

Schneider Inverter Quick Guide for Germany

Three-phase Schneider Inverter: HY8K3EU1, HY10K3EU1, HY14K3EU1

DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, ARC FLASH, AND FIRE

- This equipment and its accessories must be installed, uninstalled in serviced by qualified electrical personnel only.
- Equipment energized from multiple sources. Before removing covers, identify all sources, de-energize, lock-out and tag-out, and wait five minutes for circuits to discharge.
- This document is in addition to, and incorporates by reference, the relevant product documents for the Schneider Inverter and Schneider Boost. Before reviewing this document, you must read the relevant product documents. Unless specified, information on safety, specifications, installation and operation is as shown in the primary Installation and Operation documents online. Ensure you are familiar with that information before installing or operating this product.

Failure to follow these instructions will result in death or serious injury.

Products Documentation & App

Three-phase Schneider Inverters



HY8K3EU1



HY10K3EU1



HY14K3EU1

Schneider Boost



Boost battery

Accessories



Smart Dongle (SDG1ITL)

HEMSlogic



HEMSlogic (PRHEMS04DE)



HEMSlogic Installer Portal

eSetup



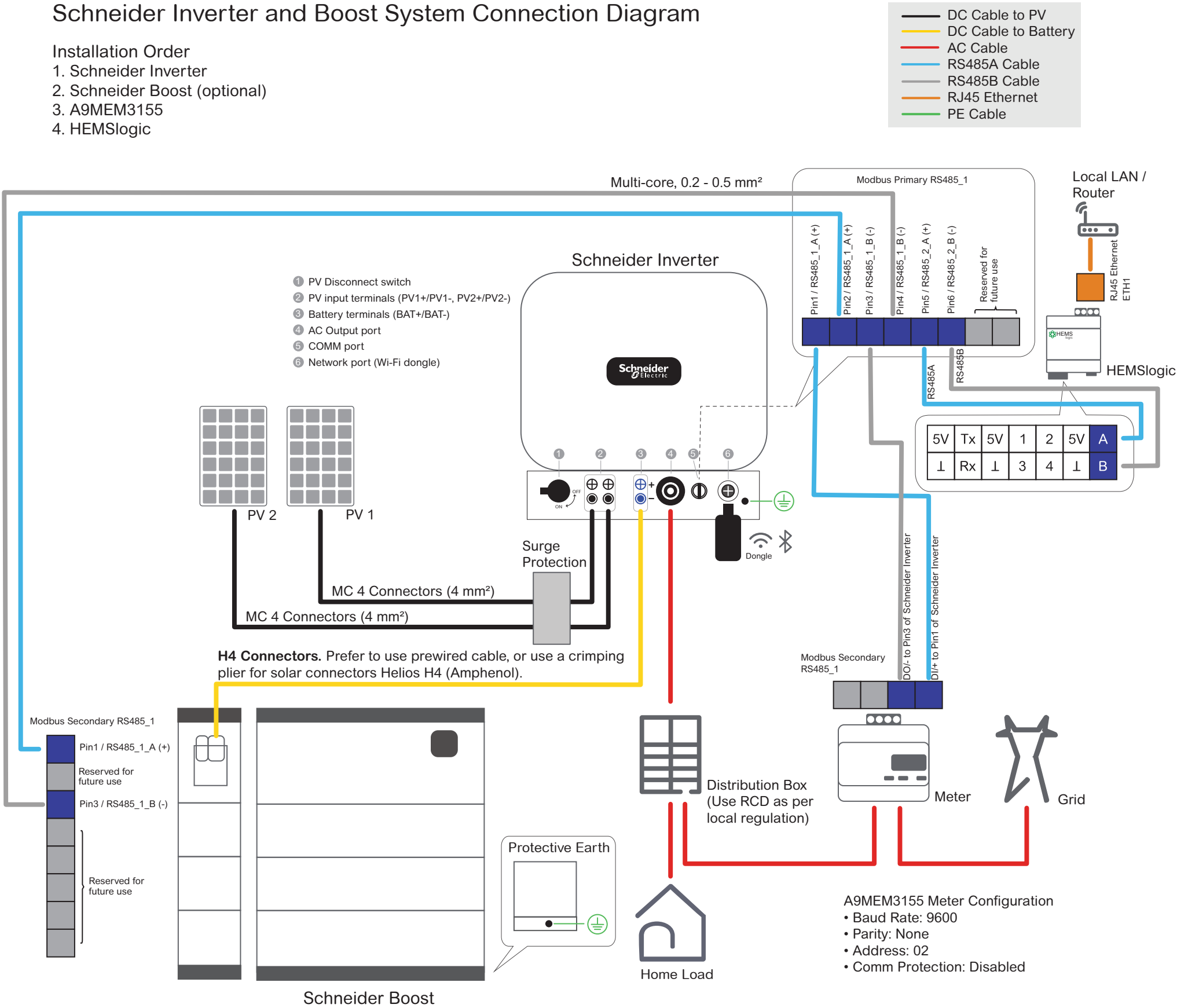
eSetup (Android)



