

SMA  
RESIDENTIAL  
SOLUTIONS

# Switch on to your solar future



Reduce your energy costs by up to 50% with the solar system that grows with your needs

ENERGY  
THAT  
CHANGES



## SMA RESIDENTIAL SOLUTIONS



### **Energy can be a huge cost factor, with demands increasing daily.**

Discover our powerful SMA Residential Solutions that combine intelligent solar technology and services to produce, use and store clean, renewable energy at home. Switch on to your solar future today and sustainably reduce your energy costs by up to 50%. From start to smart. With optimized solutions to suit every need.

## **Join now and start saving up to 50% on energy costs with SMA Residential Solutions**

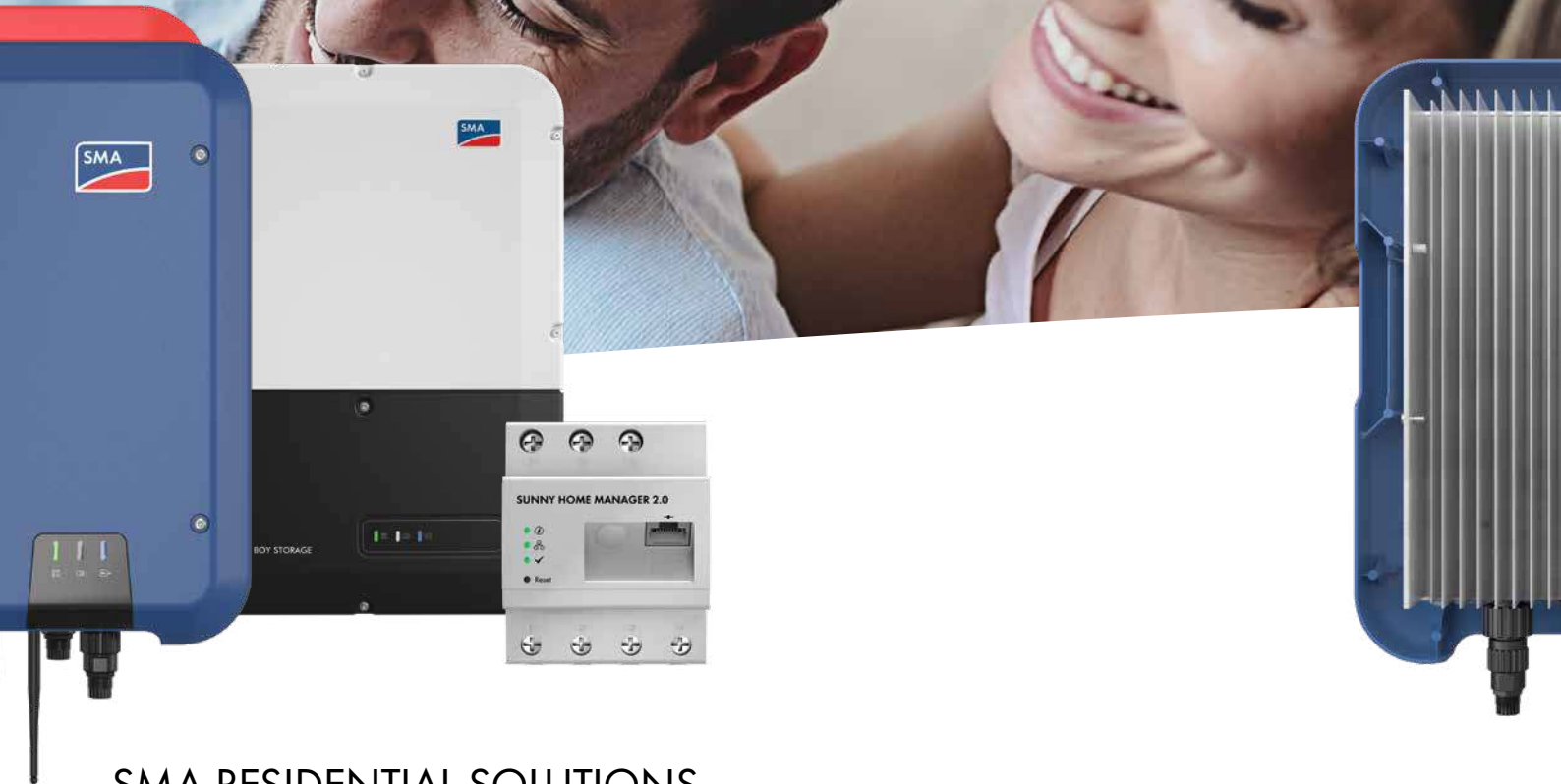
### **Modular system**

Our SMA Residential Solutions are designed to help you not only get the most out of your PV system but also to reduce your total energy costs by up to 50%. Built around highly efficient components, the modular architecture of our solutions gives you the flexibility to configure a system that best suits your needs and budget and makes it easy to expand your system or scale it up over time.

### **All energy sectors**

From generation to storage and consumption or even the selling of unused energy – SMA provides state-of-the-art technology with fully automated services for every sector. At the same time, intelligent energy management enables separate energy sectors to be connected, allowing for cost-effective operation of equipment such as washing machines and heating, ventilation and air-conditioning systems, or for charging e-vehicles.

