### Battery Connections

1. Battery Connections

   - Battery replacement can only be carried out by qualified personnel. If the Battery needs to be changed, it should be placed with the same specification as the manufacturer’s specifications.
   - Battery replacement can only be carried out by qualified personnel. If the Battery needs to be changed, it should be placed with the same specification as the manufacturer’s specifications.
   - Do not reconnect any of the batteries that was previously disconnected before starting electric cable connections.
   - Battery replacement can only be carried out by qualified personnel. If the Battery needs to be changed, it should be placed with the same specification as the manufacturer’s specifications.
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   - Battery replacement can only be carried out by qualified personnel. If the Battery needs to be changed, it should be placed with the same specification as the manufacturer’s specifications.

   1. Open the bottom cover of INVERTER and Battery case.
   2. Connect (+) and (-) terminal (Battery). And then connect the ground terminal. (See Chapter 5.8.4)
   3. Turn the cable gland counterclockwise to check the tightness.
   4. Connect Battery communication cable. If you use more than one Battery (8kWh or more), use the adaptor (Amphenol) for Battery communication. (Ex. If you use 3 Battery, you need 2 adaptors for BMS communication)

   - When using the adaptor, hold the communication cable and fasten the silver color of the adaptor to anticlockwise.

   5. Connect the (+) and (-) wire (PCS) to the marked terminal (Battery).

   6. Change the switch on.

   7. Close the body cover of INVERTER and Battery cases.

### Wiring Schematic of Single-Phase System (For Germany)

[Diagram]

1. Connect the (+) and (-) wire (PCS) to the marked terminal (Battery), and then connect the ground terminal. (See Chapter 5.8.4)

2. Connect PV, AC Grid, and Energy meter (See Chapter 5)
4. Installing

[Serious]/[SIS/Hi-Wi]

1) Open your mobile browser.
2) Enter the URL: https://sphinx.anshinetech.com
3) After connection is made, click the "On the product information page, click the "Detailed Product Information" button.
4) Enter your ID and password in the login window.
5) After login, the main installer page appears. Go to Product Information.
6) Enter the product information and customer information.
7) Select a country at Product Info. (When you select a country at Product Info, it is automatically set to the country-specific default setting.)
8) If it is saved successfully, you can see the success message.
9) In order to check operation status, perform the product test. For this purpose, it may take 5 to 10 minutes.
10) Enter the value for the Fault Lock setting.
11) On the product information page, click the "Detailed Product Information" button.
12) Conversely, if the Battery installation is completed, the following screen will appear.

Battery Installation Process 1

1) Click here.
2) Wait for the battery to connect.
3) Click here.
4) For the max power per string.
5) Select a Feed in Limit percentage.
6) Select the number of installed batteries.
7) Select 3rd Party Connect Enable / Disable.
8) Select the number of installed batteries.
9) Enter the value for the Feed in Relay setting.
10) Enter the value for the Feed in Relay setting.

Battery Installation Process 2

1) Click here.
2) Wait for the battery to connect.
3) Click here.
4) Turn the power On (AC Grid On) and PV S/W On.
5) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.
6) Connect the jumper to the connector. (* Install Jumper is required, as shown in Figure 4-5.)
7) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.
8) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.
9) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.
10) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.

Setting Installation Process

1) Click here.
2) Select a Country and Region.
3) Click here.
4) When you press the button, the screens changes as shown below. Then proceed as described in the following.
5) Set the value for the Fault Lock setting.
6) Select a Fault Lock Value.
7) Enter the value for the Fault Lock setting.
8) Enter the value for the Fault Lock setting.
9) Enter the value for the Fault Lock setting.
10) Enter the value for the Fault Lock setting.

SIM [System Install Manager] Connection

[Serious]/[SIS/Hi-Wi]

1) Set on your laptop (shown in Figure 4-4).
2) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.
3) Connect the jumper to the connector. (* Install Jumper is required, as shown in Figure 4-5.)
4) Turn the power On (AC Grid On) and PV S/W On.
5) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.
6) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.
7) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.
8) Connect the LAN cable between Q.HOME+ESS HYB-G2 and Laptop.

5. User Account (Refer to User Guide)

[Serious]/[SIS/Hi-Wi]

- Input the URL: https://sphinx.anshinetech.com