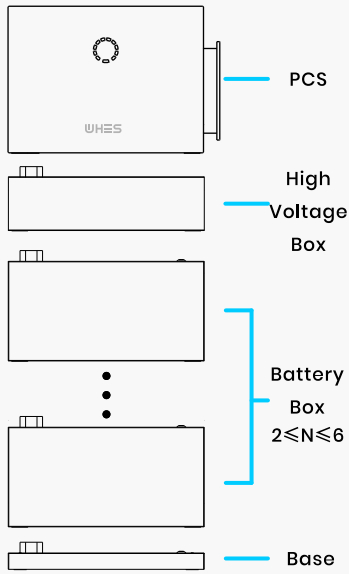
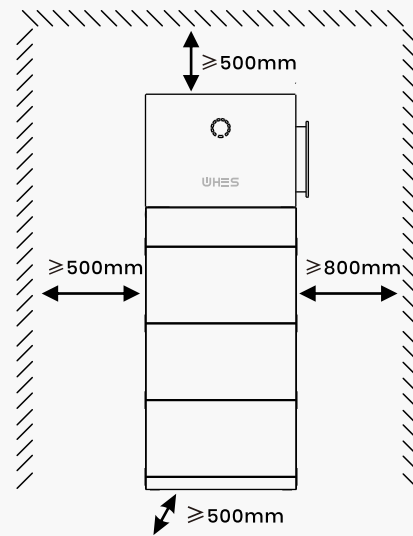




### A Module introduction

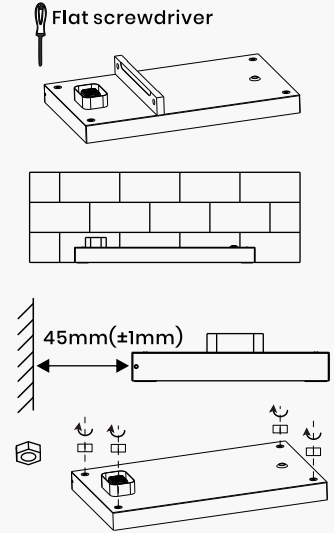


### B Installation Space Requirements



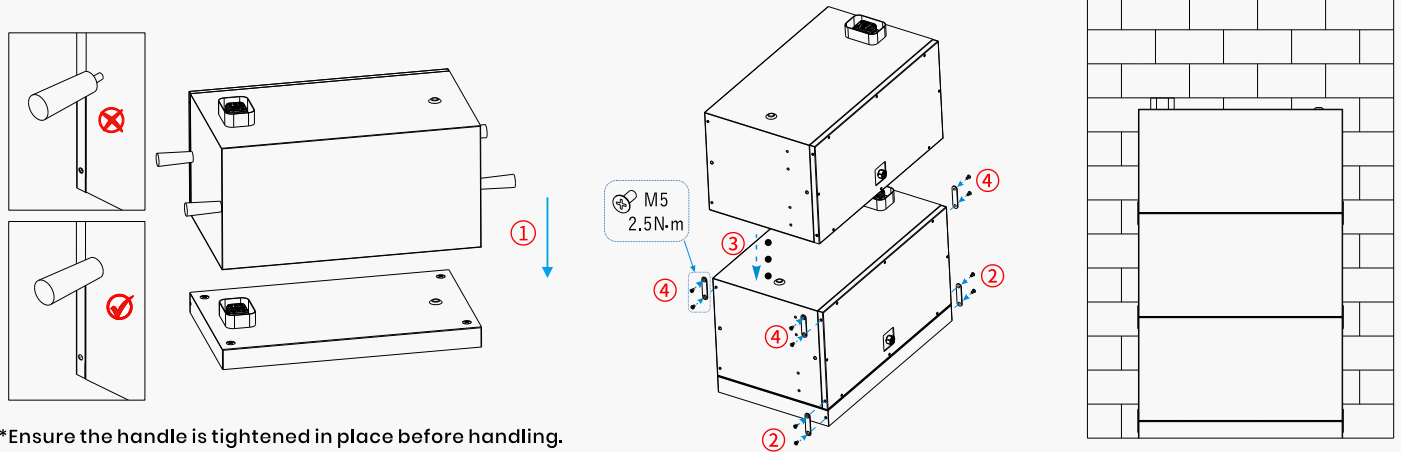
\*The clearance is a recommendation. If there is a local standard for the installation of energy storage system, please define the clearance refer to the standard.

