

A17B1_Anker SOLIX Home Power Panel_UG&Safety

QR code



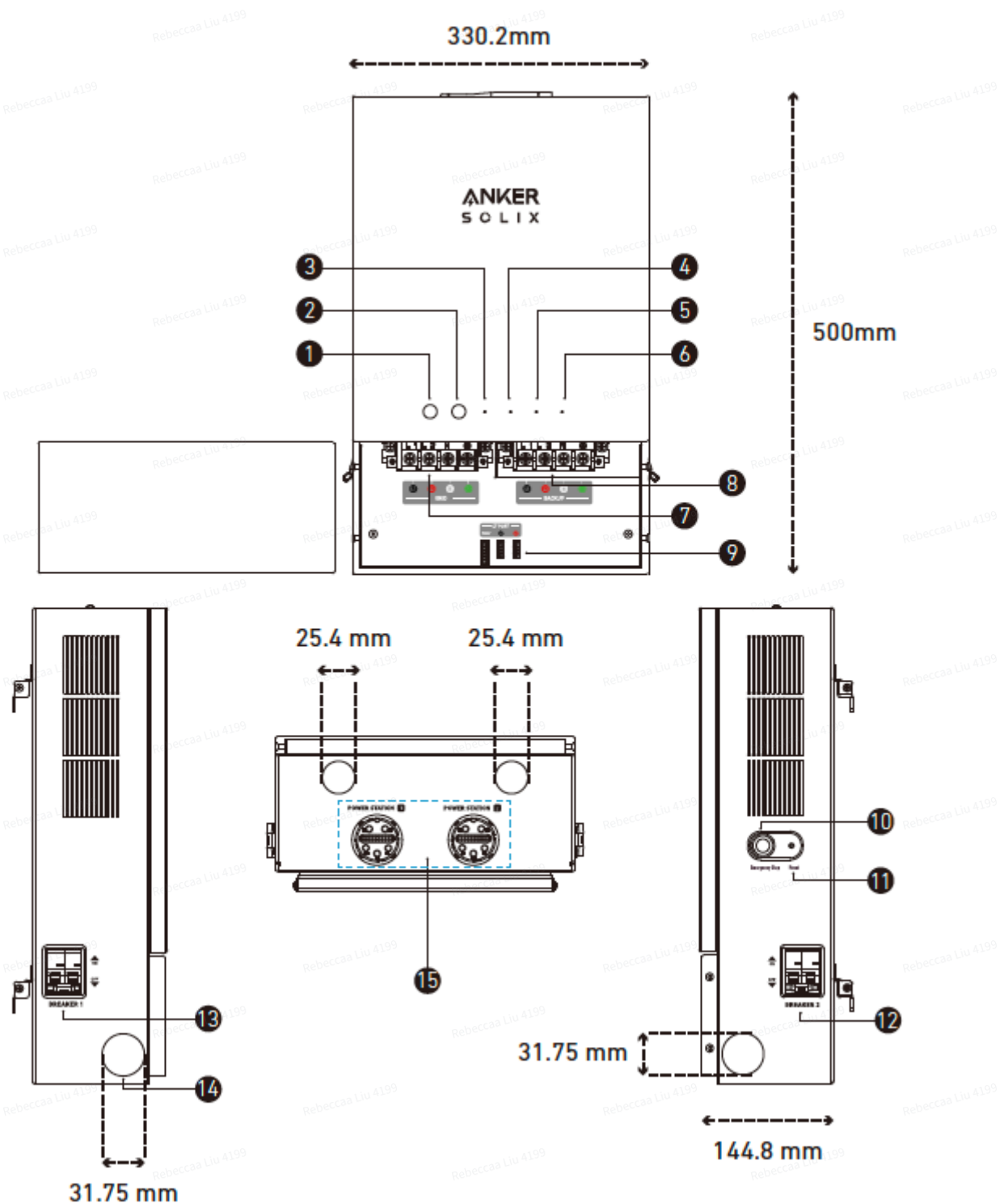
(Installation Guide)

OTA Upgrade

1. To ensure your home power panel can achieve optimal performance and use all the latest features, we recommend performing an OTA upgrade when you first use it. An OTA upgrade is a method of wirelessly updating your device's firmware or operating system.
2. Moreover, please pay close attention to update prompts from the app. Once you receive a notification, we encourage you to proceed with the manual upgrade immediately to ensure your software is always up to date.
3. If you want to check for firmware updates, you can go to the settings portal in the upper right corner of the [Home] page and click [Firmware Update] to check for version updates. If there's a new update, simply follow the on-screen instructions to complete the upgrade.

