimensioning on the DC side
- Versatile: for new systems and for expanding systems with a battery-storage system
- Compatible with DC-coupled high-voltage batteries from leading manufacturers
- Use of energy from PV inverters installed in parallel by combining the battery charge from the DC and AC sides



## Optimized service

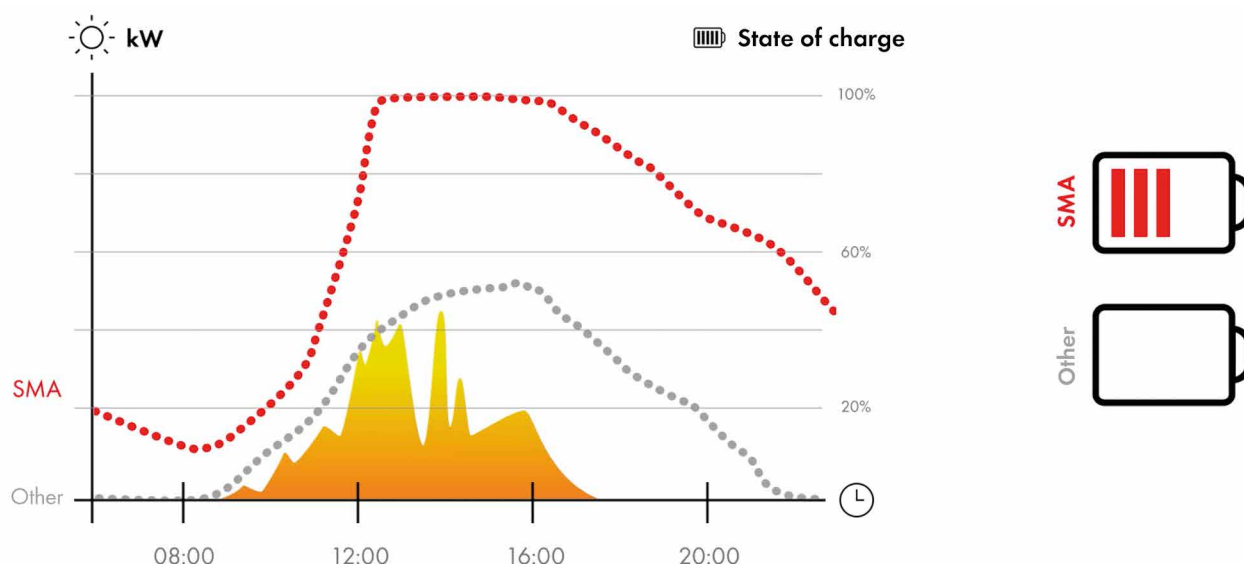
- Automatic inverter monitoring with Smart Connected
- 10-year warranty\*

\*5-year warranty plus a further 5 years after registration. For further information, please refer to the SMA warranty conditions: <https://files.sma.de/downloads/COM-RES-GB-en-72.pdf>

## A flexible energy supply that gets the most out of any weather conditions.

The **Sunny Tripower Smart Energy** shines with its high-speed battery charging capability. During the transitional months in particular, charging performance can become a problem when there are few hours of sunshine and plenty of cloud cover. Fast charging, therefore, allows you to use more solar power in your home later on and saves you money.

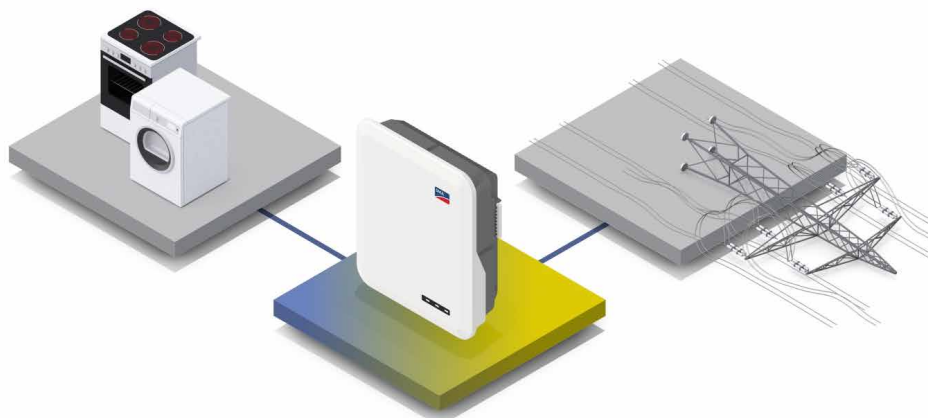
- + Three-phase hybrid inverter
- + High charging/discharging power
- + Fast charging and maximum battery use even when there is little sunshine
- + Intelligent battery use through forecast-based charging with the Sunny Home Manager
- + Maximum utilization of solar energy even when feed-in power limitation is required thanks to automatic dynamic active power limitation



