



The new storage
solution from the PV
pioneer.
From SMA.

SMA ENERGY SYSTEM – HOME

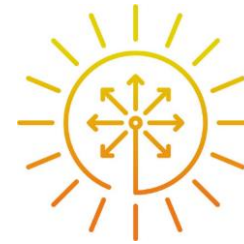
Home solutions overview.



Generate solar power for optimal consumption



Store solar power and use it flexibly



Manage and distribute solar energy



Refuel with solar power



Heat with solar power



Grid independence with solar power



Get your electricity from 100% renewable sources

SMA ENERGY SYSTEM – HOME



Save up to 80%* on energy costs when implementing all use cases.



Save up to 80% on energy costs*



Generate solar power for optimal consumption



Store solar power and use it flexibly



Manage and distribute solar energy



Refuel with solar power



Heat with solar power



1. * for implementation of all the energy system's use cases.

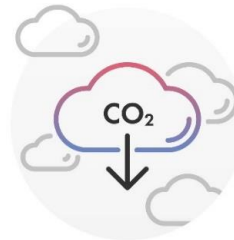
“Generate solar power for optimal consumption” + “Store solar power and use it flexibly”: Benefits



Up to 80% savings
on energy costs*



Consume more solar power
yourself by storing what
you don't need right now.



Personal contribution to climate protection
and resource conservation.



Protection against power outages
makes you independent.



Stronger protection against rising
energy prices through higher
efficiency of our systems.

1. * When implementing all the energy system's use cases, through direct consumption and battery use. Definition: energy costs = electricity costs vs. heating costs vs. mobility costs

The new **SUNNY TRIPOWER SMART ENERGY**.

Your advantages at a glance.



SMA System Integration

can be integrated seamlessly and is fully compatible with the **SMA Energy System Home**.



Store energy

reliable and flexible energy supply through integrated storage functionality – even in case of grid failure.



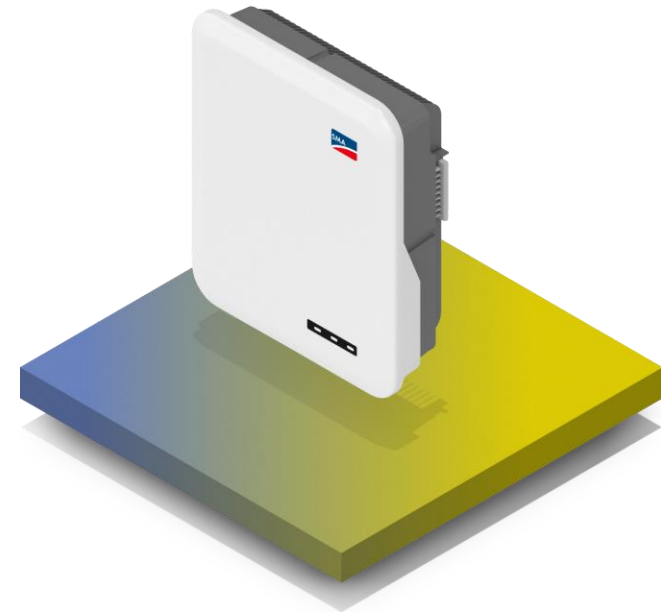
Highest flexibility

versatile for expanding existing systems to include PV and battery-storage systems.

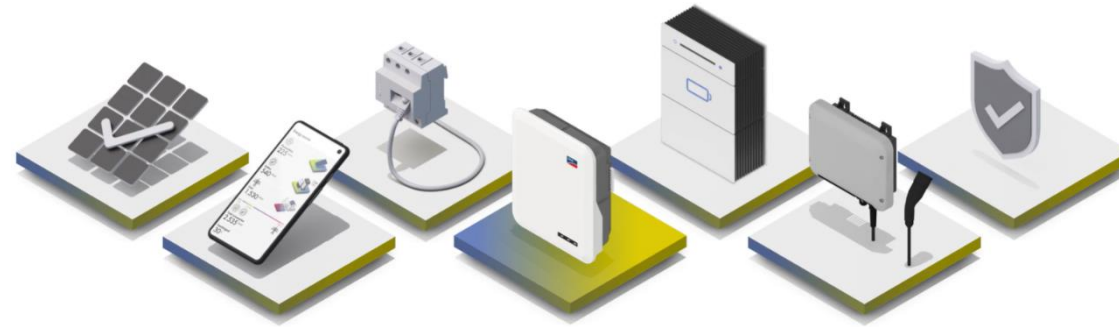


Easy installation & handling

quick to install and easy to use by means of the 360° app.