Components Overview

Anker SOLIX Home Power Panel



1. On/Off Button

To Power On/Off: Press for 2 seconds.

Steady white indicator: The home power panel is working normally.

Indicator off: The home power panel is turned off.

Flashing white indicator: There is a product malfunction.

2. IoT

This button can be used to turn on the Bluetooth hotspot.

Press the IoT button once to connect your device through the app. If the indicator is flashing white, it indicates that the network is being configured. If the light turns steady white, it means the network configuration is successful. If the light goes out, it means the network configuration has failed.

Press the IoT button for 2 seconds to turn off Bluetooth and Wi-Fi.

Press the IoT button for 7 seconds to reset Bluetooth and Wi-Fi. The indicator will flash white.

3. Grid Indicator

The indicator is steady white when the Anker SOLIX Home Power Panel gets power from the grid.

4. Power Station 1 Indicator

5. Power Station 2 Indicator

The indicators are steady white when the power station is connected with the home power panel.

The indicators flash white when there is a malfunction with the device connection.

The indicators are off when the power station is not connected with the home power panel.

6. Backup Load Indicator

The indicator is on when the home power panel is supplying power to the home loads.

7. Grid Wiring Area

8. Backup Wiring Area

9. Current Sensor

It can be used to connect the cables of current transformers.

10. Emergency Stop

It can be manually or automatically turned on (under overload or short-circuit conditions) to interrupt the current of the entire system, preventing further damage to the circuit.

11. Reset

Inserting a pin into this hole can reset the device to factory settings.

12. Breaker 2

It can be manually or automatically turned on (under overload or short circuit conditions) to interrupt the current of Power Station 2, preventing further damage to the circuit.

13. Breaker 1

It can be manually or automatically turned on (under overload or short circuit conditions) to interrupt the current of Power Station 1, preventing further damage to the circuit.

14. Wiring Hole

The diameter of the side wiring hole is 1.73 in / 43.94 mm.

The diameter of the bottom wiring hole is 1.33 in / 33.78 mm.


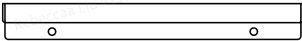
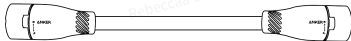
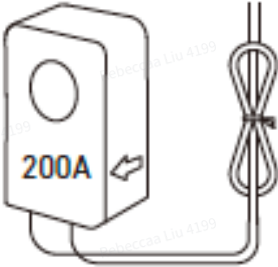


15. Power Station Ports

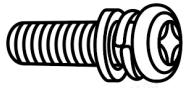
The ports can be used to connect the power station and the home power panel.

16. Antenna

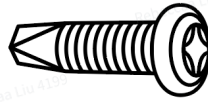
💡 If the device is in OTA upgrade status, four indicators activate from right to left except the On/Off button.

Accessories for Anker SOLIX Home Power Panel

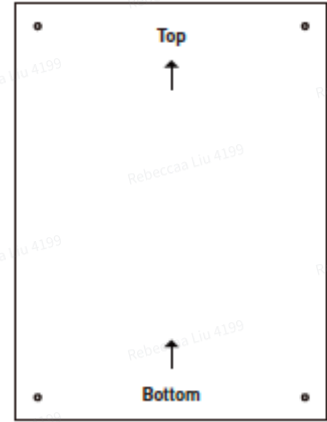
 <p>A17B1 Backplate Bracket 1 (×2)</p>	 <p>A17B1 Backplate Bracket 2 (×2)</p>	 <p>F3800 to Home Power Panel Cable (1.5m) (×1)</p>
 <p>200A Current Transformer</p>	 <p>100A Current Transformer</p>	 <p>M6*60 Expansion Bolt (Secures Backplate Bracket 2 to a concrete wall) (×4)</p>



