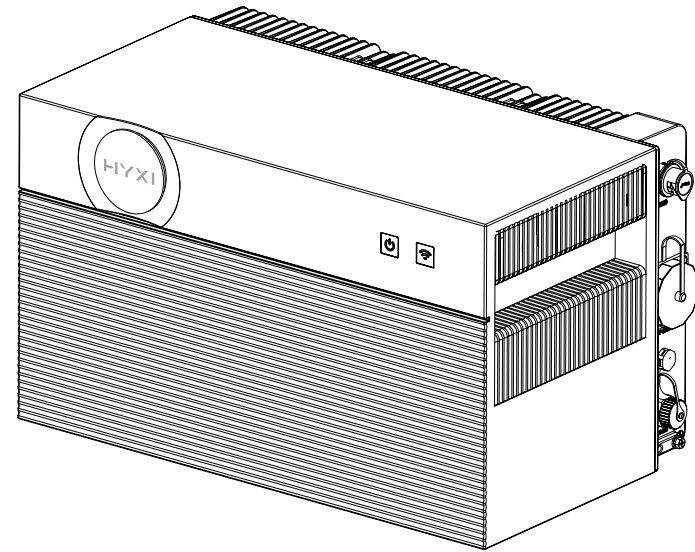
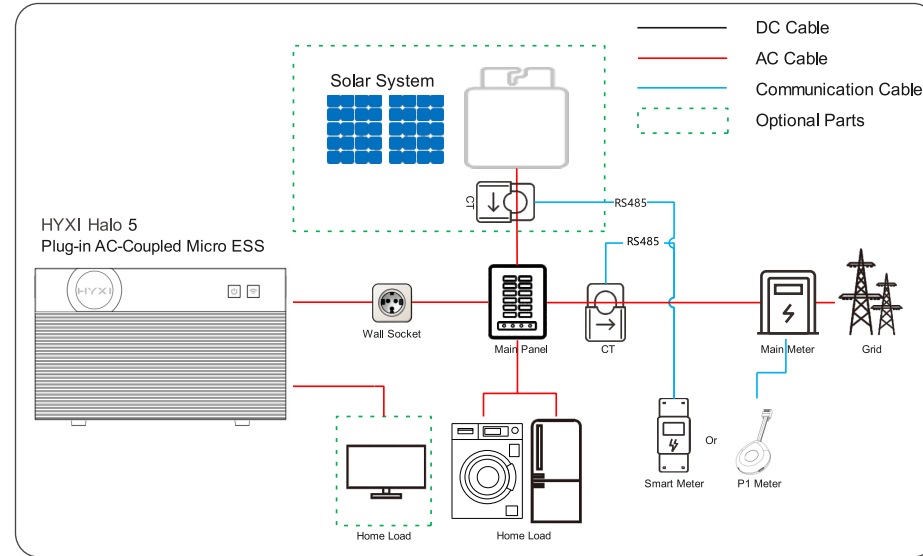


