

# REPLACING THE BATTERY PACK SMART ENERGY



## **⚠ DANGER**

### **Danger to life due to high voltages on the Battery Pack**

Lethal voltage is present at the pin connector for the power cable. Reaching into the pin connector for the power cable can result in lethal electric shock.

- Prior to performing any work on the inverter and on the Battery Pack, always disconnect the inverter from all voltage sources (see the operating manual at [www.SMA-Solar.com](http://www.SMA-Solar.com)).
- The Battery Pack may only be mounted and installed by qualified persons with appropriate qualifications (for information on the qualifications of the qualified persons, see the operating manual at [www.SMA-Solar.com](http://www.SMA-Solar.com)).
- Do not open the Battery Pack and leave the protective caps on the pin connectors of the new Battery Pack until the inverter cables are connected to the new Battery Pack.

### **Procedure on Receipt of a New Battery Pack**


- Disassemble the defective Battery Pack.
- Mount the new Battery Pack and connect it to the inverter.
- Pack the defective Battery Pack and organize its return.

### **Disassembling the Defective Battery Pack**

1. Open the packaging of the new Battery Pack and remove the delivery documents and the return note. Be careful when handling the packaging as you will need it later for packaging the defective Battery Pack.
2. Compare the serial number on the return note with the serial number of the defective Battery Pack. The serial numbers must be identical.
3. Keep the delivery documents of the new Battery Pack and the return note for the defective Battery Pack in a safe place. You will need the return note later to prepare the defective Battery Pack for collection.
4. Disconnect the inverter from all voltage sources (see the inverter manual at [www.SMA-Solar.com](http://www.SMA-Solar.com)).
5. Hold the defective Battery Pack by the side handles and slide it to the left of the wall mounting bracket up to the stop. This deactivates the lift-off protection of the Battery Pack and gives you more room to pull out the cables.
6. Remove the data cable from the defective Battery Pack. Press the lateral brackets in and pull the plug out of the pin connector.

7. Remove the power cable from the defective Battery Pack. Turn the plug lock to the left until the plug releases and then pull the plug out of the pin connector.
8. If the protective caps of the pin connectors for the data cable and the power cable are available, use them to cover the corresponding pin connectors of the defective Battery Pack.
9. Insert the data cable and power cable into the bracket on the left-hand side of the inverter.
10. Remove the defective Battery Pack vertically upwards from the wall mounting bracket.

### Mounting the New Battery Pack and Connecting It to the Inverter

1. Remove the new Battery Pack from the packaging and put the packaging aside. Be careful when handling the packaging as you will need this later for packaging the defective Battery Pack.
2. Hang the new Battery Pack to the left of the inverter in the wall mounting bracket. The right-hand side of the Battery Pack must be flush with the hook-in position marked on the wall mounting bracket.
3. Remove the protective caps from the pin connectors for the data cable and power cable and retain them for possible decommissioning.
4. If the protective caps of the defective Battery Pack are no longer available, place the protective covers of the new Battery Pack on to the pin connectors of the defective Battery Pack.
5. Release the data cable and the power cable from the bracket on the inverter.
6. Insert the power cable plug in the pin connector for the power cable. Insert the plug into the pin connector and turn the lock to the right until the plug snaps into place.
7. Ensure that the plug is securely in place.
8. Connect the data cable for communication between the inverter and the Battery Pack to the D-sub plug of the Battery Pack.
9. The plug snaps audibly into place.
10.  **CAUTION**  
**Danger of crushing if the Battery Pack is jolted**
  - Grip the Battery Pack by the handles and carefully push it to the right as far as the stop.
11. Position the protective cover over the Battery Pack. The brackets on the right-hand side of the protective cover must engage with the guides on the left of the inverter enclosure. Then press the left side of the protective cover down onto the Battery Pack until it snaps into place.

## Packing the Defective Battery Pack and Organizing Its Return

### **⚠ DANGER**

#### **Danger to life due to incorrect packaging and transport**

The Battery Pack is considered to be dangerous goods. Special regulations must be complied with regarding packaging and transport.

- Packaging and transport of the Battery Pack may only be carried out by persons who have been trained in accordance with Section 1.3 ADR and whose training has been documented.



1. Place the supplied foil bag in the packaging in which the new Battery Pack was delivered. The open side of the foil bag must face upwards.
2. Place the defective Battery Pack in the foil bag.
3. Place the moisture absorber next to the defective Battery Pack in the foil bag.
4. Close the foil bag.
5. Seal the packaging with suitable adhesive tape.
6. Organize the return of the package. Contact the SMA Service Line.