### STEP 1

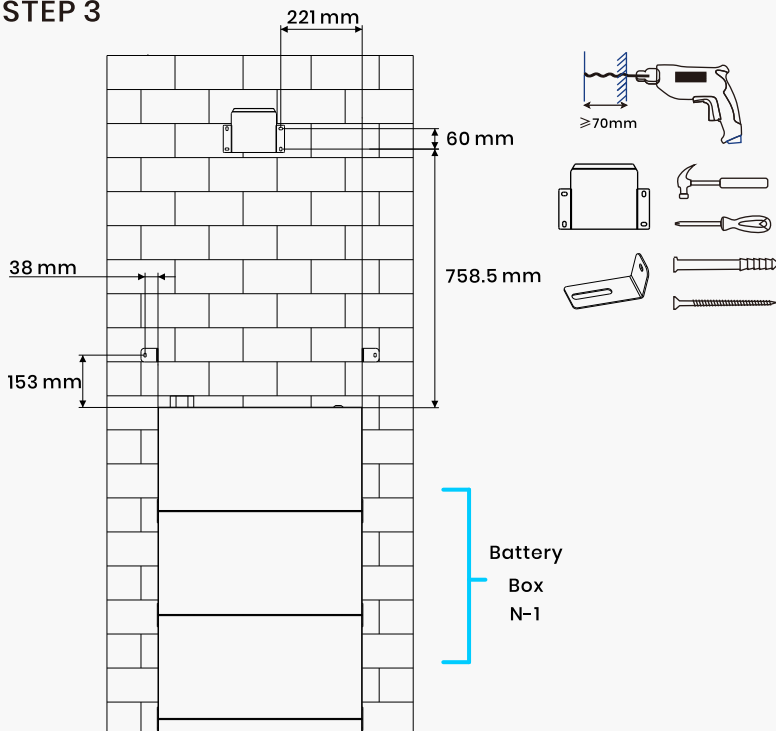


⚠ After leveling the base, the four nuts must be tightened

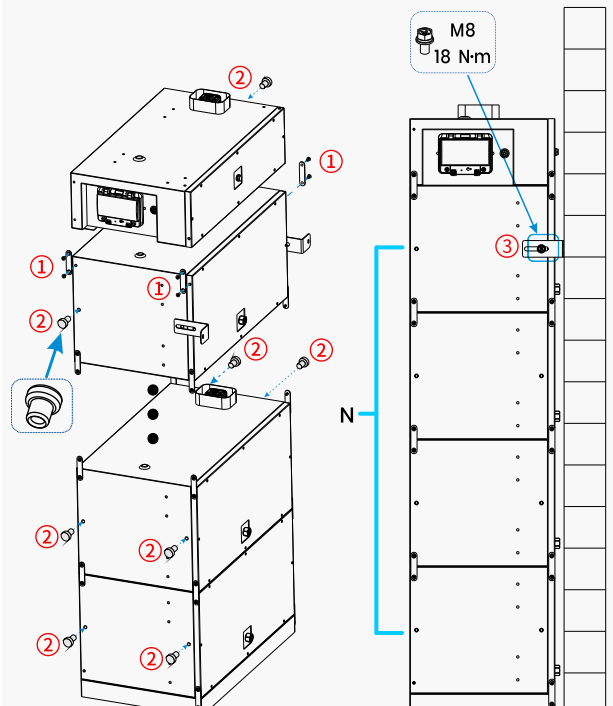
### STEP 2



### STEP 3

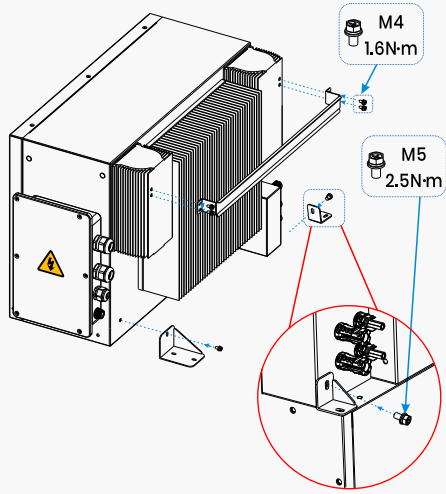


### STEP 4

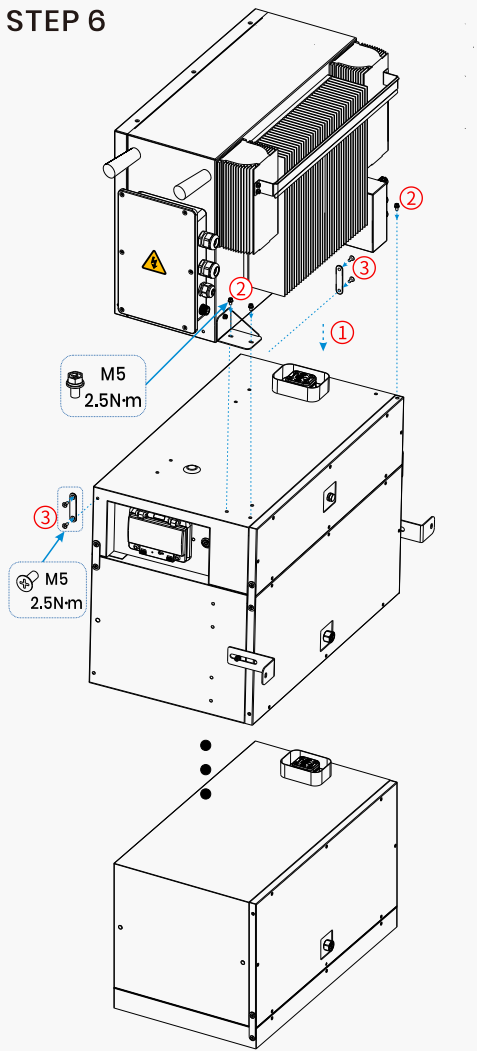




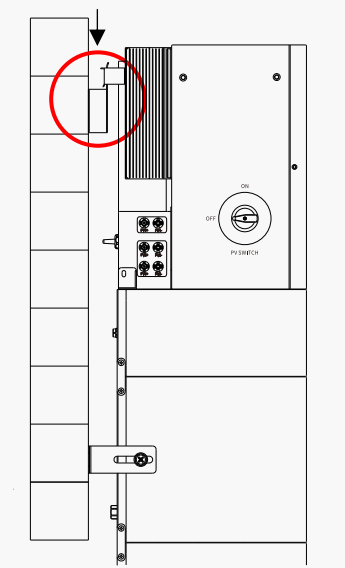
### STEP 5



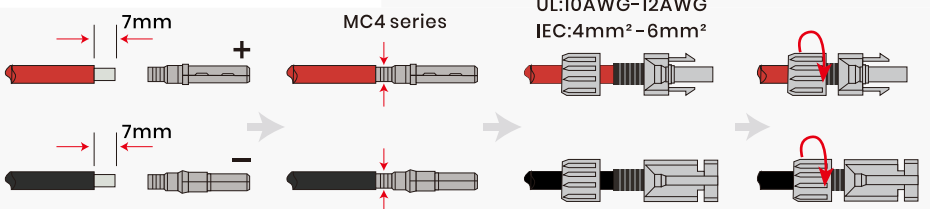
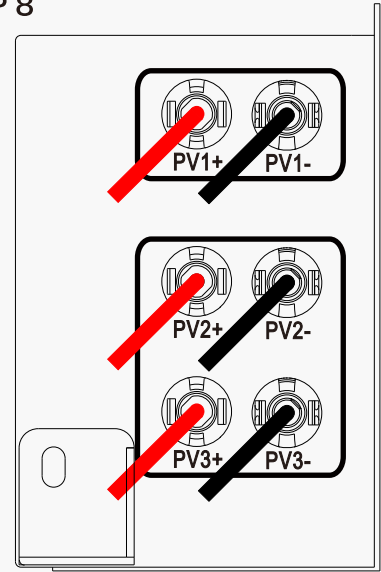
### STEP 6