System integration into the SMA Energy System Home. Modular, everything from a single source.*



Sunny Design (and also SMA 360° app): planning and design



SMA ShadeFix:
securing maximum yields



Sunny Portal und SMA 360° App:
visualization and easy control



Sunny Home Manager 2.0:
integration of all energy sectors** e.g., with outstanding SMA EV Charger



SMA Energy App:
overview of your customers' overall system



SMA Smart Connected:
automatic inverter monitoring



10-year warranty with 5+5***

1. * The battery is not sold by SMA.

2. ** Energy sectors that can be integrated with the Sunny Home Manager: heat supply, i.e., HVAC, e-mobility and smart home components (intelligent control of direct and indirect loads).

3. *** 5 years warranty plus 5 years in case of product registration. For detailed information, please refer to the warranty conditions.

System integration into the SMA Energy System Home. Sunny Home Manager – the head of the system.

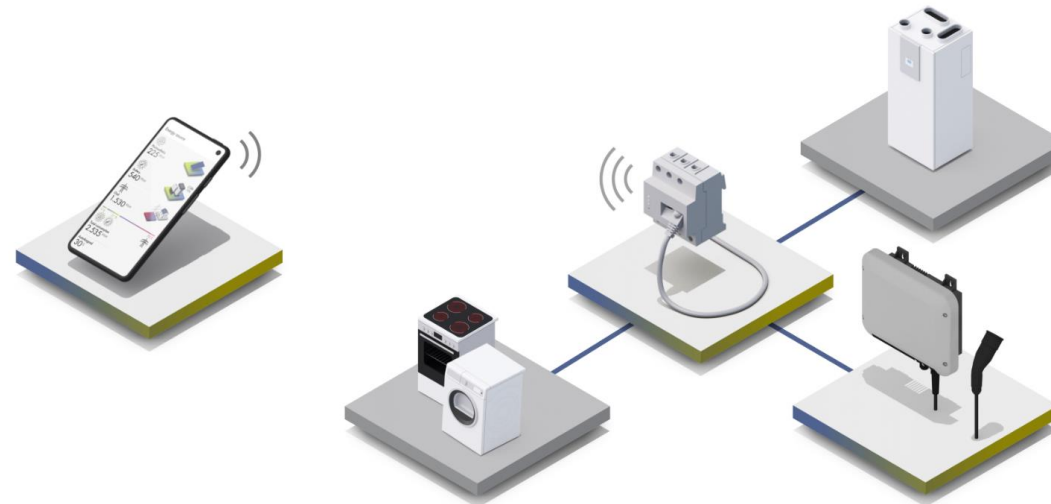


Automatic optimization of the battery charging,
preventing energy losses, e.g.,
due to feed-in limits

Intelligent battery use through
forecast-based charging

Integrated energy:
Save up to 80% on energy costs

Intelligent control of the heat pump: More self-consumption
reduces the purchase of expensive
grid-supplied power, such as in the
evening hours



Intelligent interaction with EV charger:
ensures maximum optimized
use of solar power depending
on the requirement

Smart home:
intelligent control of direct and
indirect loads for cost-optimized
use of solar power

