



1 Information on this Document

1.1 Validity

This document is valid for use of the SMA Sunny Boy Storage (SBS3.7-10 / SBS5.0-10 / SBS6.0-10 with a firmware version \geq 3.11.10.R) together with the following batteries:

- HVS 5.1 / HVS 7.7 / HVS 10.2 (BYD Battery-Box Premium HVS)
- HVM 8.3 / HVM 11 / HVM 13.8 / HVM 16.6 / HVM 19.3 / HVM 22.1 (BYD Battery-Box Premium HVM)

1.2 Target Group

The tasks described in this document must only be performed by qualified persons. Qualified persons must have the following skills:

- Knowledge of how batteries work and are operated
- Training in how to deal with the dangers and risks associated with installing, repairing and using electrical devices, batteries and installations
- Training in the installation and commissioning of electrical devices and installations
- Knowledge of all applicable laws, standards and directives
- Knowledge of and compliance with this document and all safety information
- Knowledge of and compliance with all documentation related to the products including all safety information

1.3 Content and Structure of this Document

This document summarizes the specific information that must be observed when using the BYD Battery-Box Premium HVS / HVM with the SMA Sunny Boy Storage 3.7 / 5.0 / 6.0.

This document supplements the documents that are enclosed with each product and does not replace any locally applicable codes or standards. Read and observe all documents supplied with the product.

Illustrations in this document are reduced to the essential information and may deviate from the real product.

2 Commissioning

To put the Sunny Boy Storage into operation together with a BYD Battery-Box Premium HVS / HVM, proceed as described in this section.

Requirements:

- An approved battery inverter combination is used (see technical information "Approved batteries and battery communication connection" at www.SMA-solar.com).
- The Sunny Boy Storage was completely installed and electrically connected (see operating manual at www.SMA-Solar.com).
- The BYD Battery-Box Premium HVS / HVM was completely installed and electrically connected (see operating manual at www.bydbatterybox.com).

Procedure:

1. Establish a connection to the user interface of the inverter (see operating manual at www.SMA-Solar.com).
2. Log into user interface as an Installer.
3. Start installation assistant.
4. Configure network.
5. Set time and date.
6. Select country standard.
7. Configure energy meters.
8. Configure grid management services.
9. Configure battery.

10.

NOTICE

Restart of battery might be necessary.

It may happen that the battery switches off during the battery search in the battery configuration. If the battery makes a clicking sound **and** the LED button on the front of the battery no longer lights up, the battery must be restarted.

- Switch the battery on again by flipping the switch on the right side of the battery. If the battery is turned on again within 2 minutes, the installation assistant will continue to run.
- If the battery is not turned on again within 2 minutes, recommission as described in this document.

11. If necessary, configure the battery-backup system.
12. Complete commissioning.
- The system is ready for operation.