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AEG

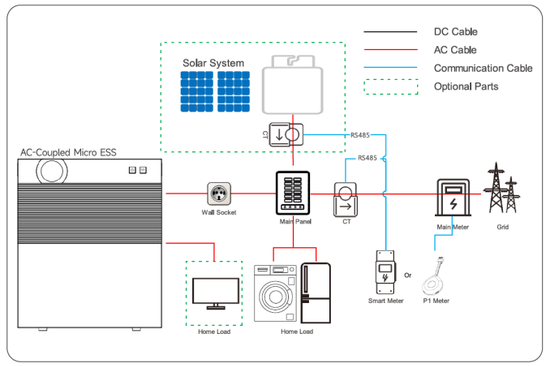
QUICK INSTALLATION GUIDE FOR THE AS-BBL08 SERIES (AC-COUPLED MICRO ENERGY STORAGE SYSTEM: AS-BBL08-xxxK)

AEG QUICK INSTALLATION GUIDE- SERIES AS-BBL08 VERSION: PD202607 V1.0-26 EN

Thank you for choosing the reliability of AEG residential AC-Coupled micro energy storage system
AEG products are tested and approved by acknowledged independent certification authorities and can only be installed by qualified professional companies.

EN

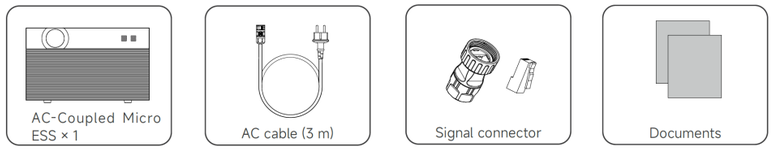
1. System overview



2. Inspection and unpacking

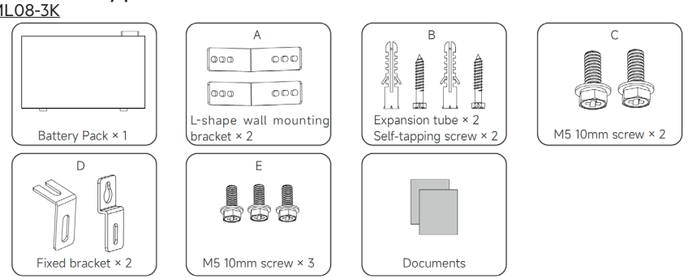
2.1 Packing list of AC-Coupled micro ESS