# The solar system that fits your budget and needs



SMA RESIDENTIAL SOLUTIONS FROM START TO SMART **Select the right solution module.**

<p>Up to <b>30%</b> lower energy costs</p>	<b>SMA RESIDENTIAL SOLUTIONS</b>	
	High-performance inverters <b>SUNNY TRIPOWER</b> <b>SUNNY BOY</b>	PV module optimization <b>TS4-R MODULE</b> <b>TECHNOLOGY</b>
	<b>Produce and optimize</b>	

<p>Up to <b>50%</b> lower energy costs</p>	<b>SMA RESIDENTIAL SOLUTIONS</b>	
	Efficient battery inverters <b>SUNNY BOY STORAGE</b> <b>SUNNY ISLAND</b>	Monitoring and control devices <b>SUNNY HOME MANAGER</b>
	<b>Store and manage</b>	

<b>SMA RESIDENTIAL SERVICES</b>
<b>SMA SMART CONNECTED</b> Automatic inverter monitoring
<b>SMA WARRANTY PROGRAM</b> Up to 25-year warranty

<b>SMA RESIDENTIAL TOOLS</b>
<b>SUNNY DESIGN</b> System planning made easy
<b>SUNNY PORTAL/SUNNY PLACES</b> Easy commissioning and monitoring





## **SUNNY BOY 1.5-6.0 SUNNY TRIPOWER 3.0-10.0**

### **Powerful inverters for maximum yields**

The PV inverter is a central component of SMA Residential Solutions. It converts the direct current generated in the solar cells into alternating current compliant with grid requirements. The new Sunny Boy and Sunny Tripower inverters combine top performance with maximum ease and comfort for system owners and installers. SMA PV inverters reliably ensure maximum solar yields and reduce electricity costs.

PRODUCE AND  
**optimize**

#### **Quick and easy**

- Quick installation due to low weight and external connections
- Compact design means minimum space requirements
- Integrated TS4-R communication for module optimization\*

#### **Higher yields**

- Dynamic active power limitation: direct use of excess energy, less power from the grid
- Integrated shade management with OptiTrac Global Peak
- Energy management and storage solutions can be added

#### **Ultimate convenience**

- Free online monitoring via Sunny Places
- Intuitive commissioning and local monitoring via a smartphone or tablet
- Automatic inverter monitoring with SMA SMART CONNECTED

\*applies only to SB 3.0-6.0-1AV-41 and STP 3.0-6.0-3AV-40 & STP 8.0-10.0-3AV-40





Get even more out of  
your system with leading  
solar technology

EFFICIENT

add-ons

## SMA TS4-R optimizes module efficiency under difficult conditions

The TS4-R module optimizer is the ideal solution for heavier shading or complex roof structures. Each PV module that is shaded or not optimally aligned to the sun can be specifically equipped with the module optimizer for maximum yield.

### Fast installation and digital commissioning

- Tool-free “snap-in” installation on the ground
- Intuitive commissioning via smartphone or tablet

### Maximum flexibility and reliability

- Module optimization, shutdown and monitoring as required
- Long service life and 25-year warranty

Optimize yield easily

TS4-R

# STORE AND control

## SUNNY BOY STORAGE 3.7-6.0

### More energy with efficient storage solutions

The Sunny Boy Storage ensures that your solar power is stored in the batteries to be used again as needed. This way you can use solar power even after sunset. Reliable power supply even in the event of a grid failure.

### Flexible, reliable, convenient

- Up to three high-voltage batteries can be connected
- Integrated secure power supply function
- Intuitive commissioning via smartphone or tablet

**Efficient storage and management  
tailored to your home.**



## SUNNY HOME MANAGER 2.0

### Your control center for intelligent energy management

The Sunny Home Manager 2.0 monitors all energy flows in the home, automatically identifies potential savings and facilitates efficient use of solar energy.





# Attractive SMA services for 100% peace of mind



## SMA SMART CONNECTED – Automatic inverter monitoring for free

All SMA inverters meet the highest quality standards. In the unlikely event of a fault, this service offers you 100% peace of mind.



- Automatic inverter monitoring
- Proactive communication in case of malfunction
- Automatic replacement service
- Compensation if the replacement device is not delivered within 3 days

## Optimum protection of your PV system with the SMA warranty program

Up to 5, 10, 15 or 20 years of extended warranty from commissioning with flexible warranty concepts from SMA.

## SUNNY PLACES and SUNNY PORTAL help you keep constant track of your PV system

With the Sunny Places monitoring tool, you can access all the important data of their PV system, anytime and anywhere. In addition, Sunny Portal – the world's largest PV monitoring portal – provides installers with comprehensive analysis options:

- Energy management and monitoring at the module level
- Detailed display of the energy flows in the household
- Detailed information on energy production, consumption and saving
- Fast diagnosis with access to measured values and event memory

## Solar systems perfectly planned with SUNNY DESIGN

With this powerful tool from SMA, installers can plan your solar system in the shortest possible time – tailored to your individual requirements. There is no reason to wait.

ADVANCED  
tools



MIX  
Paper from responsible sources  
Papier aus verantwortungsvollen Quellen  
FSC® C044084



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