AC-Coupled MICRO ESS

HYX-MS5000AC



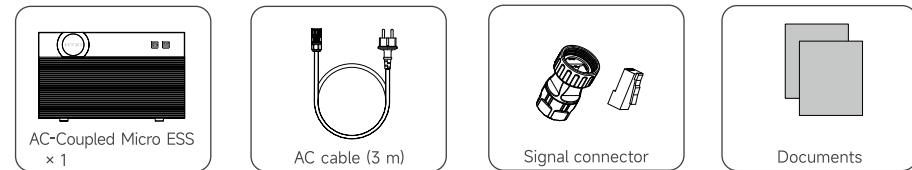
1 System Overview



2 Inspection & Unpacking

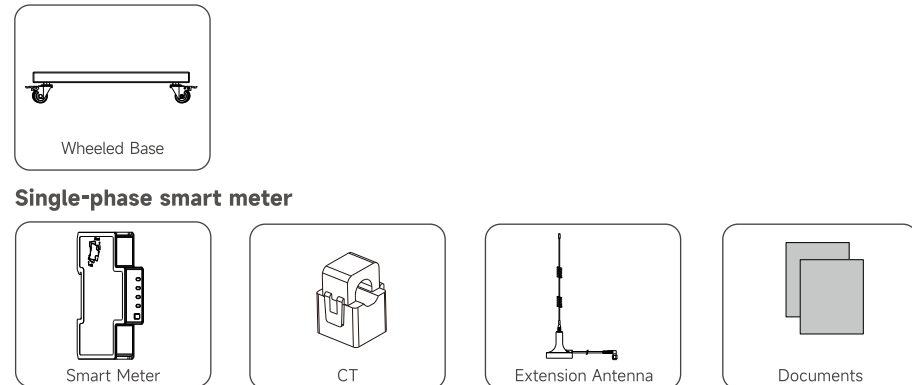
2.1 Packing List of AC-Coupled Micro ESS

Model: HYX-MS5000AC

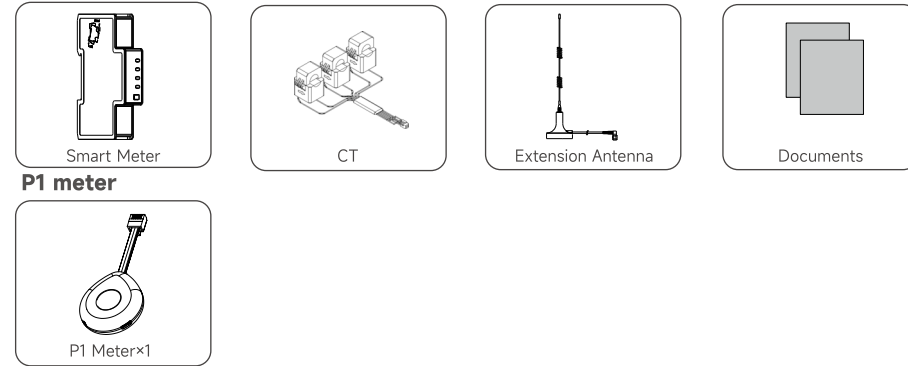


2.3 Optional Accessories

The following accessories can be ordered separately.

