



# Future solutions, pre-installed **Sunny Tripower X**

PV inverter and system manager in one.

The proven SMA quality in a new system designed for commercial energy generation and management.

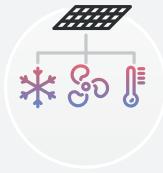
**Made in Germany. Expert Engineering.  
Quality you can trust.**



Save up to 80% on energy costs\*



Planning reliability and  
protection against rising  
energy prices



Increase self-consumption  
of solar power through intelligent  
energy management



Particularly high yields  
increase return  
on investment (ROI)



# Generate solar power and use it effectively



## The driving force behind your business.

The Sunny Tripower X is the latest in commercial energy use and the new center piece of the proven SMA Energy System Business. Development has incorporated 40 years of experience in photovoltaics, opening up all kinds of opportunities for making use of solar power both now and in the future. With its integrated system manager, it can ensure that small and medium-sized operations are ideally prepared for the energy market.

The latest technology coupled with the usual high standard of service from SMA enables comprehensive, cost-effective and climate-neutral energy generation that will insulate you from the effects of rising energy prices. The modular system structure allows for varied and personalized usage as well as seamless integration into the overall system, optimized to suit the energy management functions of the future.

### System integration

- New center piece of proven SMA Energy System Business
- Can be integrated seamlessly into the overall system

### Intelligence pre-installed

- Now: System Manager integrated with modular expansion options to accommodate future energy management functions
- Maximum yield thanks to SMA ShadeFix and Smart Connected
- SMA ArcFix (arc-fault circuit interrupter, AFCI) for increased system safety

### Maximum flexibility

- 3 MPP trackers for flexible system design
- Digital inputs and multifunction relay integrated



## Easy handling

# Maximum flexibility

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

Developed as a comprehensive system, the Sunny Tripower X is the smartest inverter for sustainable energy generation.

A range of functions enabling easy integration into any type of installation ensures a diverse array of possible uses in commercial applications.

The inverter is produced in our factory in Germany that is supplied with climate-neutral electricity and heat.

- **3 MPP trackers**  
High flexibility in system design
- **Up to 150% overdimensioning of PV array**  
Reliable and consistent energy yields
- **Covers a broad range in the 15 kW, 20 kW and 25 kW power classes**  
Can be used in a variety of applications in business and large private homes
- **Digital inputs and multifunction relay integrated**  
System-specific configuration
- **Simplified grid and PV system protection**  
Disconnects the PV from the grid

# One system. Everything from a single source.

Current and future use cases easily integrated



## Sunny Tripower X

The comprehensive system for commercial energy generation with intelligence installed by default

## SMA Data Manager M

Professional system manager for commercial systems for monitoring, management and grid-compatible power control

## SMA Sunny Portal

Professional monitoring and efficient management of PV systems

## Heat pump

Compatible heat pump that can be integrated seamlessly into the energy system and makes CO<sub>2</sub>-free heat supply possible.\*\*

## SMA Smart Connected

Premium monitoring service for reliable system monitoring

## SMA ShadeFix

SMA ShadeFix is a proprietary and integrated inverter capability that optimizes the yield of PV systems in every situation - even in the shade.

## SMA System Manager

Monitoring and control system integrated into Sunny Tripower X. Enables monitoring, management and grid-compatible power control.

# Intelligence pre-installed

State-of-the-art technology combined in one device

Achieving a successful energy transition calls for rapid expansion in renewable power generation. Cross-sectoral energy management is an essential requirement for this. The system manager integrated into Sunny Tripower X enables comprehensive energy management on one platform, powered by the awarded ennexOS operating system - ready for use to ensure that your business can generate energy in a sustainable way.

## Multiplying potential

The Sunny Tripower X combines an inverter, system manager, SMA Smart Connected and SMA ShadeFix in one device. This comprehensive system cuts down on the amount of additional hardware required, minimizes the risk of failure, increases the PV system's lifetime and improves safety. Furthermore, the modular design means that the integrated System Manager provides scope for additional application options.

## Keep a close eye on energy costs

Thanks to the professional monitoring and control functions of SMA Sunny Portal powered by ennexOS, you can obtain a full picture of energy flows across all sectors. Potential for optimization can be identified and swiftly translated into action anytime. That improves the return on your investment, as energy costs can be reduced significantly and energy efficiency increased at the same time.

### System manager integrated

- Monitoring and control of five SMA inverters in total (up to 135 kVA) and one energy meter
- SMA Dynamic Power Control: dynamic closed-loop control of active and reactive power
- Easy commissioning via the usual standard web interface
- Central system parameterization and monitoring thanks to direct access to Sunny Portal by ennexOS



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