eSetup (iPhone)

Schneider Inverter and Boost System Connection Diagram

- Installation Order
- Schneider Inverter
 - Schneider Boost (optional)
 - A9MEM3155
 - HEMSlogic



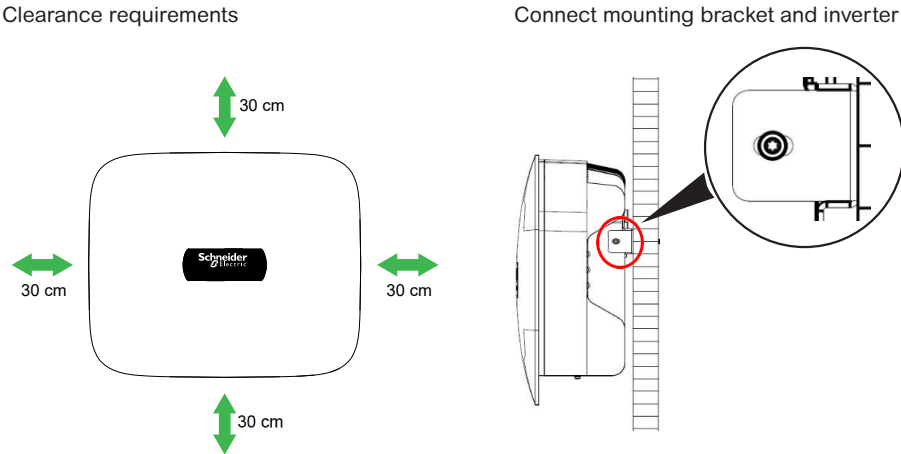
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1. Mounting the Inverter (Accessory H)

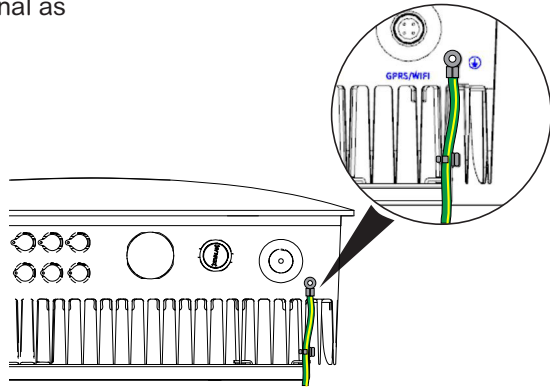
- Mark the walls to indicate the location for the hole. Refer below for the hole sizes and recommended expansion bolts:
- Brick and concrete walls: diameter of 8mm and depth of 45~50 mm, metal expansion bolt is recommended.
 - Wooden wall and plasterboard: diameter of 8 mm and depth of 50~55 mm, plastic expansion bolt is recommended

Mount the Inverter using the mounting bracket and expansion bolts provided.



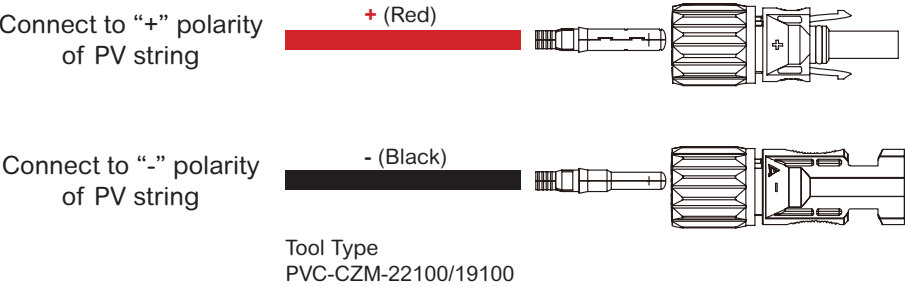
2. Protective Earth Connection (Accessory H)

Install the earthing wire terminal as shown in the picture.