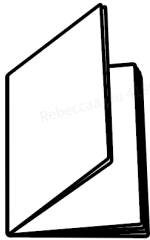
M4*10 Cross Recessed
Countersink Screw (Including 4
screws to secure to the side of
Backplate Bracket 2)
(×10)



M6*50 Hexagonal Self-Tapping
Screw (Secures Backplate
Bracket 2 to a wooden wall. Also
secures 12-Circuit Backup Load
Center.)
(×4)

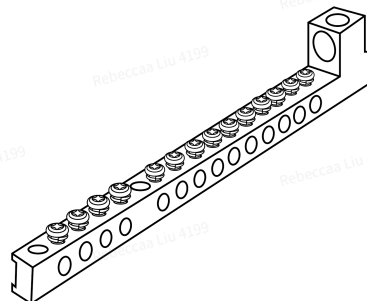


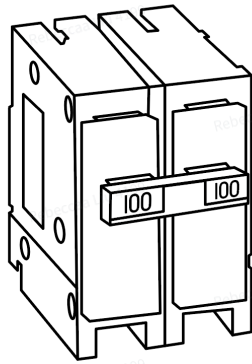
Positioning Card



Installation Manual

Accessories for 12-Circuit Backup Load Center

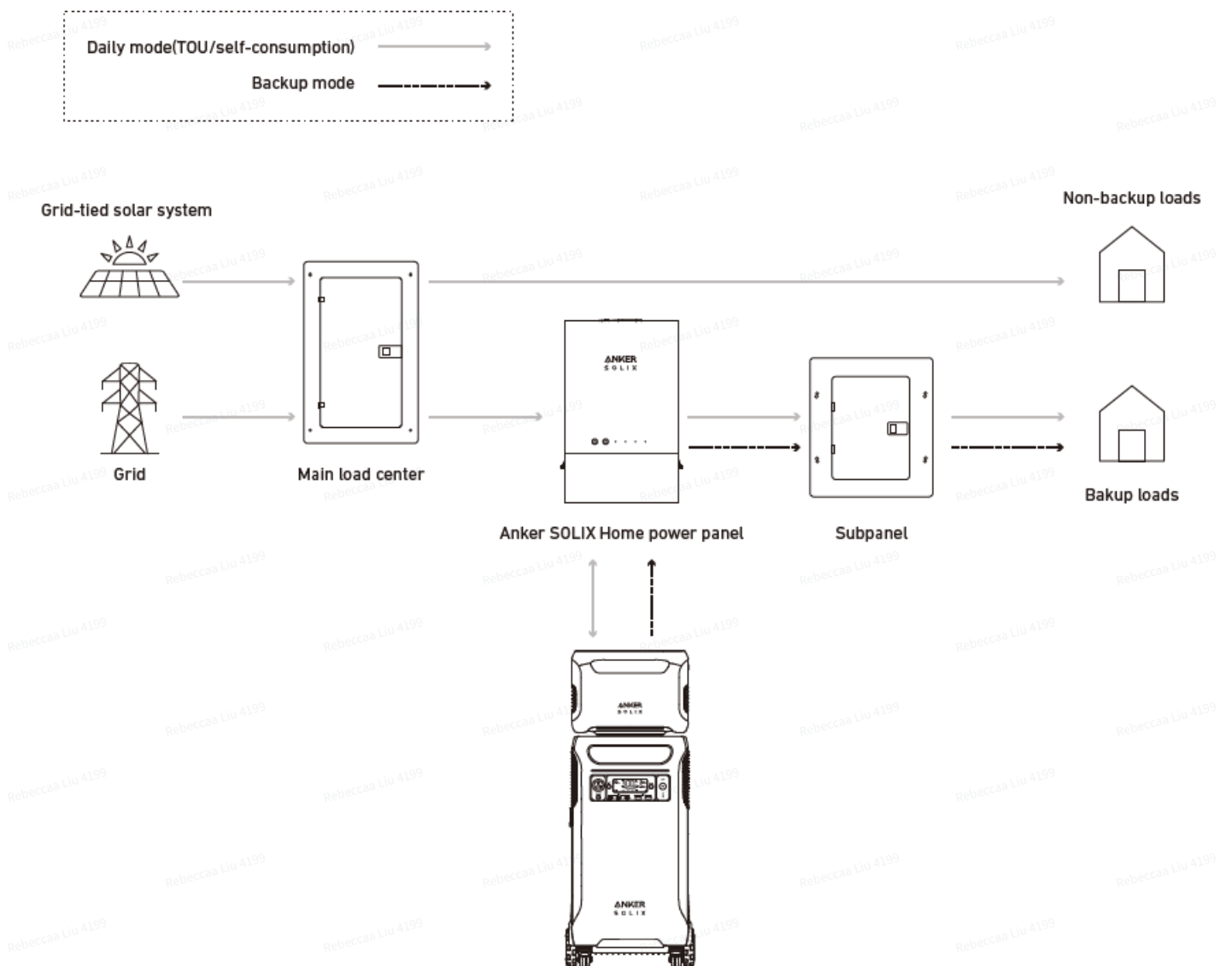




100A Circuit Breaker
(x1)

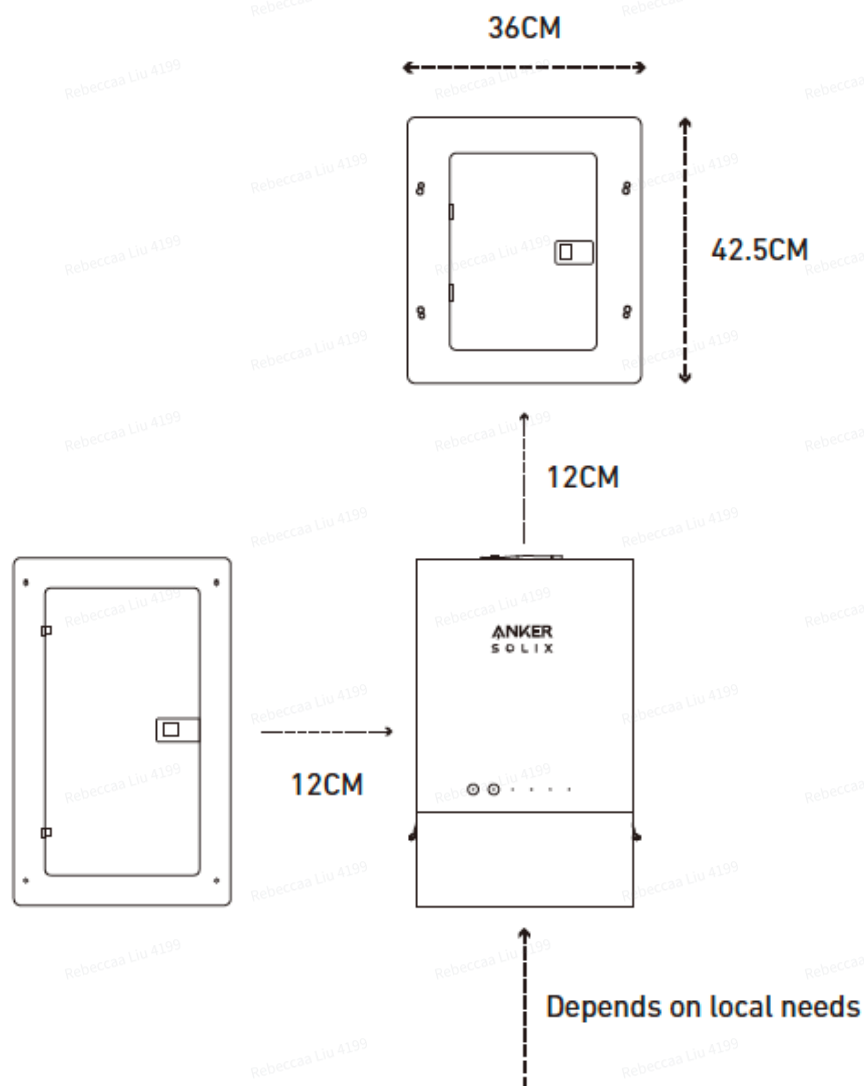
12-Circuit Backup Load Center Ground
Bar Kit
(x1)

