

FULL OF SIMPLICITY.  
FULL OF SECURITY.  
FULL OF ENERGY.

SMA



SMA COMMERCIAL ENERGY SOLUTION

# SMA Storage XL Package

The holistic SMA solution for commercial storage, combining indoor and outdoor applications from an experienced specialist.

SMA.de

FOR INSTALLERS



# SMA Storage XL Package

Intelligent energy management for greater efficiency and new opportunities

Give businesses tighter control of energy costs and operations with the SMA Storage XL Package. Now with indoor and outdoor variants, fully preassembled for seamless integration into the SMA Commercial Energy Solution.

- Lower energy costs through self-consumption optimization and peak load shaving
- Schedule-based controls to charge when rates are low and discharge when they are high (Energy Planner)
- Multi-Use capability to combine operating modes
- Free system monitoring via Sunny Portal powered by ennexOS
- Ready for tomorrow: supports dynamic tariffs\*

## Plug-and-Play-Simplicity

Installations are faster, simpler, and safer thanks to a fully preassembled design. Individual battery modules no longer need to be manually assembled on site, saving time and reducing risk of errors. A streamlined battery management system enables fast commissioning, reducing training requirements, while Sunny Portal powered by ennexOS provides comprehensive monitoring of all devices.

The flexible design and scalability up to four systems offers indoor and outdoor options.

This solution integrates seamlessly into the SMA Commercial Energy Solution.

\* Not valid in all countries.

## Components of the SMA Commercial Energy Solution



### HARDWARE:

#### **SMA Storage XL Package**

Includes the SMA Storage XL Battery for indoor or outdoor installation and the Sunny Tripower Storage X battery inverter. Stores solar power and provides it when needed.

#### **SMA Commercial Energy Meter**

An energy meter is required for operating the SMA Storage XL Package. The SMA Energy Meter monitors all energy flows within the system.

#### **SMA eCharger**

Charge your electrical vehicles with your self-generated solar power.

### SOFTWARE:

#### **Sunny Portal powered by ennexOS**

Easy and efficient online monitoring of your SMA Commercial Energy Solution.

#### **Sunny Design**

The planning tool for PV systems and comprehensive energy systems.

#### **SMA eMobility Portal**

Visualizes the charging process and manages the user profiles.

### TRAINING:

#### **SMA Solar Academy**

Webinars, hands-on training, and practical TechTip videos.

### SERVICE:

#### **10-year warranty**

SMA warranty conditions for the SMA Storage XL Package create investment security.<sup>1</sup>

#### **Services**

We provide peace of mind and proven expertise throughout the entire project lifecycle.<sup>2</sup>

<sup>1</sup> Valid only once the system has been registered with SMA. Battery: 10-year capacity warranty. The SMA warranty conditions apply.

<sup>2</sup> Country-specific deviations possible



# Sunny Tripower Storage X

Integrated Intelligence – More Flexibility, More Profitability

The Sunny Tripower Storage X is the heart of the SMA Storage XL Package. With its integrated energy management and the new Energy Planner, it offers unprecedented precision in managing PV generation, battery storage, and grid interaction.

## Energy Planner Highlights:

- Time- and calendar-based control for maximum efficiency
- Optimized self-consumption and targeted peak load shaving
- Local, secure operation, ideal for sites without permanent internet access
- Reusable configuration templates for faster commissioning



# Maximum Flexibility

## Powerful indoor and outdoor systems that scale with your projects

Choose from four preassembled battery systems and expand according to site needs – deploy up to four batteries per installation in parallel.



### Indoor versions

Order Code	System components				Optional
	Inverter power	Inverter (type designation)	Battery capacity	Battery (type designation)	Commercial Energy Meter <sup>1</sup>
CSS-89-IN-30-30	30 kW	STPS30-20	89 kWh	CS-89-IN-30	COM-EMETER-A-20, COM-EMETER-B-20, JANITZA-SP
CSS-89-IN-50-30	50 kW <sup>2</sup>	STPS50-20	89 kWh	CS-89-IN-30	
CSS-197-IN-50-30	50 kW	STPS50-20	197 kWh	CS-197-IN-30	



### Outdoor versions

Order Code	System components				Optional
	Inverter power	Inverter (type designation)	Battery capacity	Battery (type designation)	Commercial Energy Meter <sup>1</sup>
CSS-107-OUT-30-30	30 kW	STPS30-20	107 kWh	CS-107-OUT-30	COM-EMETER-A-20, COM-EMETER-B-20, JANITZA-SP
CSS-107-OUT-50-30	50 kW	STPS50-20	107 kWh	CS-107-OUT-30	
CSS-197-OUT-50-30	50 kW	STPS50-20	197 kWh	CS-197-OUT-30	

<sup>1</sup> Required for operation. Must be ordered separately.

<sup>2</sup> Not available across the entire state of charge (SOC) range of the battery.



## Coordinated system solutions from a single source

The modular configuration of the SMA Commercial Energy Solution allows you to intelligently interlink the energy intensive areas of electricity, heating and transportation. This increases the energy independence of your customers and optimizes the efficiency of the energy supply. The solutions can be individually tailored to the company's budget and needs.

The ideal combination of high-quality SMA solar and battery inverters, system components, intelligent software and optimal services gives you numerous attractive configuration options for customized energy systems:

- Generate solar power efficiently, use it intelligently or store it for later use – and have a secure supply around the clock
- Integrate and intelligently combine charging solutions for e-mobility and CHP plants for supplying heat

# Why SMA?

Choose the storage specialist trusted by professionals

Build on 30+ years of storage experience and a proven holistic solution concept that professionals rely on worldwide. Expect rigorously engineered systems, intensively tested in Germany, and designed for long-term channel success.

- **Rely on holistic customer support:** SMA 360° Professional Support from planning to certification, plus responsive service infrastructure to keep projects moving.
- **Upskill with SMA Solar Academy:** practical courses (in person or online) and certification programs tailored to products, systems, and solutions.
- **Join the SMA Partner Program:** access exclusive sales, service, and marketing benefits with close cooperation from SMA.
- **Offer proven SMA quality with confidence:** 10 year system warranty and battery capacity guarantee, backed by SMA conditions and registration.





# Integrated Cybersecurity

SMA Storage XL Package + Sunny Portal powered by ennexOS

With the SMA Storage XL Package at the edge and Sunny Portal powered by ennexOS in the cloud, cybersecurity is integrated end-to-end to protect data, devices, communication, and the grid, now and as standards evolve. The inverter provides secure-by-default configuration, mandatory password change during

commissioning, automatic firmware updates and encrypted communications. The portal adds ISO/IEC 27001 - certified information security management. Communication are encrypted, and all data is stored in the EU using SMA developed software.





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