### STEP 7



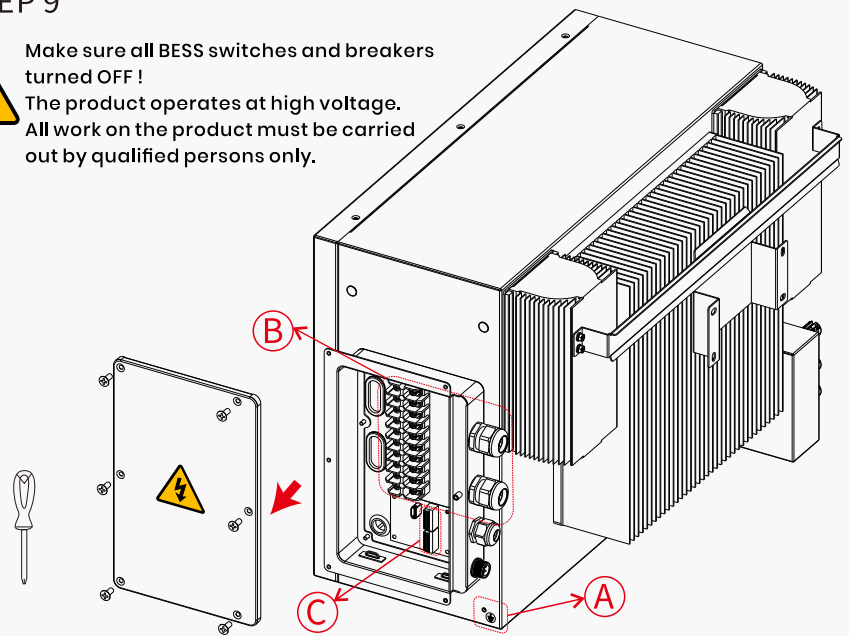
### STEP 8



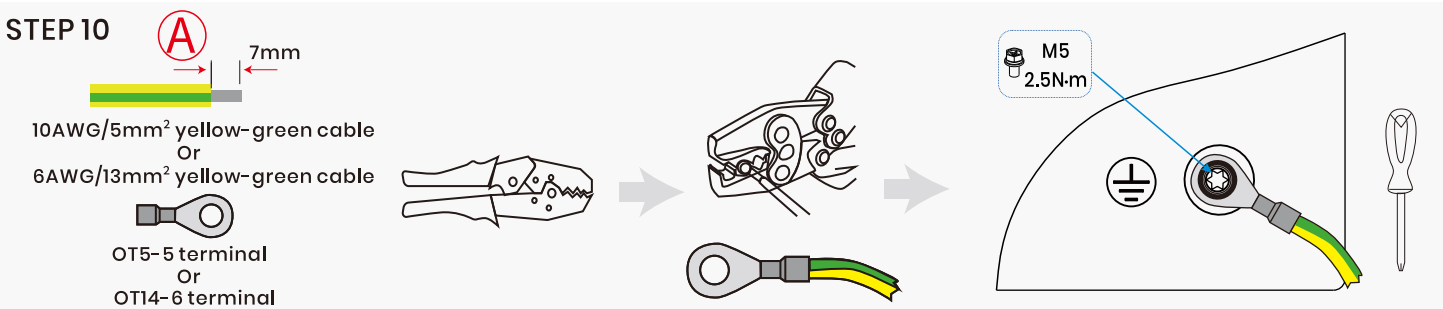
For the best use of PV power, PV2 and PV3 should be the same in PV string structure, including the type, number, tilt, and orientation of the PV modules.

### STEP 9

**Make sure all BESS switches and breakers turned OFF!**  
**⚠ The product operates at high voltage. All work on the product must be carried out by qualified persons only.**