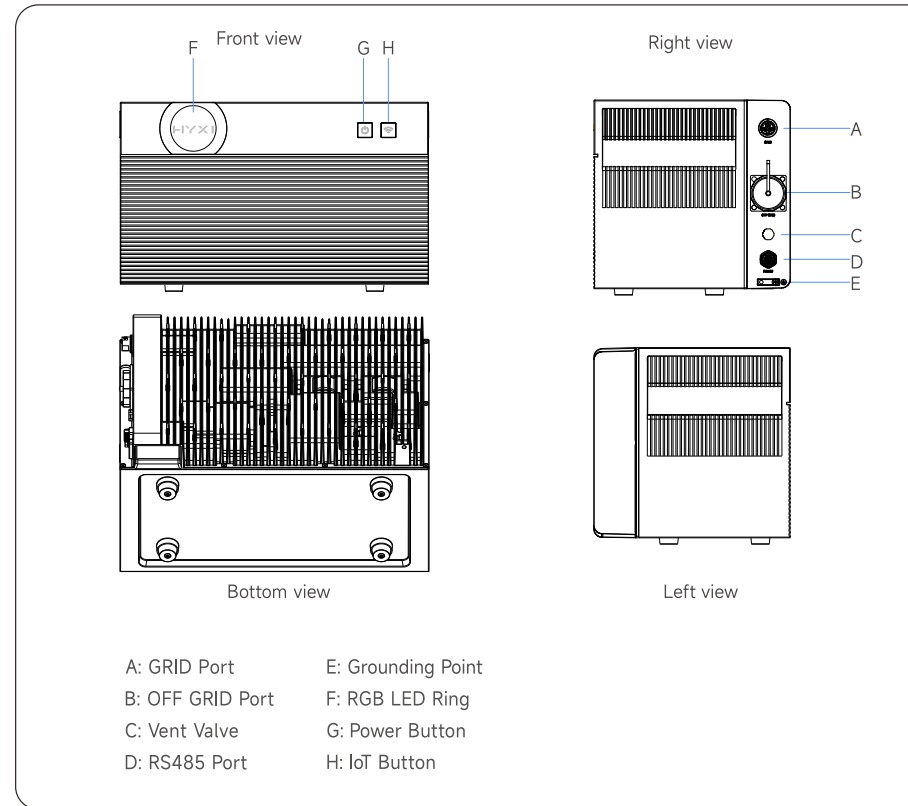


Three-phase smart meter



3 Product Overview

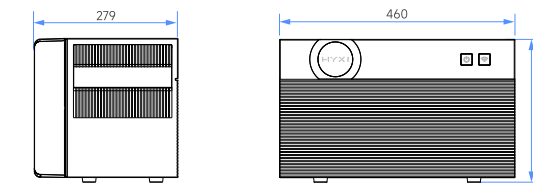
Plug-in AC-Coupled Micro ESS



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.

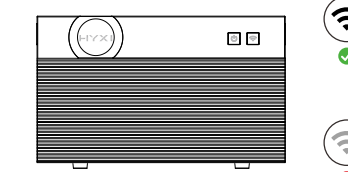
Ensure enough installation space.



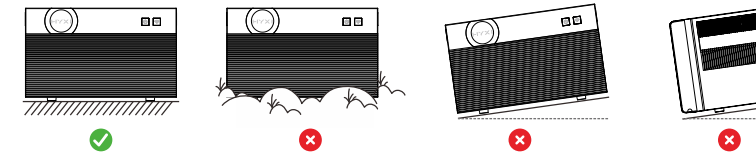
NOTES

Ensure sufficient space for the Micro ESS installation and ventilation. Maintain a 20–50 mm wall clearance.

Ensure a good Wi-Fi signal.



Place on a flat, hard surface.



For Grid Connection Via Wall Socket

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

NOTICE

- Basic Mode: Identify a household circuit with a continuous current capacity of 16A. When Micro ESS is connected to this circuit, the system will default to a grid-tied configuration with 800W output.
- Professional Mode: To enable enhanced grid-tied power capabilities, connect Micro ESS via hardwiring or to a dedicated circuit.

CAUTION

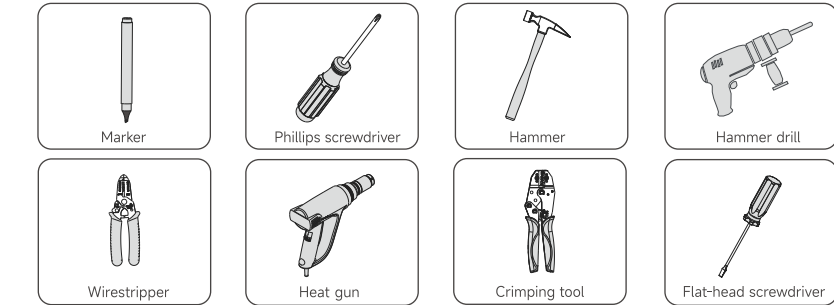
- All applicable local electrical codes, safety standards, and regulations must be followed. Installation by a licensed electrician is strongly recommended to ensure compliance and reduce safety hazards or equipment damage.

5 Installation

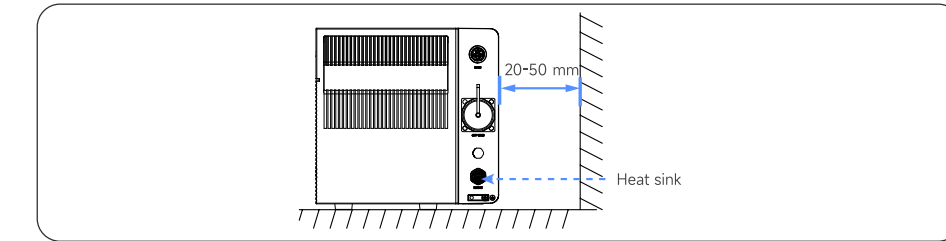
NOTICE

- When wiring, please ensure that the wire labels correspond to the markings on the enclosure.
- Ensure the device is off during installation.
- Ensure the heat sink on the back of the AC-Coupled Micro ESS faces the wall.
- Position the AC-Coupled Micro ESS in good network signal conditions to connect to the network.
- Keep 20 to 50 mm away from the wall.