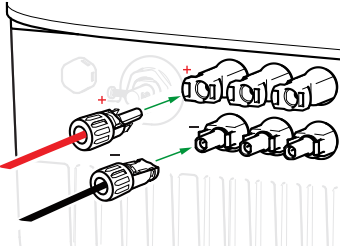


3. PV and Battery Connections (Accessory B/C/E/F)

1. Turn off all DC switches. **Important:** Keep DC switches off during installation.
2. Complete the PV cable (PV1, PV2) connections.
Note: Use standard MC4 crimping tools, such as Stäubli PVC-CZM-22100/19100 to crimp PV terminals.

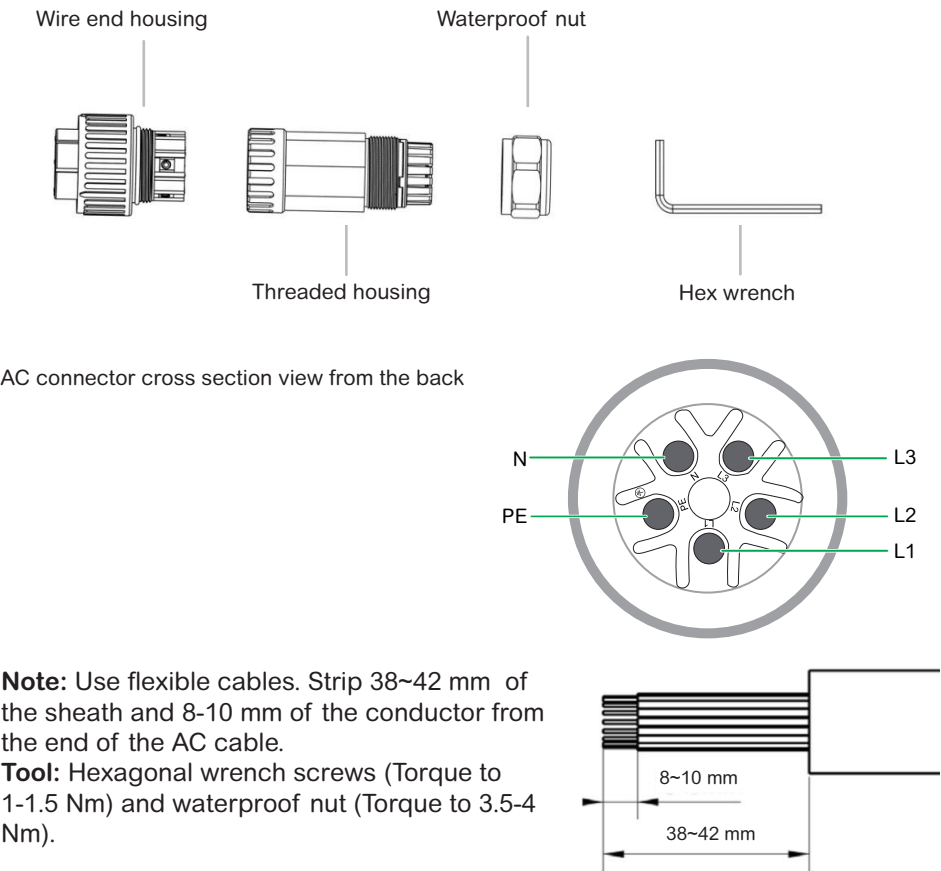


3. Attach PV (-) connectors to (-) terminals and (+) connectors to (+) terminals.
4. Complete the power connection (DC1) between the Boost and Inverter. Refer to the Boost Quick Start Guide for more information.