System Overview



Pre-Installation

1. Confirm whether your residence has installed the Home Main Panel and whether the main control panel is located indoors. Because the Anker SOLIX Home Power Panel is designed for indoor use, the location of the Home Main Panel plays a key role in the installation and use of the system. **Make sure the product is installed in a dry and ventilated location.**
2. Check for enough space near the Home Main Panel to install the system components. You can refer to the illustration below to understand the specific installation distance requirements. This step is very important because appropriate installation space can ensure the normal operation of the system and improve the safety of the system.
3. Location: Anker SOLIX Home Power Panel should be 5in / 127mm from the Home Main Panel and align with or be lower than its bottom for safety. The 12-Circuit Backup Load Center should be 5in / 127mm above the Anker SOLIX Home Power Panel. Make sure to note the dimensions and spacing in the installation diagram.



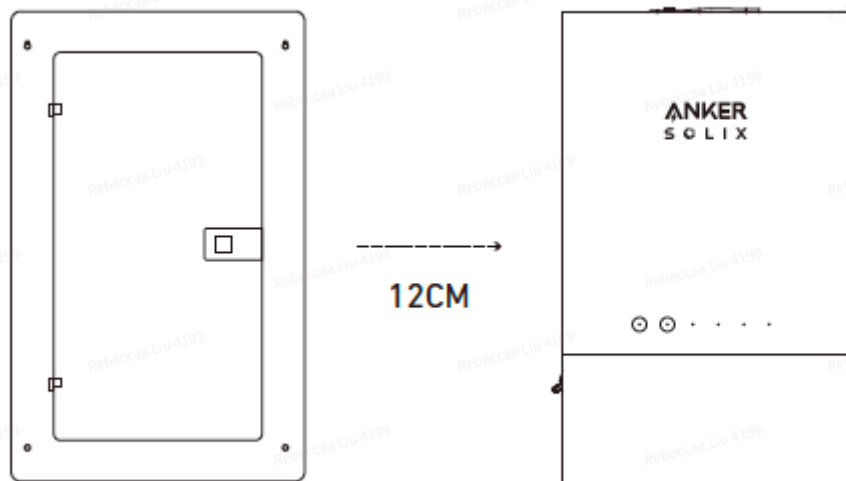
1. If the Home Main Panel isn't indoors or lack space, arrange for a suitable power cable.