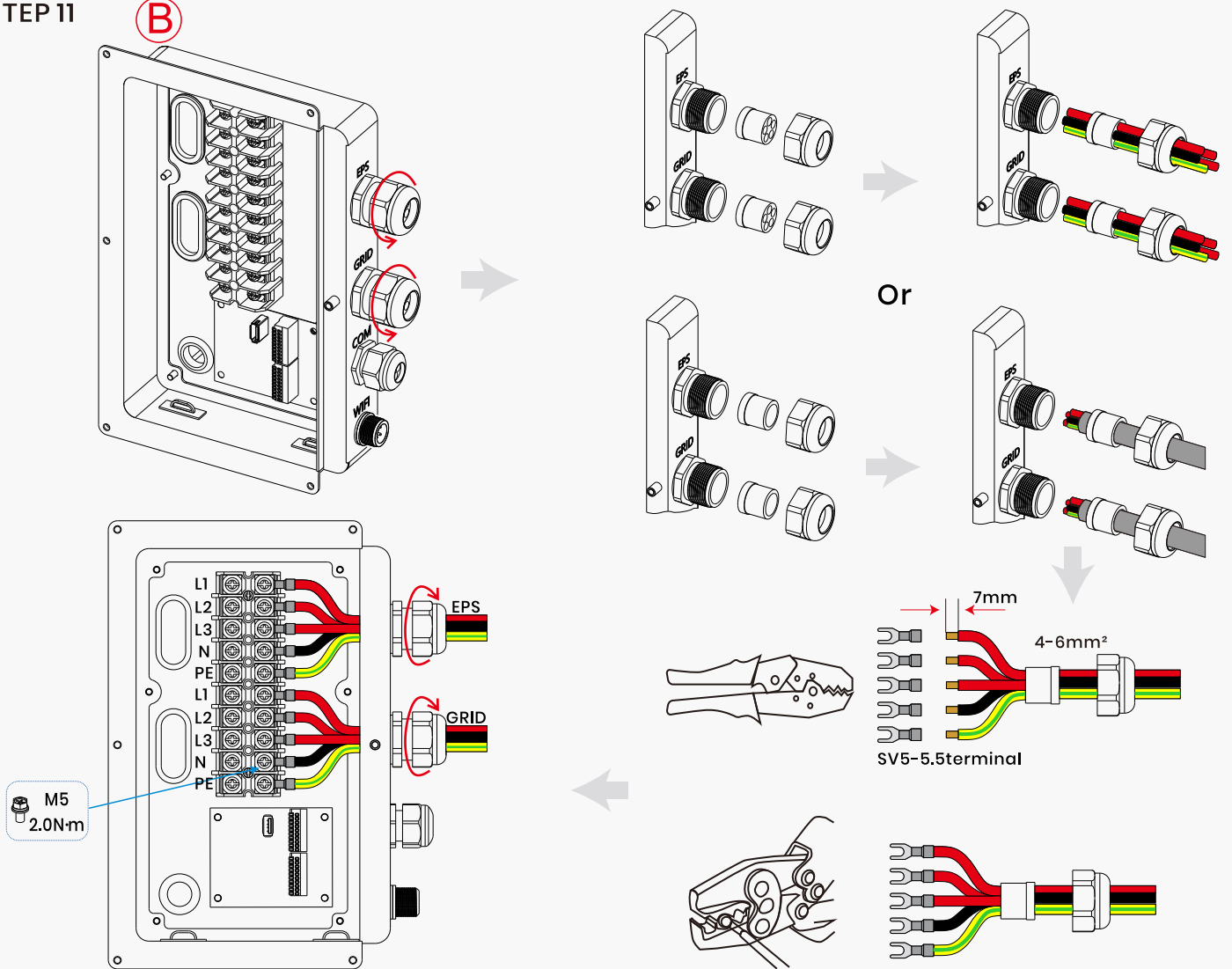
### STEP 10





### STEP 11

**(B)**

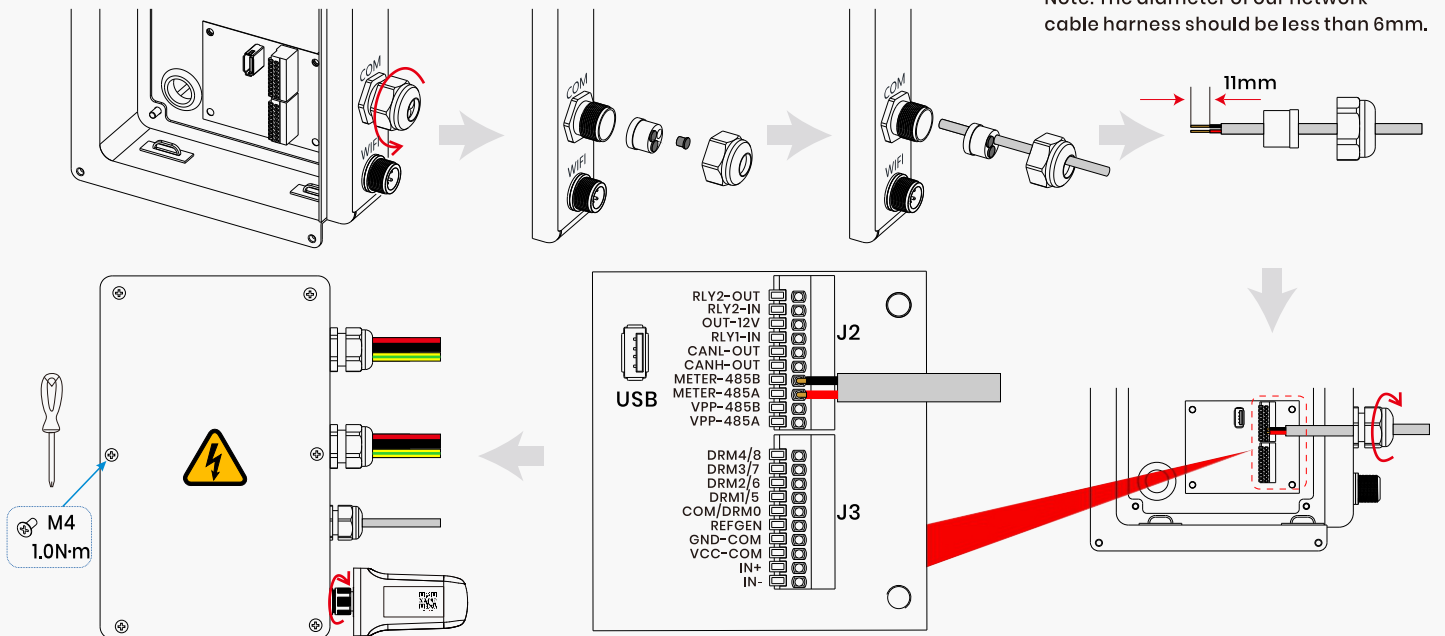


Note: For EPS side, the PE wire of EPS terminal is not required for Australia, New Zealand and South Africa.

Note: The diameter of power cable should be less than 6mm.