Model: AS-BBL08-3K



2.2 Packing list of battery pack

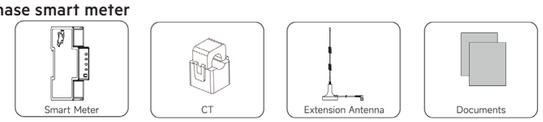
Model: AS-BML08-3K



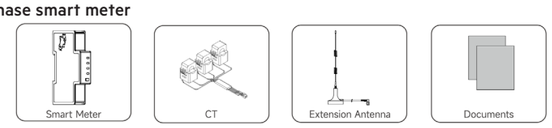
2.3 Optional accessories

The following accessories can be ordered seperately

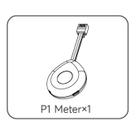
Single-phase smart meter



Three-phase smart meter

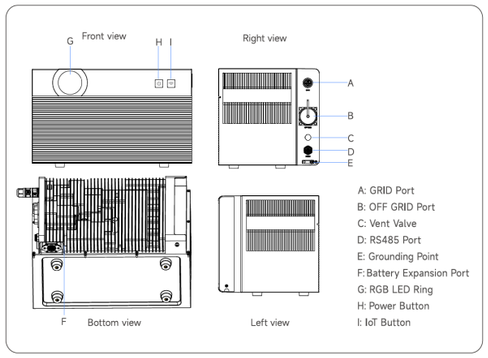


P1 meter

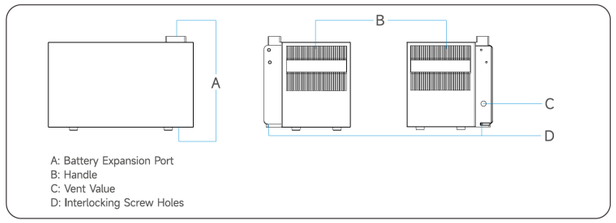


3. Product overview

Plug-in AC-Coupled micro ESS



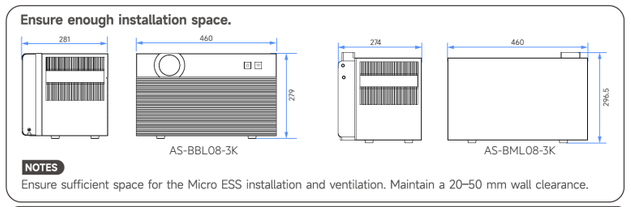
Battery Pack

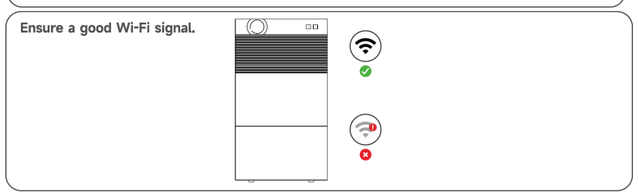


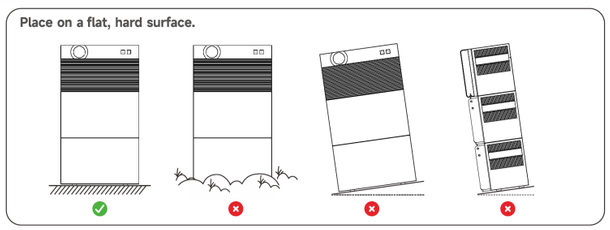
*This valve is a safety device. Don not operate or damage it.

4. Environment requirements

- Read all instructions in the safety document before installation.
- Do not place the device near an area exposed to direct sunlight, fire, or explosive and flammable materials.
- Do not operate or damage it.







For grid connection via wall socket

Ensure the AC cable can reach both the socket and Micro ESS

NOTICE

- Basice mode: Identify a household circuit with a continous current capacity of 16A. When Micro ESS is connected to the circuit, the system will default to agrid-tied configuration with 800W output.
- Proffesional mode: To enable enhanced grid-tied power capabilities, connect Micro ess via hardwiring or to a dedicated circuit.

CAUTION

- All applicable local electrical codes, safety standards, and regulations must be foilowed. Installation by a liscenced electrician is strongly reccomended to ensure compiliance and reduce safety hazards or equipment damage.

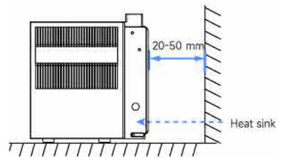
5. Installation

NOTICE

- Ensure the device is off during installation.
- When stacking one or more units, wall fixation is required to prevent tipping. A maximum of five units can be stacked.
- Ensure the heat sink on the back of the expansion battery pack faces the wall.

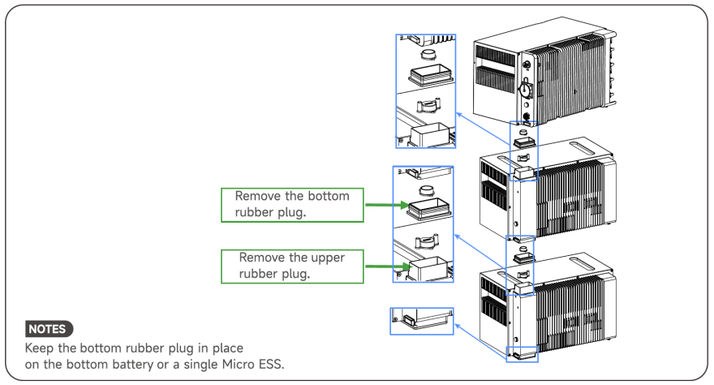
Step 1: Get tools ready (Not included in the package)

Step 2: Place the bottom battaery pack (AS-BML08-3K)



- For standalone installation (Micro ESS only)
  Position Micro ESS 20-50mm from the wall.
  (*skip steps 3-5)

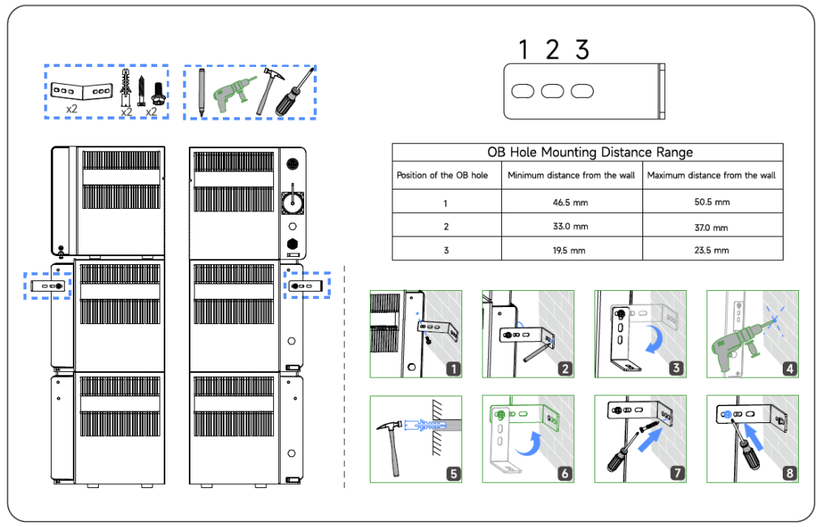
Step 3: Stack expansion Micro ESS and battery packs