Step 1: Get Tools Ready (Not Included in The Package)

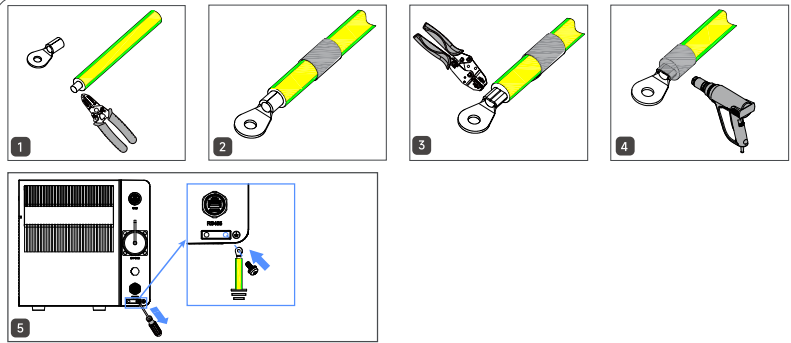


Step 2: Place the Micro ESS

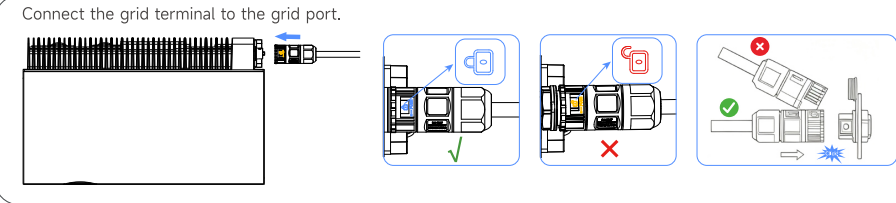


6 Electrical Connection

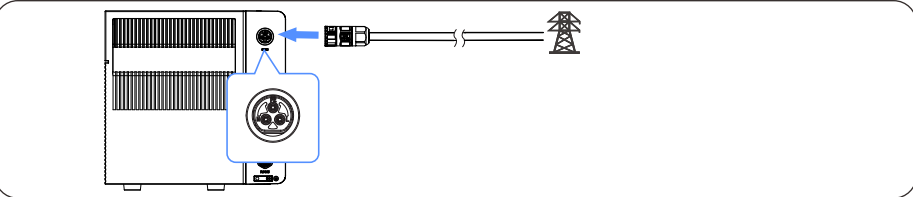
- **Step 1:** Grounding Connection
To avoid electric shock, connect Micro ESS to the ground.



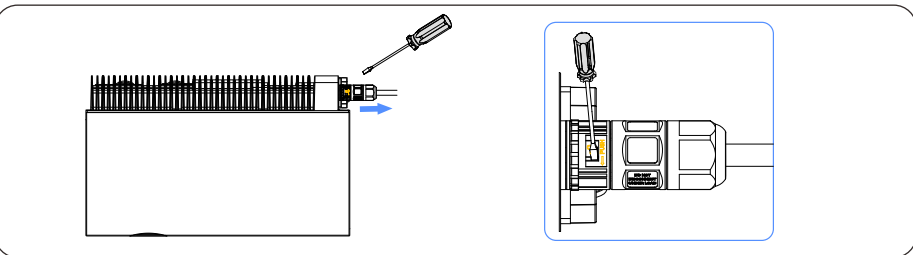
- **Step 2:** Connect to the Grid
Option 1: Via Wall Socket



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



Removing the grid terminal (if required)