### STEP 12

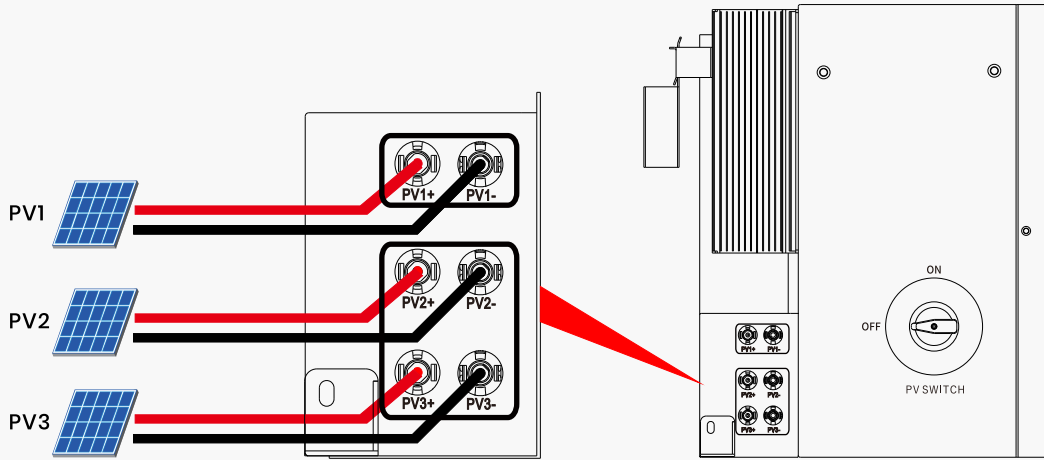
**(C)**



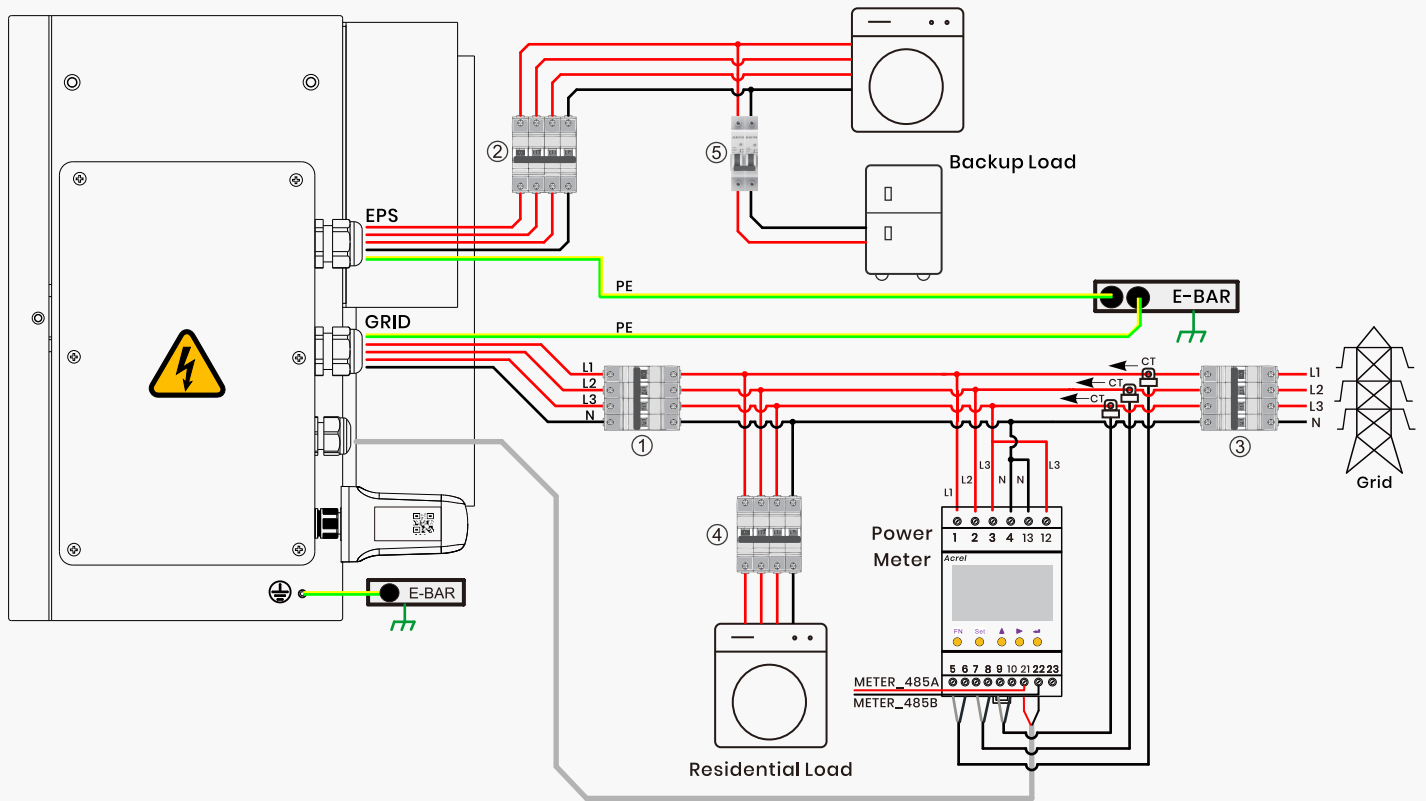
Note: The diameter of our network cable harness should be less than 6mm.



### STEP 13 (DC Couple, EU) System Wiring Diagram

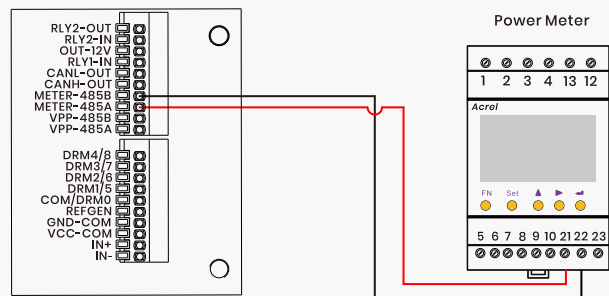


For the best use of PV power, PV2 and PV3 should be the same in PV string structure, including the type, number, tilt, and orientation of the PV modules.