Step 4: Install wall mount brackets

1. Use M5 x 10mm screw to secure the wall- mount bracket to battery pack.
2. Mark holes on the wall.
3. Hang the bracket.
4. Drill the 10mm hole to depth of 50-55mm.
5. Insert the expansion tubes.

6 Rotate the bracket back up.
7. Fasten the wall-mount bracket to the wall.
8. Tighten the screws securing the battery pack.

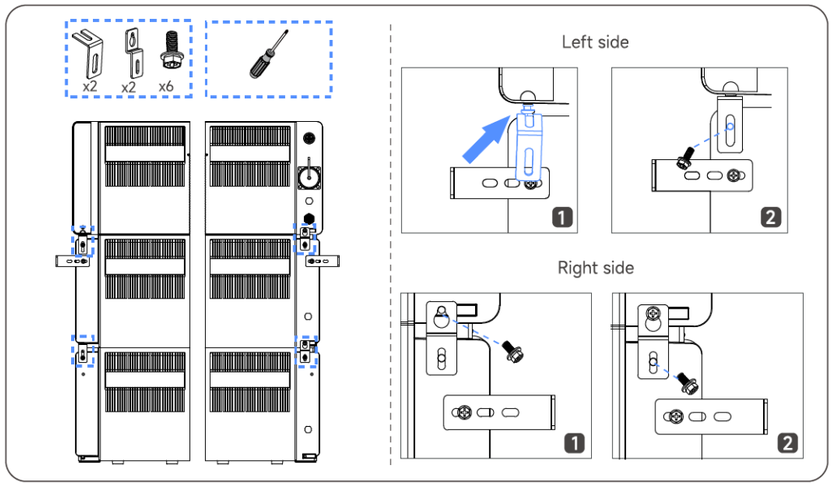


OB Hole Mounting Distance Range		
Position of the OB hole	Minimum distance from the wall	Maximum distance from the wall
1	46.5 mm	50.5 mm
2	33.0 mm	37.0 mm
3	19.5 mm	23.5 mm

Step 5: Lock AS-BBL08-3K and AS-BML08-3K.

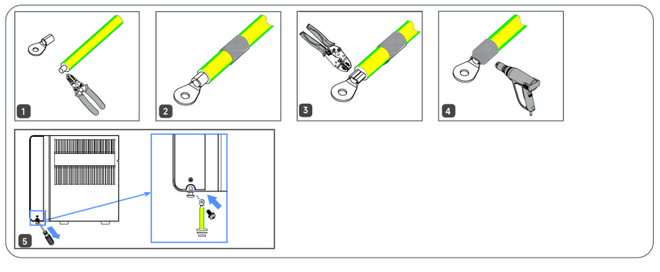
Left side:
1. Hook the upper slot of the left bracket onto the mounting screw.
2. Insert and tighten the fixing screw.

Right side:
1. Position the bracket and tighten the upper fixing screw.
2. Tighten the lower fixing screw.



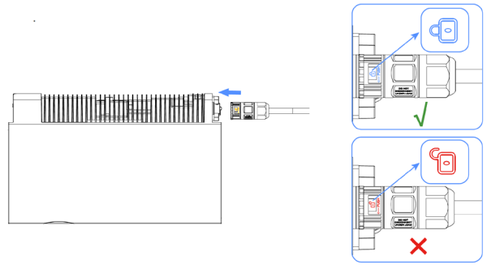
6. Electrical connection

Step1: Grounding connection
To avaoid electric shock, connect Micro ESS to the ground.