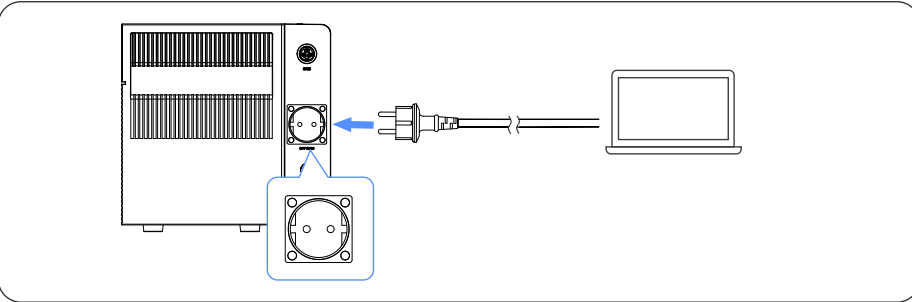
Option 2: Via Main Panel

Installation must be carried out by a qualified electrician.

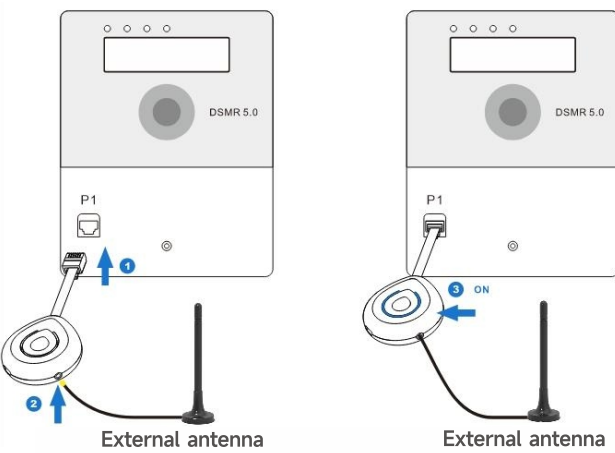
NOTICE

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

- **Step 3:** Connect to Your Home Load
Power your home load directly using the off-grid port.



- **Step 4:** Install the Chint P1 Meter (Optional)
 - ① Plug the P1 meter into the P1 port on the main meter.
 - ② Connect the antenna of the P1 collector.
 - ③ The P1 meter is powered directly by the main meter. Check whether the P1 indicator light is on to confirm that it is powered properly.



NOTES

- An adapter is required when using a DSMR 4.0 meter.
- Install the antenna before use. Communication range is up to 9 m under laboratory conditions and may vary by installation environment.
- To connect the Micro ESS to the P1 meter wirelessly, add the smart meter during device setup in the HYXI App. See Section 7.2 Use the HYXI App, for setup instructions.

Scan the QR code to access detailed installation instructions.



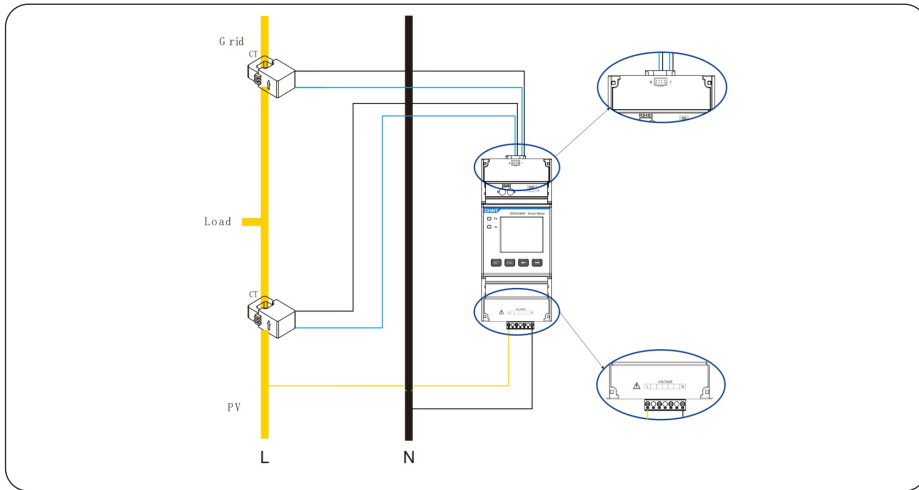
Step5: Install the Chint Smart Meter.(Optional)

NOTICE

- 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 from another brand (e.g., Shelly), please refer to its installation manual for proper installation.
- To connect the Micro ESS to the smart meter wirelessly, add the smart meter during device setup in the HYXI App. See Section 7.2 Use the HYXI App, for setup instructions.

