



# The new SUNNY TRIPOWER X





# The new **SUNNY TRIPOWER X**

Future solutions, preinstalled.

# SUNNY TRIPOWER X – The Beginning of a New Era



The **new Sunny Tripower X** leads to the future of energy management.

## The new X-series

- ...is in the center of the system.
- ...combines the four sectors in the SMA Energy System Home & Business (Generating solar power, Storing solar power, e-mobility & energy management).
- ...multiplies your possibilities – today and in the future.

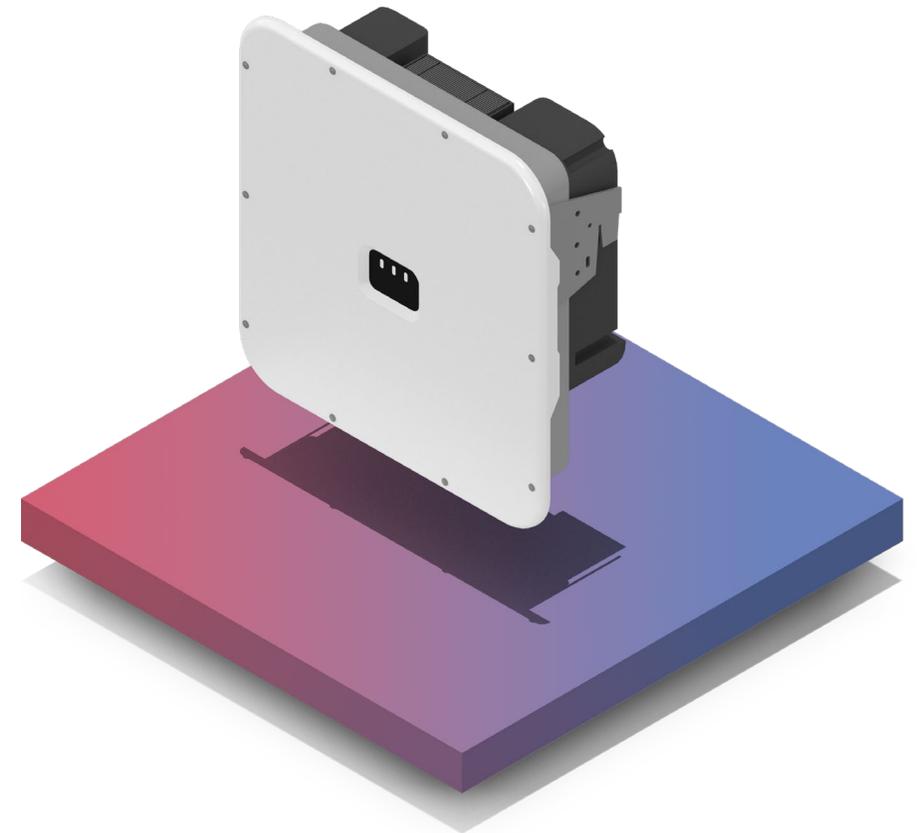
# The New SUNNY TRIPOWER X. Future solutions, pre-installed.



## The new Sunny Tripower X

The latest solution for commercial energy use and energy management with proven SMA quality.

- Greatly improved successor to the established **Sunny Tripower TL-30**
- 40 years of PV experience have been incorporated into the development
- Product design aimed at a long lifetime
- Advanced system expertise
- Made in Germany



# The New SUNNY TRIPOWER X. Advantages at a glance.



## System Integration

- New **center piece of the proven SMA Energy System Business**
- Seamless integration in overall system

## Intelligence Inside

- Now available: **integrated System Manager** and **modular design** allowing future energy management functions
- Maximum yields thanks to **SMA ShadeFix** and **Smart Connected**

## Highest Flexibility

- **3 MPP tracker** for flexible system design
- Digital inputs and multifunction relays

# System Integration: Easy integration of future use cases



The new center piece  
in the **SMA Energy System**

Integration into the overall system via integrated  
System Manager (or SMA Data Manager M or  
Sunny Home Manager 2.0)

Compatible with existing systems

Central parameterization, commissioning and  
monitoring of the system

Same user-friendly web interface



# Intelligence Pre-Installed

## Not only inverter, but also system manager.



### New integrated system manager inside

- Monitoring & control of up to five inverters (with up to 135 kVA) and 1 energy meter
- Direct access to SMA Sunny Portal powered by ennexOS
- Enables efficient monitoring in the portal through grouping of systems

**SMA Dynamic Power Control** offering dynamic control of active and reactive power

**SMA ShadeFix**

**SMA Smart Connected**

**SMA ArcFix** integrated (AFCI) for enhanced plant safety

Fast in-app commissioning via Wi-Fi and Ethernet

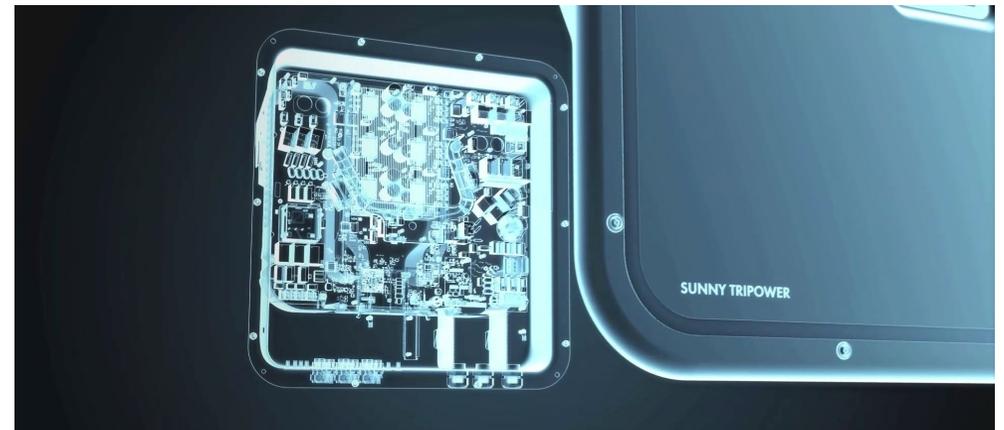


# Maximum Flexibility

All-in-one solution – can be adapted to any type of installation.

