

SMA
RESIDENTIAL
SOLUTIONS

Switch on to your solar future.

Powered by the new SUNNY TRIPOWER



Up to 80% less electricity consumption¹ with
the first PV system that grows with your needs

ENERGY
THAT
CHANGES





Discover our powerful SMA Residential Solutions that combine intelligent solar technology and services to produce clean, renewable energy at home while opening up significant cost savings. Energy can be a huge cost factor, with demands increasing daily. Private homeowners today are no longer just consumers of energy; an ever-increasing number are also becoming power generators themselves, or even suppliers. This puts them firmly in control of their energy costs. With SMA Residential Solutions, you can protect your home against continually rising energy costs and switch on today to the energy world of the future.

Join now and start saving on energy costs, with up to 80% less electricity consumption¹ achieved with SMA Residential Solutions.

Modular system

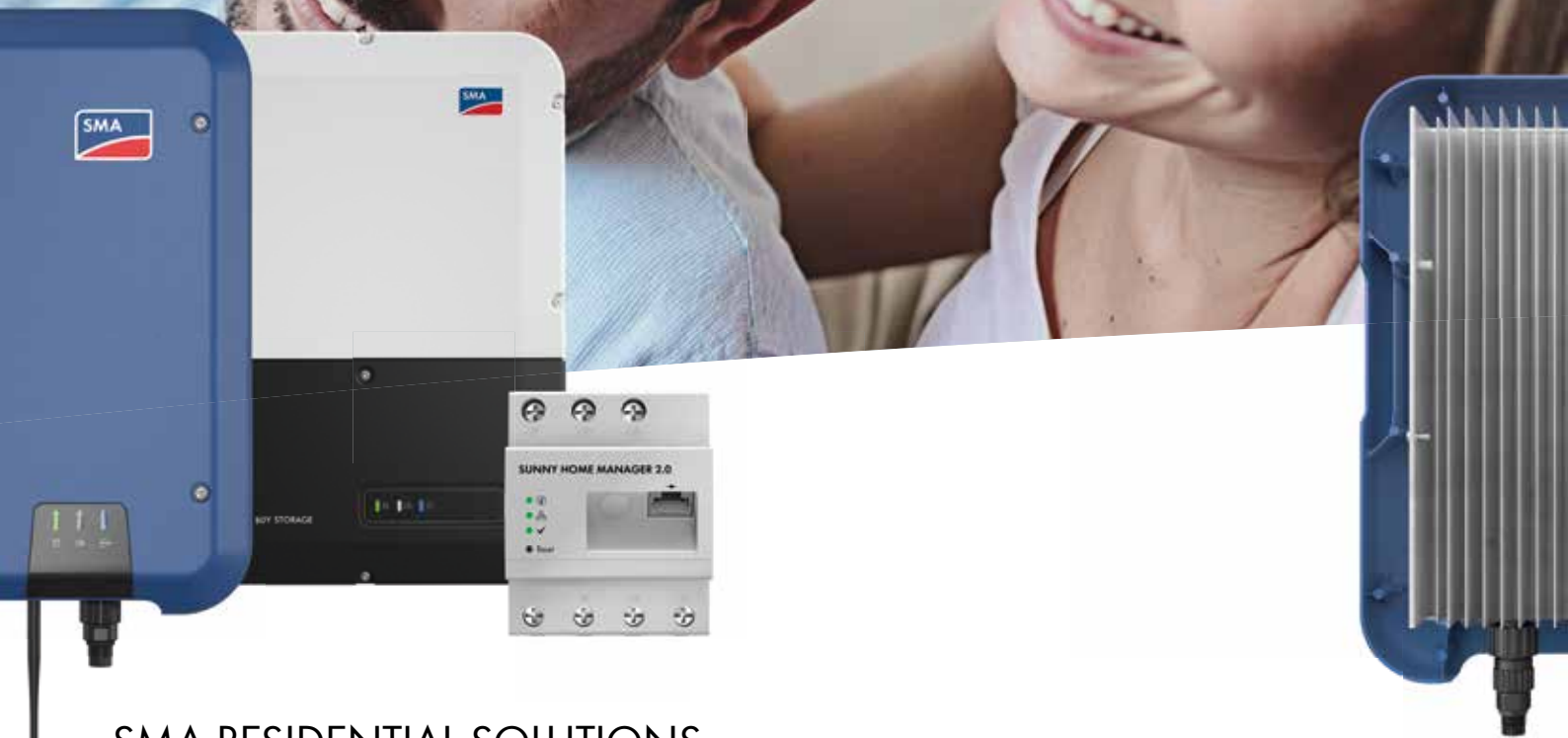
Our SMA Residential Solutions are designed to help you not only get the most out of your PV system but also to reduce your total electricity consumption by up to 80%¹. Built around highly efficient components, the modular architecture of our solutions gives you the flexibility to configure a system that best suits your needs and budget and makes it easy to expand your system or scale it up over time.