2. Keep a clear space of three feet in front of the Home Main Panel for workspace.

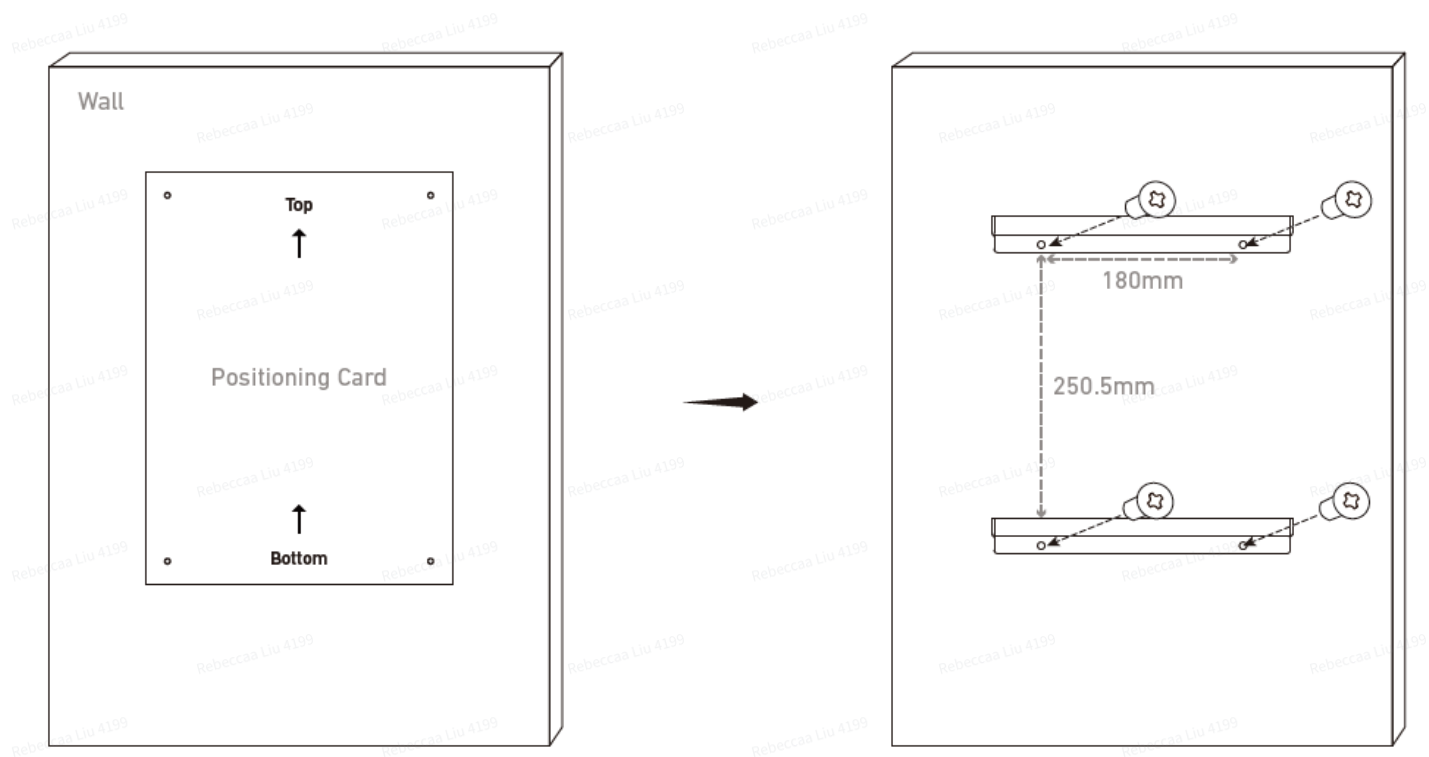
Installation

Install the Anker SOLIX Home Power Panel

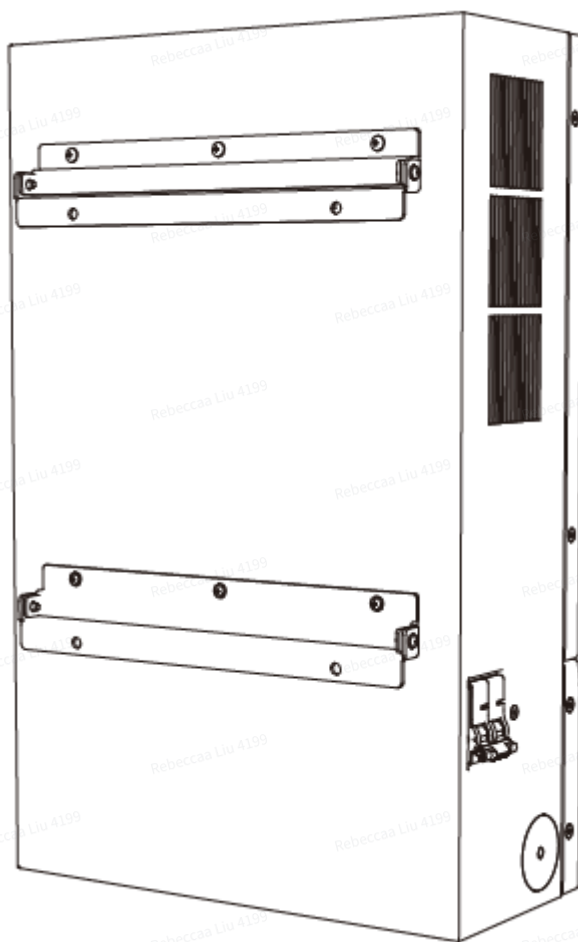
1. Reserve at least 12cm of space next to the Home Main Panel and mark the position of the Anker SOLIX Home Power Panel on the wall.