Single-Phase Connection

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



NOTES

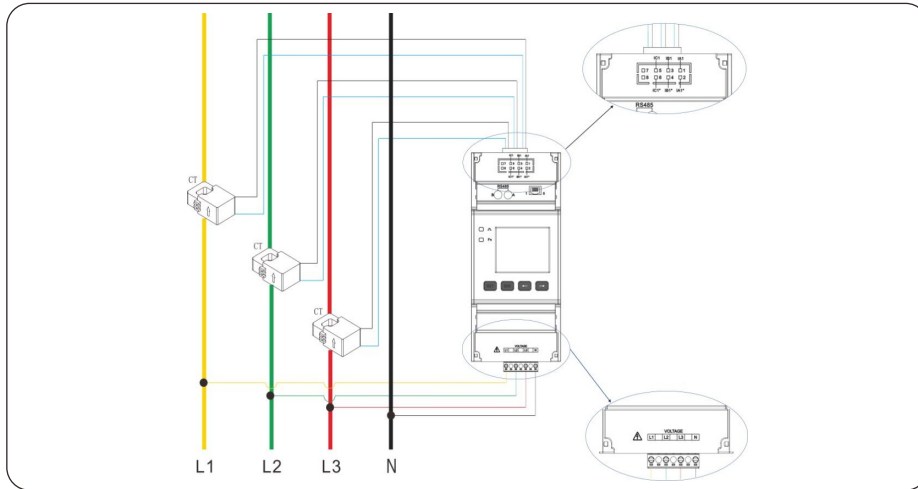
- There're two CT rings of single-phase dual-circuit Wi-Fi smart meter: IA1 and IB1, put the IA1 CT on the grid L line and IB1 CT on the third-party inverter L line, ensure the arrow on the CT rings are oriented towards the grid! If there is no third-party solar inverter, install the IA1 CT on the grid L line.

- Scan the QR code to access detailed installation instructions.



Three-Phase Connection

Connect power cables (L1, 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!



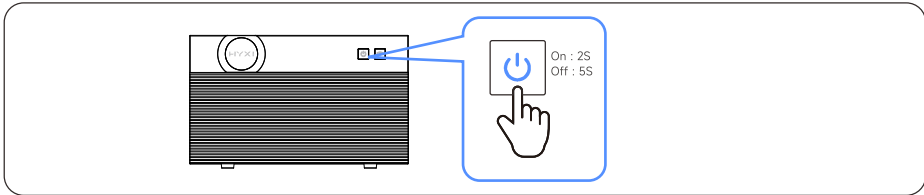
- Scan the QR code to access detailed installation instructions.



7 System Commissioning

7.1 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.



7.2 Use the HYXI APP

Step 1: Download and install the HYXI app.

Method 1

Download and install the HYXI App from the app store:

- App Store (iOS)
- Google Play

Method 2

Scan the QR code.



Step 2: Download and follow the instructions in the video or manual to complete the setup.

Access the materials via:

1. Visit our website at www.hyxipower.com and navigate to Service & Support > Installation Guide.
2. Scan the QR code to watch the guide video.



3. Scan the QR code to download the guide manual.



NOTICE

- Always connect the device to the original Wi-Fi network of the primary router for configuration and long-term operation.
- Do NOT connect the device to networks extended by Wi-Fi repeaters / Wi-Fi extenders. Such networks may cause network isolation, unstable data transmission and heartbeat disconnection, resulting in pairing failure, frequent offline issues, abnormal remote control and abnormal data reporting.
- Wi-Fi name (SSID) contains keywords such as EXT, _24G_EXT, _5G_EXT, Repeater. Even if the SSID does not have the above identifiers, it may still be an extender-based network, please do not judge solely by the Wi-Fi name.