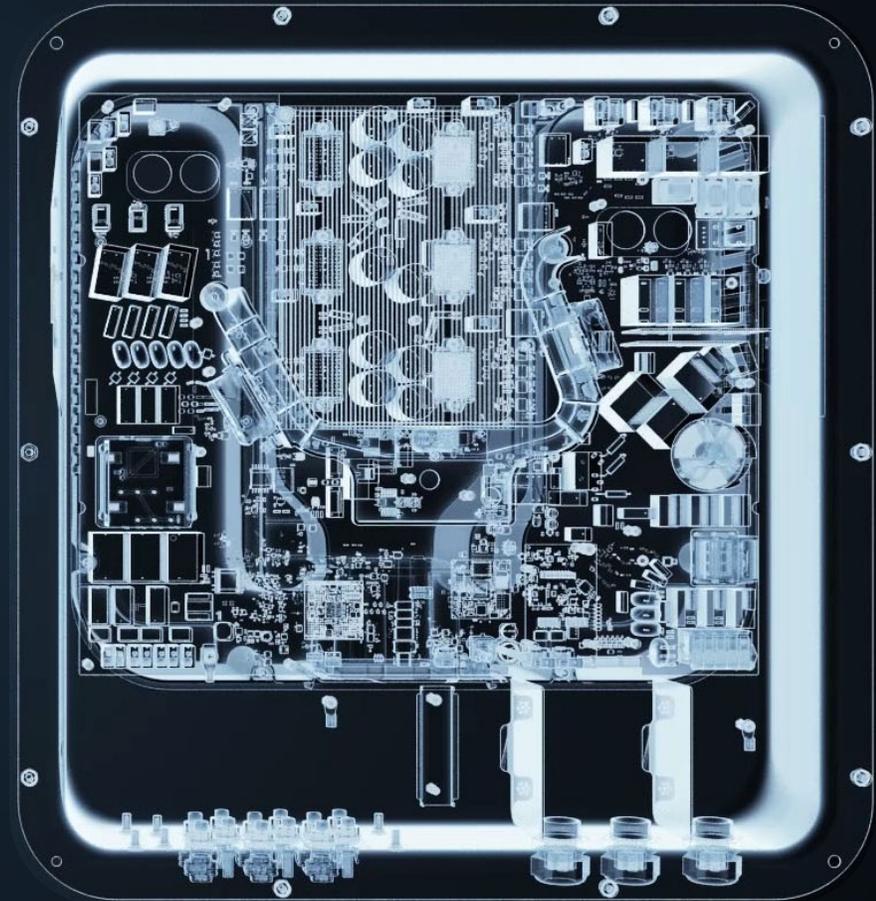


- **3 MPP trackers** to cover all possible scenarios
- Wide range of **4 power classes** (12/15/20/25 kW)
- Up to **150% oversizing** of PV array
- Can be used flexibly in **business applications**
- **Digital inputs** and **multifunction relay**
- **Simplified grid and system protection** similar to CORE1
- **Integrated I-V curve diagnostics** for easily detecting yield loss



# The new Sunny Tripower X design. Long lifetime due to efficient cooling.

- Improved protection of electronic components due to generous product design
- Optimized ventilation ensuring longevity of the parts, Opticool



# Technical data



	STP X 12	STP X 15	STP X 20	STP X 25
<b>PV input</b>	18,000 W <sub>p</sub> , STC	22,500 W <sub>p</sub> , STC	30,000 W <sub>p</sub> , STC	37,500 W <sub>p</sub> , STC
Max. V <sub>DC</sub>	1,000 V			
Max. I <sub>DC</sub> / Max. I <sub>DCsc</sub>	24 A / 35 A per MPP tracker			
MPP tracker	3 MPP tracker / 2 strings per MPP tracker, 24 A			
<b>AC output</b>	12,000 VA	15,000 VA	20,000 VA	25,000 VA
AFCI / I-V diagnostics*	● / ●			
DC surge protection (type 2, type 1/2)	○			
Dimensions (W/H/D)	728 mm / 762 mm / 266 mm (28.7 in / 30 in / 10.5 in)			
Weight	35 kg / 77 lbs			
Interface: Ethernet / Wi-Fi / RS485	● (2 ports) / ● / ○			
SMA Modbus / SunSpec Modbus / Speedwire	● / ● / ●			
Multifunction relay / expansion slot / digital inputs	● / ● (1 port) / 6 (e.g. for ripple control receiver)			



# C&I Inverter Product Portfolio (MoW)

## Sunny Tripower X



Field of Application	< 10 kW	< 12-25 kW	< 50 kW	< 110 kW	< 500-xx kW
Large Home	 STP 3AV-40	 Sunny Tripower X			
Commercial		 Sunny Tripower X	 Sunny Tripower CORE1		
Large Commercial				 Sunny Tripower CORE2	

# 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 Solar Academy

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



**Thank you.**

## **SMA Benelux**

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