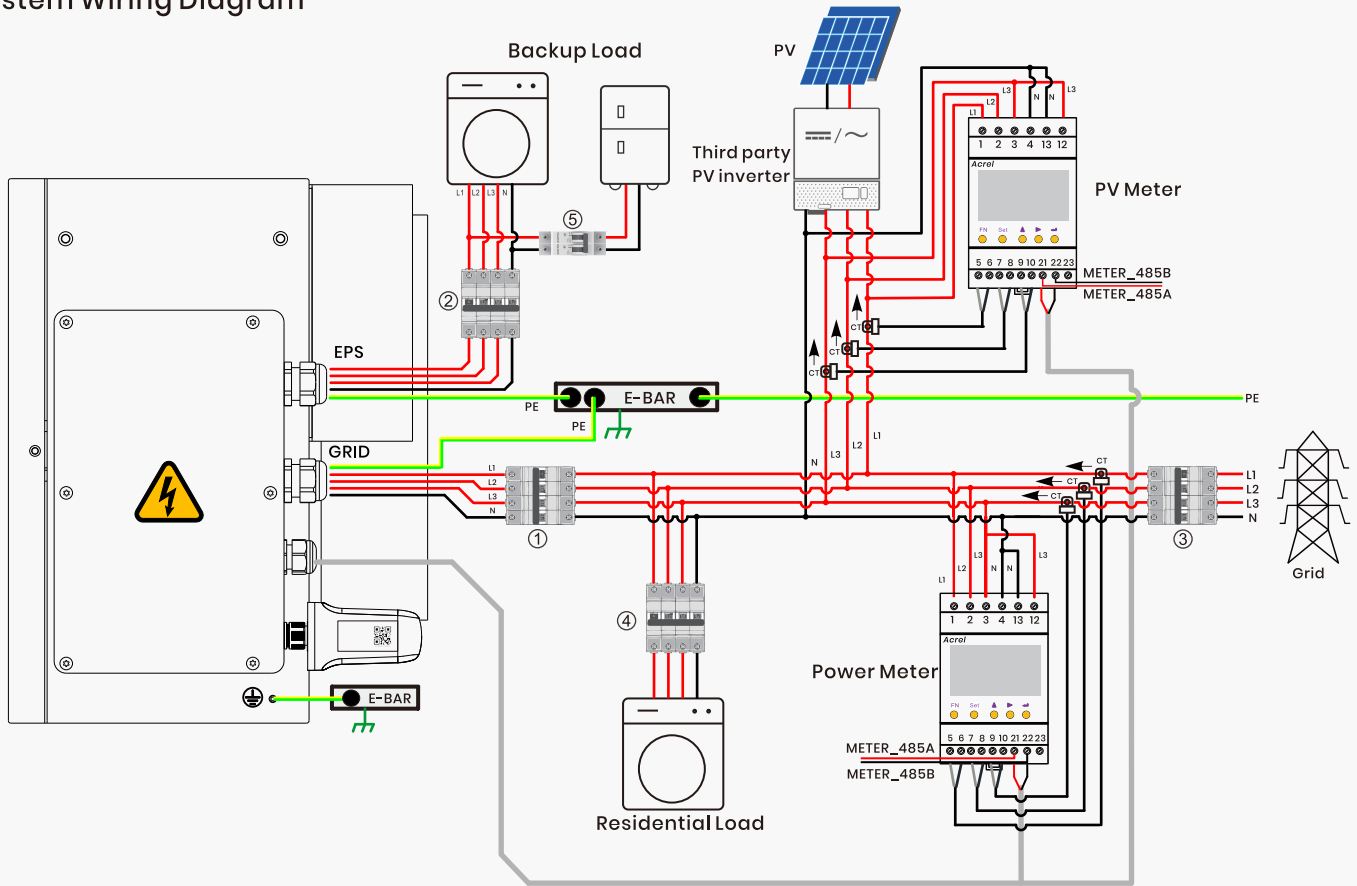
Model	①	② ⑤	③ ④
WH-TIA502	32A/230V AC breaker	16A/230V AC breaker	According to residential load (generally already installed in the grid distribution box)
WH-TIA602	32A/230V AC breaker	16A/230V AC breaker	
WH-TIA802	32A/230V AC breaker	16A/230V AC breaker	
WH-TIA103	32A/230V AC breaker	32A/230V AC breaker	
WH-TIA123	32A/230V AC breaker	32A/230V AC breaker	
WH-TIA133	32A/230V AC breaker	32A/230V AC breaker	

#### Three phase meter wiring diagram



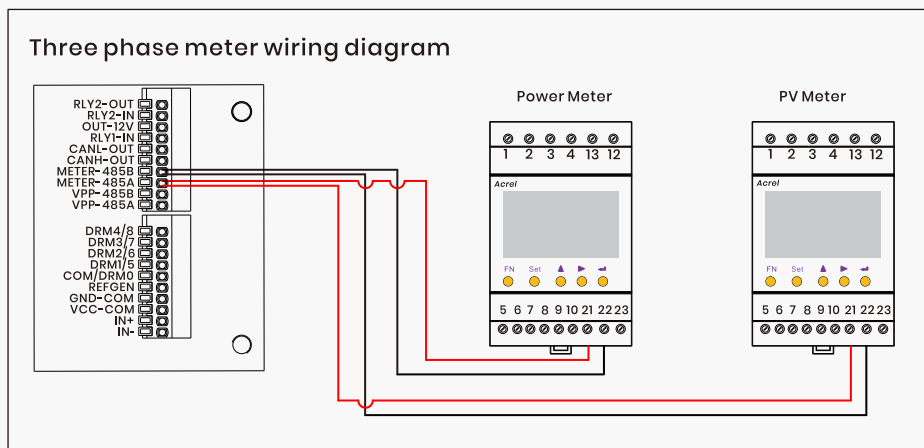


### STEP 13 (AC Couple , EU) System Wiring Diagram



Model	①	② ⑤	③ ④
WH-TIA502	32A/230V AC breaker	16A/230V AC breaker	According to residential load (generally already installed in the grid distribution box)
WH-TIA602	32A/230V AC breaker	16A/230V AC breaker	
WH-TIA802	32A/230V AC breaker	16A/230V AC breaker	
WH-TIA103	32A/230V AC breaker	25A/230V AC breaker	
WH-TIA123	32A/230V AC breaker	25A/230V AC breaker	
WH-TIA133	32A/230V AC breaker	25A/230V AC breaker	

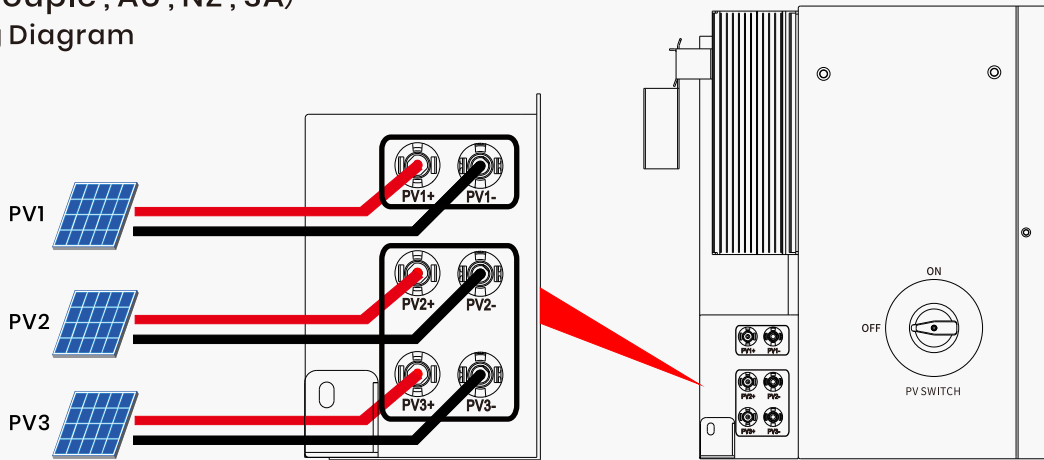
The values in the table are recommended values and can be set to other values according to actual conditions. For example, in most European countries, the values of the machine side breakers (①②⑤) should be smaller than the breaker in the main distribution panel.