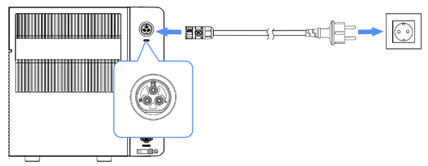


Step 2: Grid connection

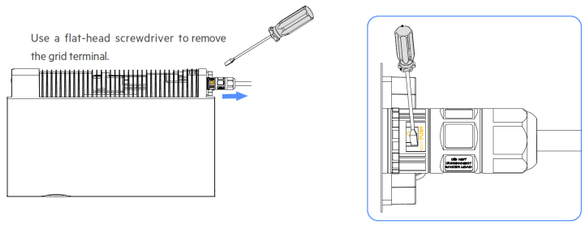
Option 1: Via wall socket
Connect the grid terminal to the grid port.



Connect AC-Coupled Micro ESS to a home outlet using the included AC cable (3 m).



Removing the grid terminal (if required)

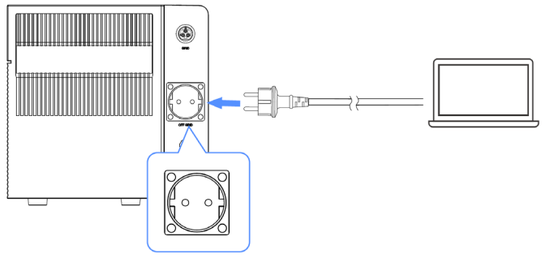


Option 2: Via main portal
Installation must be carried out by a qualified electrician

NOTICE
• Ensure the AC cable is firmly connected. • To disconnect the AC cable, use a flat-headed screwdriver to remove the grid terminal.

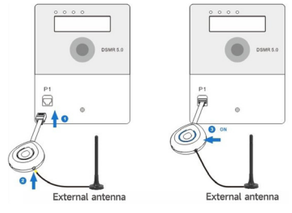
Step 3: Connect your home load

Power loads using the off grid port.



Step 4: Install the P1 meter (optional)

1. Plug P1 meter into the P1 port on the main meter
2. Connect the antenna of the P1 collector.
3. The P1 meter is directly powered by main meter, check whether P1 indicator light is on to confirm to confirm it is powered.



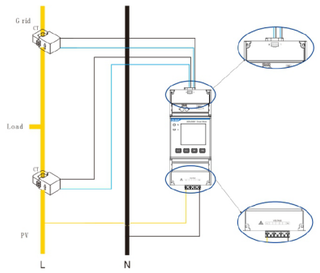
Notes:

- An adapter is required when using a DSMR 4.0 meter.
- Install the antenna before use. Communication range is up to 9m under lab conditions and may vary by installation environment
- To connect the Micro ESS to the P1 meter wirelessly, add smar meter in app during setup for operation

NOTICE
• Before installation, turn off the main breaker • Before installation, turn off the main breaker. • Wiring must be performed by a licensed electrician. • Wire colors may vary by country or region. • If using a smart meter please refer to its installation manual for proper installation. • To connect the Micro ESS to the P1 meter wirelessly, add the smart meter during device setup.

- Single-phse connection

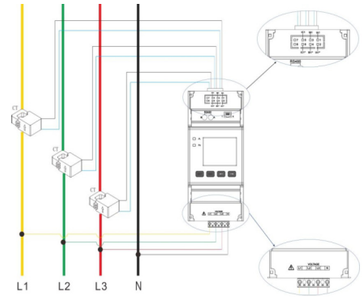
Connect power cables (L, N) from the smart meter to the main panel. Install CTs on the solar and grid cables.



There are 2 CT rings of single-phase dual-circuit WiFi smart meter: IA1 and IB1, put the IA1 CT on the Micro ESS L line and IB1 CT on the 3rd party inverter L line, ensure the arrow on the CT rings are oriented towards the grid! If there is no 3rd party solar inverter, install the IA1 CT on the Micro ESS L line.

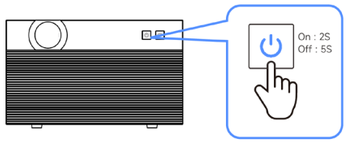
- Three-Phase Connection

Connect power cables (LI, L2, L3, N) from the smart meter to the main panel. Install CTs on the grid cables. Make Sure the arrow on the CT rings are oriented towards the grid!



7. System commissioning

Power ON:
Press the power button for 2 seconds until the display lights up. Micro ESS will automatically enter networking mode that the IoT button is flashing white. To turn off Micro ESS, press the power button for 5 seconds.



Installing the App
Download and install the system App through the following application stores:
• App Store (iOS)
• Google Play

AEG StoragePRO
Scan to download the App:
Download on the App Store
GET IT ON Google Play