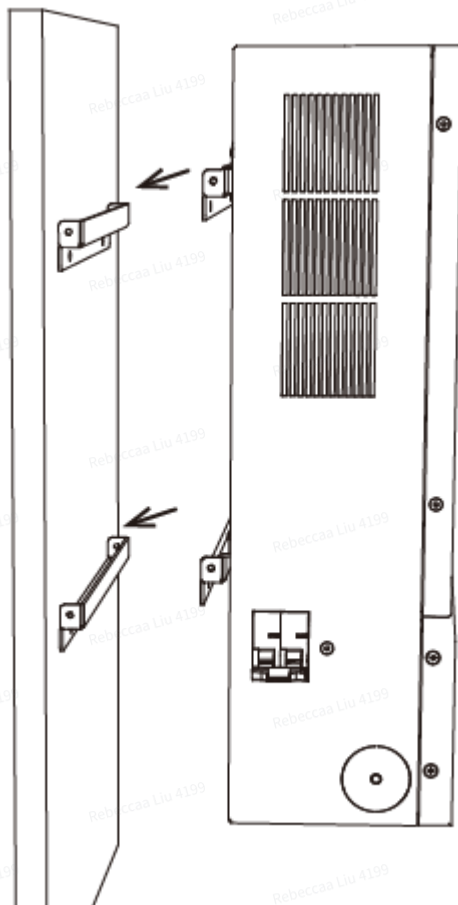
2. Install the mounting bar on the wall using 4 screws with the positioning card provided. (The distance between the two screw holes up and down is 250.5mm, and the distance between the two screw holes left and right is 180mm.) Then tighten all the screws with 5N*m torque.



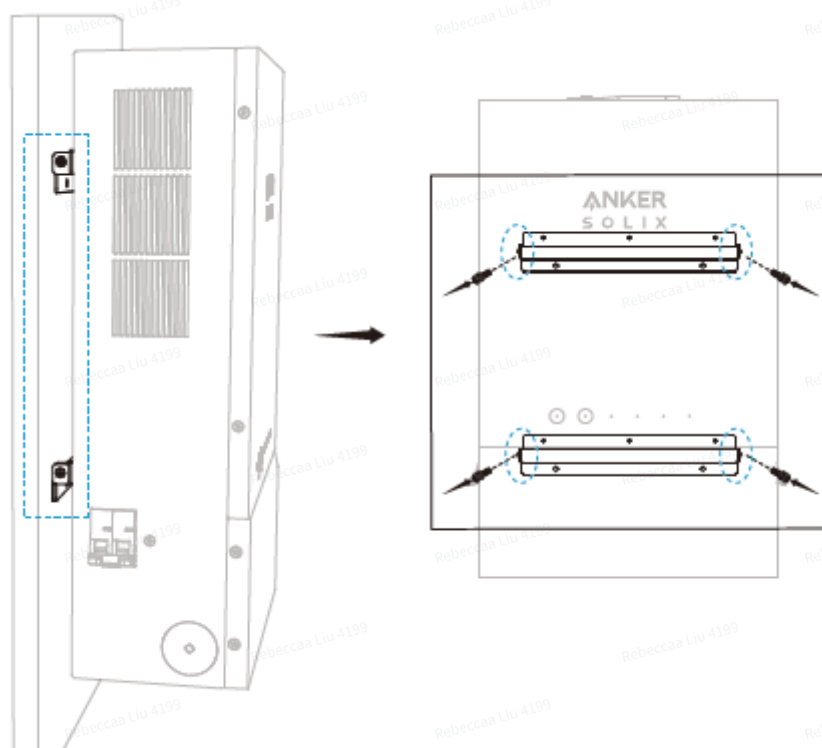
3. Install the mounting bar on the back of the Anker SOLIX Home Power Panel. Tighten all the screws with $1.6\text{N}\cdot\text{m}$ torque.