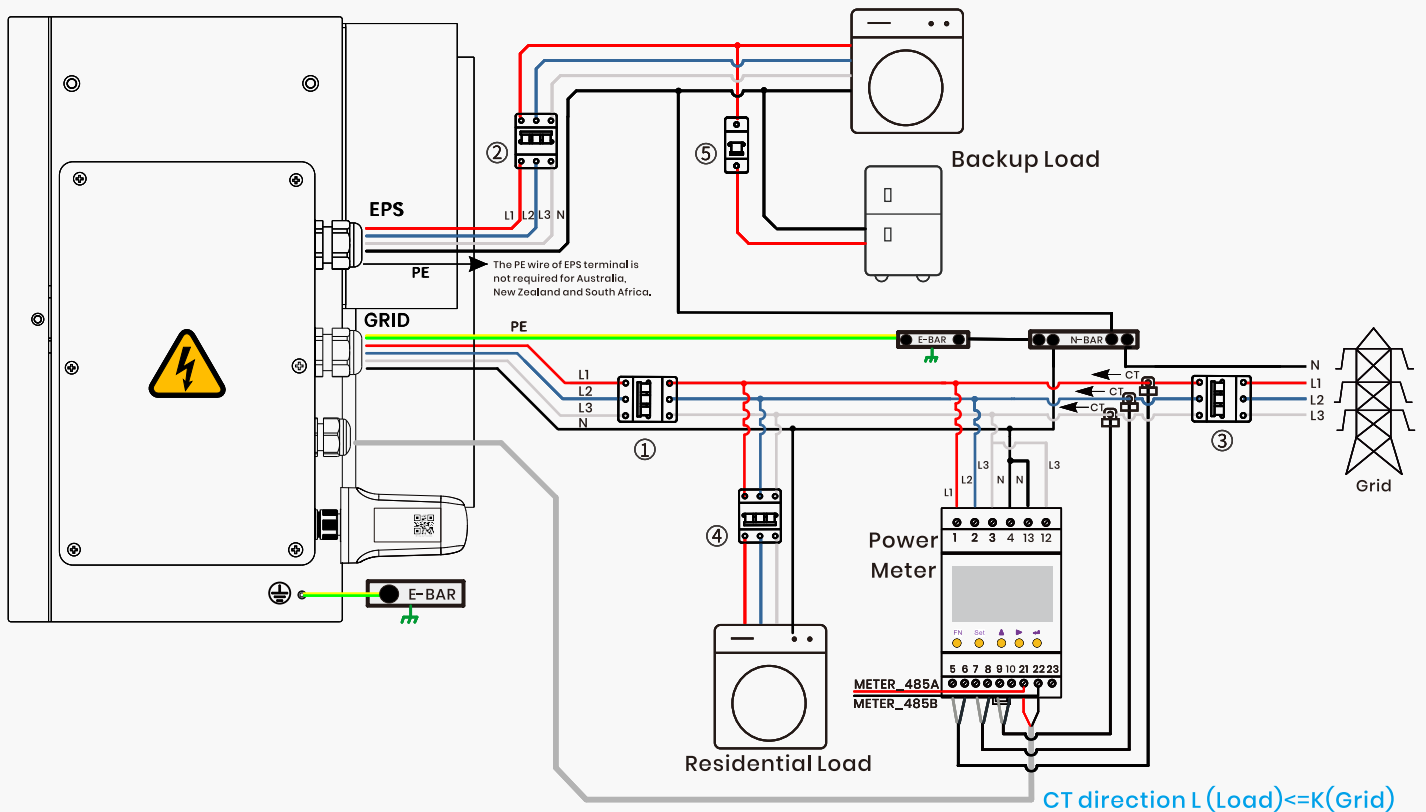


For countries such as Australia, New Zealand, South Africa, etc., please refer to the wiring diagram below and follow local wiring regulations.

### STEP 13 (DC Couple , AU , NZ , SA) System Wiring Diagram



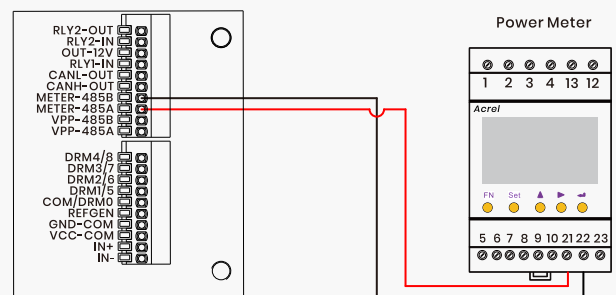
For the best use of PV power, PV2 and PV3 should be the same in PV string structure, including the type, number, tilt, and orientation of the PV modules.



CT direction L (Load) <= K (Grid)

