



## **SMA On-site commissioning of the SMA COMMERCIAL STORAGE SOLUTION**

**ESSX-30-20 / ESSX-50-20**

## 1 Service overview

### NOTICE

#### Damage due to incorrect installation or connection

SMA Commercial Storage Solution can be damaged by incorrect installation or incorrect electrical connection.

- Only have the SMA Commercial Storage Solution mounted by qualified persons (see system handbook of the SMA Commercial Storage Solution).

With the service "SV-050-01-10001500: Commissioning of SMA Commercial Storage Solution (ESSX-X0-20)" the final assembly and commissioning are carried out for the previously installed STPS30-20 / STPS50-20 and for the assembled, but not wired, battery cabinets.

## 2 Validity

The given information is non-binding and of illustrative purpose. The SMA commissioning requires the potential Customer to place a purchase order.

The service product "Commissioning the SMA Commercial Storage Solution" applies to the following SMA products:

- ESSX-30-20 (SMA Commercial Storage Solution 32 kWh)
- ESSX-50-20 (SMA Commercial Storage Solution 56 kWh)

## 3 Overview of the scope of service

- Final assembly of a maximum of 8 battery cabinets
- Commissioning of a maximum of 4 STPS30-20 / STPS50-20
- Commissioning of the SMA System Manager
- Communicative integration of the PV inverters into the System Manager
- Firmware update of the components of the SMA Commercial Storage Solution
- Integration of the System Manager into the SMA Sunny Portal (ennexOS)
- Setting the energy management function, e.g. the increased self-consumption
- Parameter setting of the STPS30-20 / STPS50-20 via the System Manager according to electric utility company specifications.

If the inverters are to be controlled, the service "SV-050-01-10001410: SMA Remote Commissioning for Commercial Systems" must be booked separately.

- Creation of a commissioning protocol
- Instruction of the operating personnel (maximum duration 1 hour):
  - Instructing the qualified and operating personnel on site to ensure proper handling of the components delivered by SMA Solar Technology AG
  - Operation of the components delivered by SMA Solar Technology AG
  - Behavior in the event of a disturbance

## 4 Not included in the scope of service

- In the course of commissioning, SMA Solar Technology AG will neither check that Modbus TCP/IP communication with other devices is working properly, nor configure the settings of other peripheral devices (e.g. SCADA systems, router, telecontrol or weather stations).
- Controller configuration cannot be defined and set on site. This must be booked via the separate service "SV-050-01-10001410: SMA Remote Commissioning for Commercial Systems".

## 5 Service provider

Commissioning of the SMA Commercial Storage Solution is provided by SMA Solar Technology AG or a subsidiary. SMA Solar Technology AG may commission authorized service partners to perform commissioning.

## 6 Requirements for commissioning

The requirements stated here must be met by the Customer at the Customer's expense. If the commissioning technician detects an improper installation, commissioning cannot take place.

### Requirements

- SMA Solar Technology AG requires that the ESSX-30-20 / ESSX-50-20 is installed according to the valid installation manual. In particular, the installation requirements and the **compliance with locally applicable fire safety regulations** have been observed.
- The battery cabinets – **with the exception of the DC wiring inside the battery cabinet** – must be assembled in accordance with the system manual. If battery cabling is performed by the customer and/or in particular by untrained persons, this may lead to the exclusion of the warranty obligation on the part of SMA.
- The system must be commissioned at the latest **2 months after shipment**. Please note the applicable warranty conditions here because late commissioning will invalidate SMA's warranty obligation.
- The STPS30-20 / STPS50-20 must be installed according to the handbook and ready for operation.
- The energy meter must be installed according to the handbook and ready for operation.
- Optional: SMA PV inverters must be installed according to the handbook and ready for operation.
- The system configuration is shared with SMA Solar Technology AG at least **20 business days** before delivery of the service. This includes the kind and type of installed products and controllers, the kind of energy meter, and the kind and type of PV inverters
- During the on-site commissioning, an installer must be present on site who has administrator rights on the communication product or the system controller as well as knows all the required passwords, and can start the inverters.
- During on-site commissioning, an IT administrator must be present who possesses the required authorization in the customer network to assign or change IP addresses (e.g. the STPS X0-20 IP address or the IP address of the energy meter).

## 7 Services and Customer's obligation to cooperate

SMA Solar Technology AG supports the Customer by configuring the SMA Commercial Storage Solution and setting parameters. The cooperation is subject to some rules.

### Safety policies of the Customer

The Customer is fully responsible for creating and implementing their own safety policies. SMA Solar Technology AG is not responsible for the safety of the Customer's technicians while working on SMA products and equipment. It is the Customer's obligation to fulfill all international and national standards regarding electrical installation and safety.

### Cancellation of agreed date for SMA commissioning

In case the Customer cancels the confirmed appointment later than three business days before commissioning, the following costs will be charged:

- 2 business days before: 50% of one person-day
- 1 business day before: 80% of one person-day

### Additional work required to eliminate errors

Additional work required to eliminate errors, e.g. in the event of problems with the installation of the communication cabling will be charged additionally according to time and expense.

## 8 Type and Application of Service Products

- The service product "Commissioning of the SMA Commercial Storage Solution" refers to commissioning of the standard version of the STPS30-20 / STPS50-20. Further adaptations or configuration of the controller are not included. The product includes travel (only within Germany) and 4 hours worked on site as well as preparation time.
- Expenses beyond this will be billed additionally as technician hours.

## 9 Related services that can be booked separately

### SMA Remote Commissioning for Commercial Systems

- The service product "SV-050-01-10001410: SMA Remote Commissioning for Commercial Systems" is the basic service with a scope of three hours including the preliminary meeting.
- More hours can be booked if SMA and the Customer estimate during the preliminary meeting that more time will be required. These will be billed based on hourly rates.



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