Energy app:
visualization of energy flows in the
overall system

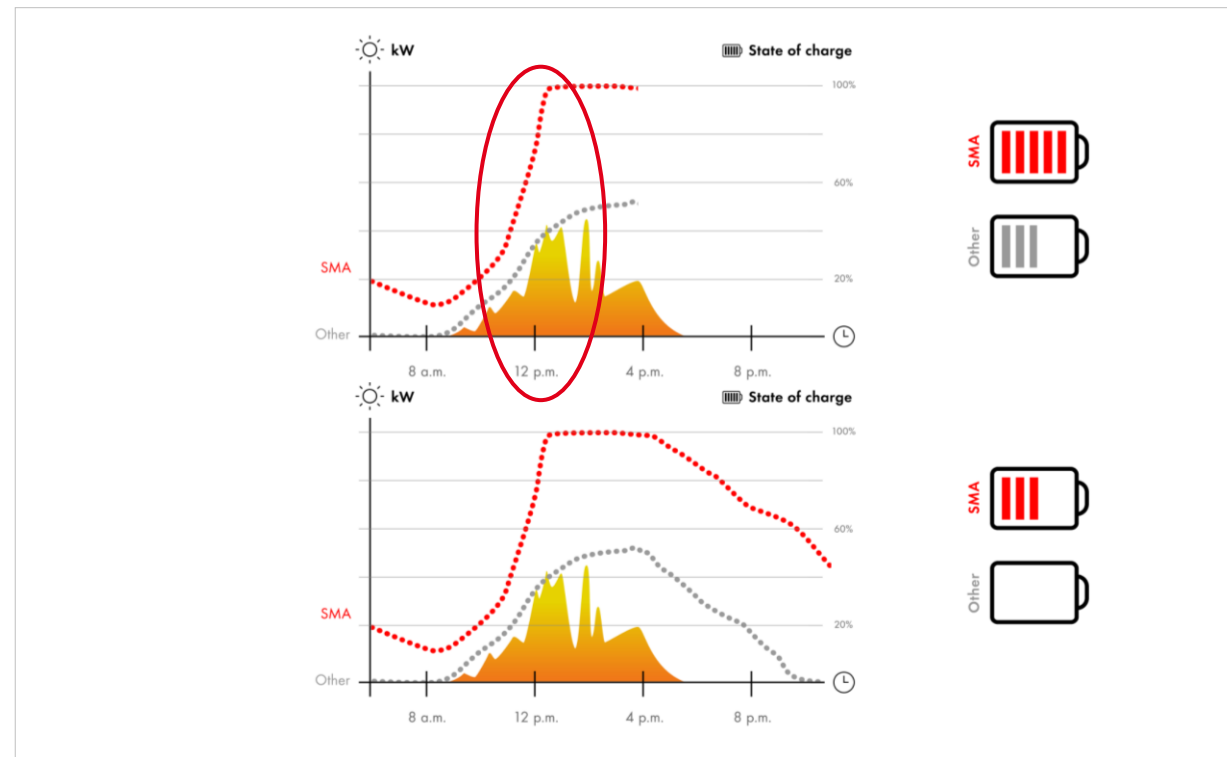
Store energy.

Reliable, safe and flexible through integrated storage function.



- 3-phase hybrid inverter
- Particularly fast charging and maximum battery use, even when the weather is unpredictable
- High discharge power
- Advantage for your customers:

Using more solar power = less grid-supplied power = saving more money!



Store energy. Integrated battery-backup function for supply, even in case of grid failure.



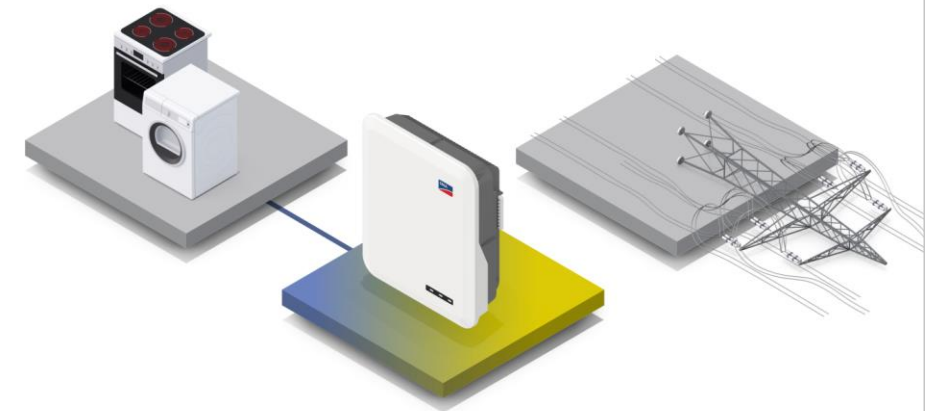
Integrated automatic battery-backup function



Supply of dedicated loads, up to 10kW/3,3 kW per Phase 100 % unbalanced load supply