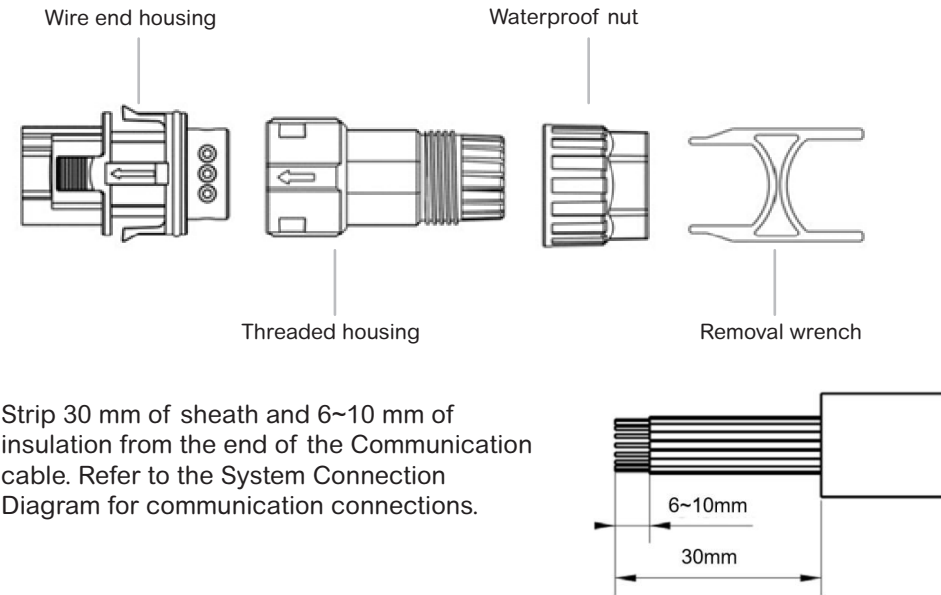
4. AC Connection (Accessory D)

AC Connector



Note: Use flexible cables. Strip 38~42 mm of the sheath and 8-10 mm of the conductor from the end of the AC cable.
Tool: Hexagonal wrench screws (Torque to 1-1.5 Nm) and waterproof nut (Torque to 3.5-4 Nm).

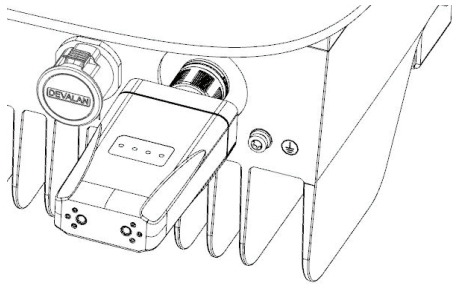
5. Communication Connection (Accessory A)



6. Dongle Connection (Accessory I)

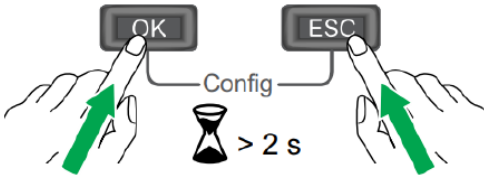
- To connect the dongle:
1. Plug the dongle into the Inverter Network Port.
 2. Rotate the fastener of the connector to lock the dongle.

Refer to the Smart Dongle Guide for information about the LED indicators.



7. Meter Configuration

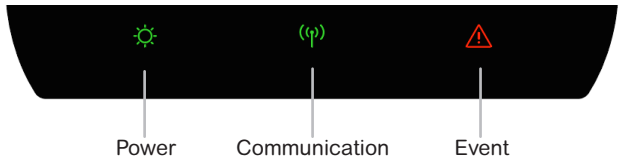
- To configure the meter:
1. Press and hold “OK” and “ESC” at the same time for 2 seconds
 2. Enter meter password “0010”



Use the following specifications to configure the communication settings:

- Baud Rate: 9600
- Parity: None
- Address: 02
- Comm Protection: Disabled

8. LED Display



Refer to the Installation Guide for more information.

9. System Startup

Important: Ensure all devices in your system are installed and properly connected before starting the Inverter. If Boost is also installed, turn on the switch for Boost first. Refer to the Installation Guide for more information.

- To start the system:
1. Ensure that the Inverter and battery are correctly mounted, the cables are the correct polarity, and that the dongle and all wire connections are properly connected
 2. Set the external AC and DC breaker switches (if applicable) to ON
 3. On the Schneider Boost, rotate the manual DC disconnect switch to ON.
 4. On the Schneider Boost, press and hold the green “Black Start” button for 10 seconds until the battery’s LED display starts flashing green. Release the button.
 5. On the Schneider Inverter, rotate the switch to ON. Confirm that the inverter’s power LED is lit in green.
 6. Confirm that the LED on the dongle is lit in green.

10. Commissioning

Use the eSetup app to commission the system. Refer to the eSetup Guide for more information.

11. Site Monitoring and Control

Create an installation site on the Schneider Electric Installer Portal using generated commissioning data to remotely manage your installation. Visit <https://installerportal.se.com>