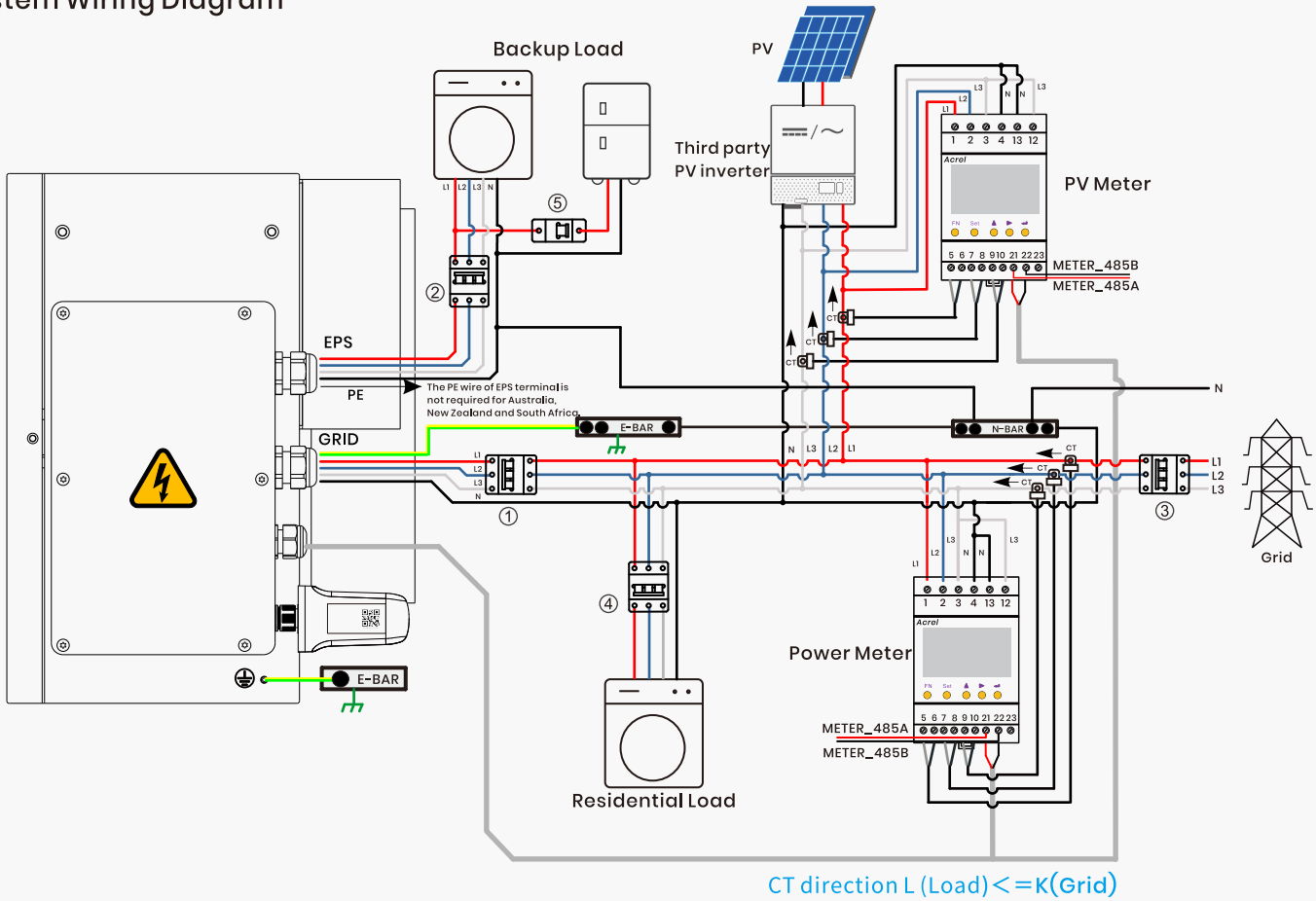
Model	①	② ⑤	③ ④
WH-TIA502	32A/230V AC breaker	16A/230V AC breaker	According to residential load (generally already installed in the grid distribution box)
WH-TIA602	32A/230V AC breaker	16A/230V AC breaker	
WH-TIA802	32A/230V AC breaker	16A/230V AC breaker	
WH-TIA103	32A/230V AC breaker	32A/230V AC breaker	
WH-TIA123	32A/230V AC breaker	32A/230V AC breaker	
WH-TIA133	32A/230V AC breaker	32A/230V AC breaker	

#### Three phase meter wiring diagram





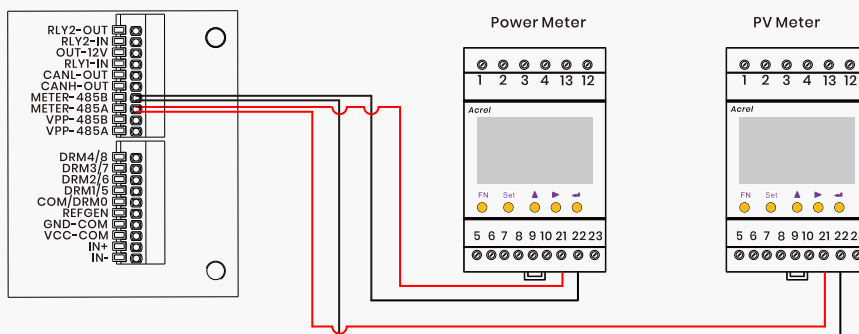
### STEP 13 (AC Couple , AU , NZ , SA) System Wiring Diagram



Model	①	② ⑤	③ ④
WH-TIA502	32A/230V AC breaker	16A/230V AC breaker	According to residential load (generally already installed in the grid distribution box)
WH-TIA602	32A/230V AC breaker	16A/230V AC breaker	
WH-TIA802	32A/230V AC breaker	16A/230V AC breaker	
WH-TIA103	32A/230V AC breaker	25A/230V AC breaker	
WH-TIA123	32A/230V AC breaker	25A/230V AC breaker	
WH-TIA133	32A/230V AC breaker	25A/230V AC breaker	

The values in the table are recommended values and can be set to other values according to actual conditions. For example, in most European countries, the values of the machine side breakers (①②⑤) should be smaller than the breaker in the main distribution panel.

### Three phase meter wiring diagram





## STEP 14

App Pairing  
Preparation:

1. Ensure that the device has been properly installed and powered on.
2. Confirm that the Wi-Fi signal at the installation site is stable and strong.
3. A mobile phone with Android or iOS system.
4. Stay within close proximity to the device.

## Notice

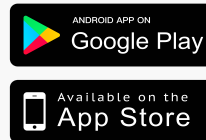
To complete device networking and configuration, installers are required to use the **ECOS Hub App**. Please download and install the ECOS Hub App in the iOS App Store or Google Play Store, or scan the QR code. For detailed instructions on using the app, scan the QR code for **App Use Guide**.  
**Note:** The ECOS Hub App is intended for **installers only**. End users should use the **ECOS App** for system monitoring and daily operation.



**Installer**

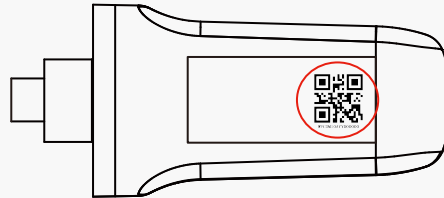


**Download**



**APP Guide**

The Product ID QR code for network connection is located on the Wi-Fi dongle installed on the right side of the device.



**ECOS App** is provided to End User for daily system monitoring.

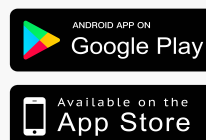
Please download and install the ECOS App in the iOS App Store or Google Play Store, or scan the QR code. Gain full system monitoring access by scanning the QR code provided by the installer. For detailed instructions on using the app, scan the QR code for **App Use Guide**.



**User**



**Download**



**APP Guide**