Integrated battery-backup function

## Reliable electricity supply even during grid failures.

Even greater supply reliability is ensured by the integrated battery-backup function, which automatically continues to supply selected loads with clean solar power during utility grid failures.



Manage appliances intelligently with solar power

# Systematic and intelligent energy management



The SMA Energy System Home reduces the cost of driving a car, heating and consuming electricity by using and storing solar energy intelligently. The operation of home appliances can also be automatically scheduled for periods when the PV system is supplying sufficient solar power, ensuring that the maximum amount of the solar power produced exactly where it's needed.

## Forecast-based planning

Based on meteorological data and the learned usage habits of home appliances, the charges of the battery-storage system can be flexibly adapted so that the maximum amount of solar power is used. Here, the "mid-day peaks" – i.e., the periods during which the PV system would otherwise have to be curtailed due to the 70% feed-in power limitation – are taken into special account, allowing you to get the most out of your system.

## Heat with solar power

Heat your home and double your annual savings potential at the same time.\* Unlike conventional systems, the SMA Energy System Home optimizes heat pumps and thus significantly improves the self-consumption of solar energy. This means that you do not have to buy energy for three times the price in the evening or take a cold shower in the morning. Comfort takes priority.

## E-mobility with SMA

The SMA Energy System Home finally makes e-mobility a truly attractive proposition. It enables you to reliably charge your electric vehicle with solar power, sparing your wallet and protecting the environment. The charging process itself can be precision-planned thanks to the SMA Energy app, while the Sunny Home Manager 2.0 ensures the desired departure time at minimum cost. If you are in a hurry, the EV Charger reduces the charging time tenfold!\*\*

## User-friendly management

Operate your home appliances without having to be at home to do so or without even thinking about it. The Sunny Home Manager 2.0 in the SMA Energy System Home makes it possible. Since it knows how much solar energy is available and how much the rest of the house requires, it finds the optimum time to start e.g., your washing machine. Even on rainy days.

## AI for more energy

Intelligent energy management capable of planning ahead. And it keeps on learning by itself. Thanks to highly sophisticated algorithms, the SMA Energy System is capable of automatically adapting to the energy demand. This means that it makes much smarter decisions regarding energy management than many other systems, which are capable only of reacting – and usually only when it's too late, forcing you to purchase expensive power from the grid.

- + Reduce energy costs for e-mobility, heating and electricity
- + Self-learning system that plans ahead
- + Intelligent optimization for greater energy gains
- + Automatic management of home appliances

\* Intelligent heat pump with direct communication compared with no integration and so natural self-consumption.

\*\* Compared with a conventional household socket and depending on the vehicle.

# SMA. We let the sun shine for you.



## SMA corporate DNA

With our products and solutions, we are paving the way for a climate-friendly, decentralized energy supply of the future. Through environmentally friendly and resource-saving economic activity, the use of renewable energies, transparency, fairness and an honest business policy, we are taking a stand for sustainability. In our day-to-day working life. Within the company. And far beyond.

## SMA's experience

With over 40 years of experience in PV technology and 30 years of experience in storage technology, SMA is a brand you can rely on. Through their work, more than 3,000 SMA experts in 18 countries are now driving the energy transition forward.



## SMA 360° Professional Support

With SMA 360° Professional Support, SMA supports its partners from the initial contact with the customer to commissioning and the best possible customer service.

## SMA Partner Program

The SMA Partner Program offers a wealth of comprehensive training courses and webinars. You can use your expertise to score points with your customers by selling and installing high-quality products from a strong brand.



## SMA Solar Academy support

The SMA Solar Academy provides in-depth technical training worldwide on products, systems, solutions and services, tailored towards different target groups.





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## SMA 360°

Professional Support

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