Integrated battery-backup function

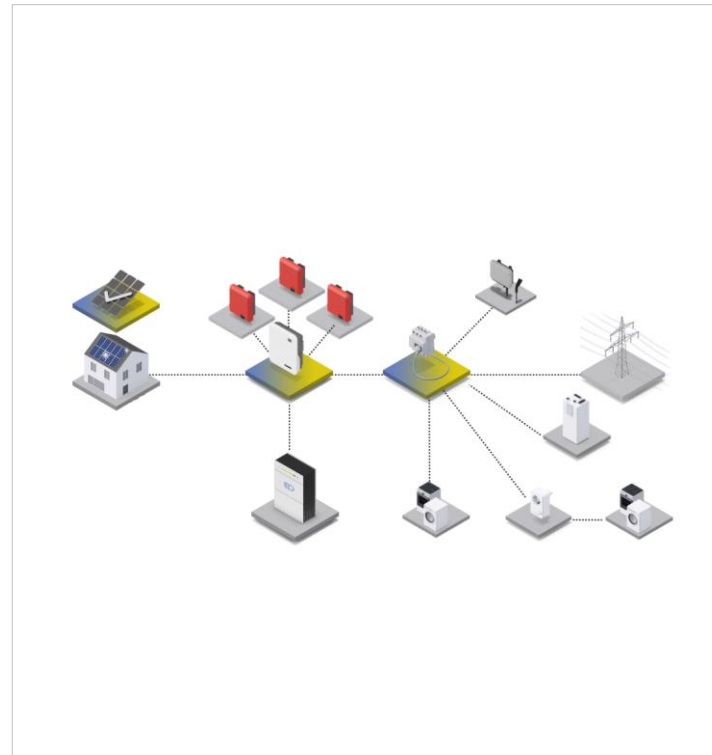
Reliable power supply even in the event of grid failure



Highest flexibility: versatile for new systems and for expanding existing systems to include battery-storage systems.



- **3-phase Hybrid inverter**
- Compatible with **DC-coupled high-voltage batteries** of leading manufacturers (BYD)
- **2 MPP trackers**
- **Integration into larger systems:** overdimensioning and energy use of up to 150% on the DC side
- **Energy use of PV inverters installed in parallel** by combining the DC and AC side
- **Can be applied flexibly** (DC and AC charging possible)









Highest flexibility: versatile for new systems and for expanding existing systems to include battery-storage systems.



Differentiation from existing solutions

New PV systems & expansion of existing PV systems

Power consumption (per year)	Best option/combination of the SMA product portfolio	
< 3.000 kWh		Sunny Island 4.4
		Sunny Boy Storage 2.5 - 3.7 (+ Sunny Boy / Sunny Tripower)
3.000 - 15.000 kWh		Sunny Island 4.4 - 6.0
		Sunny Tripower 5.0 bis 10.0 Smart Energy
> 15.000 kWh		Sunny Tripower 10.0 Smart Energy
		3 x Sunny Island 4.4-8.0 (+Sunny Tripower)

Easy installation & handling.

Quick to install and easy to use.



Intuitive commissioning via smartphone with **commissioning assistant**



2-in-1 solution, thus saving space and time



Installation **without opening the lid**



Without fan (thus no failure of rotating parts)



Up to **10-year warranty***

Quick commissioning

Use the 360° app intuitively



*5 years warranty plus 5 years in case of product registration. For detailed information, please refer to the warranty conditions.

Technical Data



		STP5.0-3SE-40	STP6.0-3SE-40	STP8.0-3SE-40	STP10.0-3SE-40
PV-Input	2 MPP, 12,5A (25A) , 1000V	7.500Wp	9.000Wp	12.000Wp	15.000Wp
Bat-Input	150-600V, bis zu 30A**	7.500W / 6.000W*	9.000W / 7.200W*	10.600W / 10.600W*	10.600W / 10.600W*
AC-Output	3ph. 160-270V	5.000VA	6.000VA	8.000VA	10.000VA
Backup	3ph. 220-240V	5.000W 6.000W 5min 10.000W 10s	6.000W 7.200W 5min 10.000W 10s	8.000W 12.000W 5min	10.000W 12.000W 5min

1. *) Charge/Discharge
 2. **) UPV < 700V and UBAT > 220 V

Why SMA?

SMA is the gold standard for integrated PV installations.



SMA 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.



SMA 360° Professional Support

With the SMA 360° Professional Support, SMA supports its partners from the first moment of contact to commissioning and by providing optimal customer service.



SMA Partner Programm

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

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

The background of the slide is a photograph of a lush green field with tall grass and wildflowers. In the foreground, there are several yellow and purple flowers. In the background, there are trees and a bright sunset or sunrise, with the sun low on the horizon, creating a warm, golden glow. The sky is hazy and the overall scene is peaceful and natural.

Thank you.

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