All energy sectors

Whether generation, storage, 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 the charging of e-vehicles.

¹ Calculation based on average daily electricity consumption of an Australian 5 person household, consuming up to 30kWh per day and with a 5kW PV system, 2.5kW battery system with 10kWh of usable storage

The solar system that fits your budget and needs



SMA RESIDENTIAL SOLUTIONS From start to smart. Select the right solution module.

<p>Up to 30% less electricity consumption²</p>	<p>SMA RESIDENTIAL SOLUTIONS</p>		<p>SMA RESIDENTIAL SERVICES</p>
	<p>Next generation PV inverters, e.g. SUNNY TRIPOWER SUNNY BOY</p>	<p>PV module optimization TS4-R MODULE SYSTEM</p>	
Produce and optimize			
<p>Up to 80% less electricity consumption¹</p>	<p>SMA RESIDENTIAL SOLUTIONS</p>		<p>SMA RESIDENTIAL TOOLS</p>
	<p>Easy & efficient storage inverters, e.g. SUNNY BOY STORAGE SUNNY ISLAND</p>	<p>Monitoring & control devices, e.g. SUNNY HOME MANAGER</p>	
Store and manage			

Powered by **ennexOS**

¹ Calculation based on average daily electricity consumption of an Australian 5 person household, consuming up to 30 kWh per day and with a 5kW PV system, 2.5 kW battery system with 10 kWh of usable storage

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Get even more out of your system with leading solar technology



SUNNY TRIPOWER 3.0–6.0 NEW! Powerful inverter for maximum yields

The 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 Tripower 3.0–6.0 combines top inverter performance with maximum ease and comfort for system owners and installers. The Sunny Tripower reliably ensures maximum energy yields and reduces electricity costs.

PRODUCE AND
optimize

Quick and easy

- Quick installation due to 17 kg 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 surplus energy, less grid dependence
- Integrated shade management with OptiTrac Global Peak
- Intelligent energy management and storage solutions can be added anytime

Ultimate convenience

- Free online monitoring via Sunny Places
- Intuitive commissioning via smartphone or tablet
- Automatic inverter monitoring with SMA Smart Connected





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 & digital commissioning

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

Maximum flexibility & reliability

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

TS4-R

Easy yield optimization



STORE AND manage

SUNNY BOY STORAGE 3.7-6.0

As unique as your power consumption

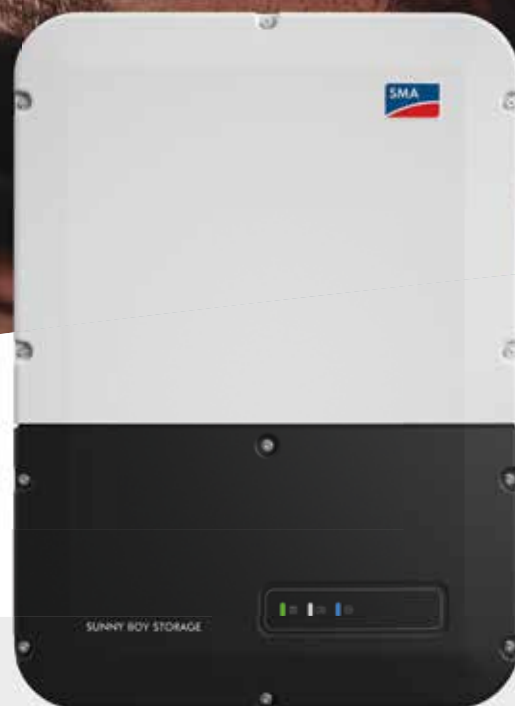
More energy with efficient storage solutions

The Sunny Boy Storage stores your home's surplus solar energy and supplies it whenever it is needed. This way you can use solar power around-the-clock - including 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 Free, automatic inverter monitoring

All SMA inverters meet the highest quality standards. However, 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 replacement device is not delivered within 3 days
- Available in AU, AT, BE, CH, DE, ES, FR, IT, LU, NL, UK

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 Monitoring made easy

With the Sunny Places monitoring tool, system owners can access all the important data of their 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 through 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
Powered by ennexOS



ENERGY
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