4. Engage the mounting bar on the back of the Anker SOLIX Home Power Panel with the mounting bar on the wall.

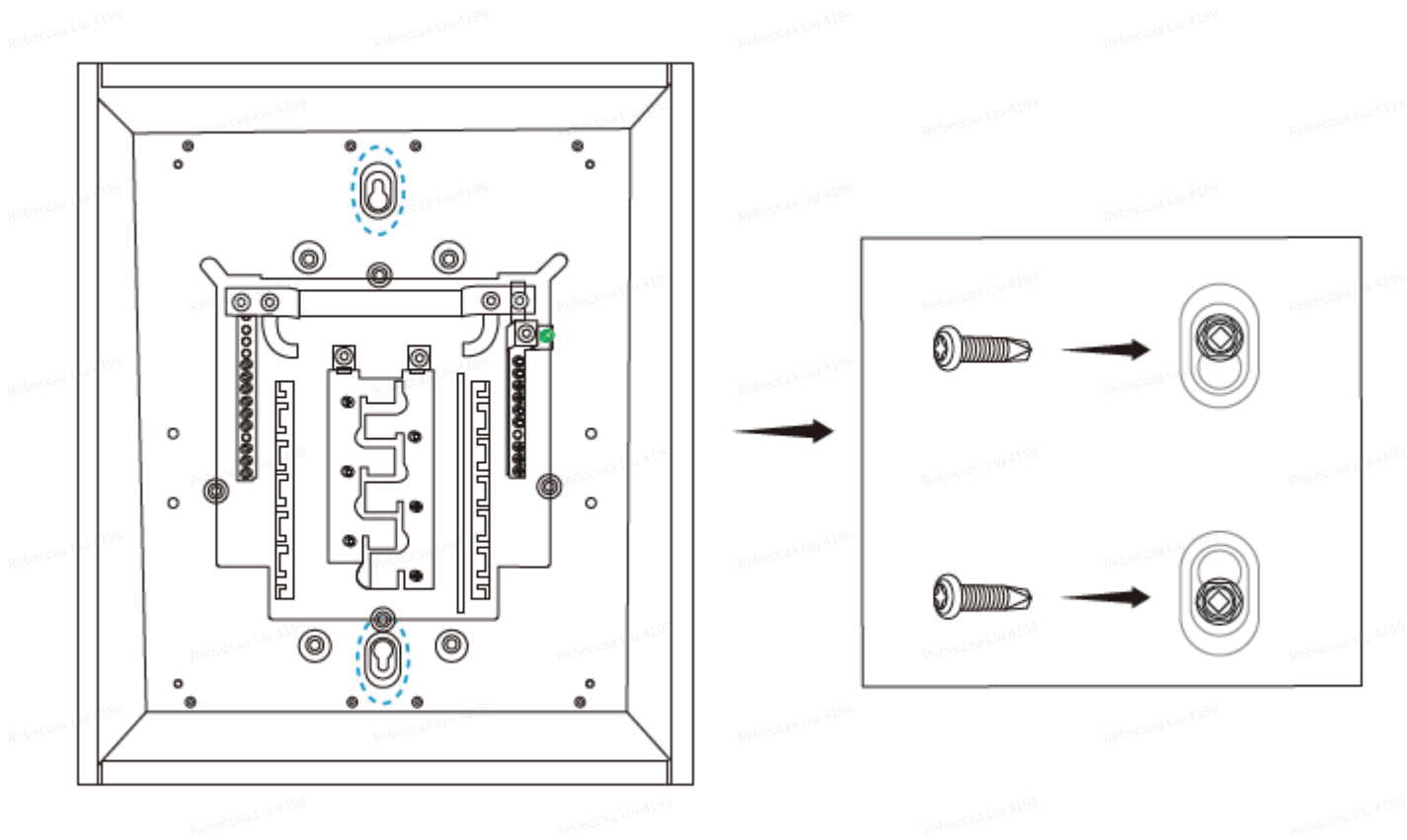


5. Lock the mounting bar from the side, you need to install 4 screws with 1.6N*m torque.



Install the 12-Circuit Backup Load Center

Open the 12-Circuit Backup Load Center, align the casing's screws with the holes, and secure them to the wall with 5N*m torque.



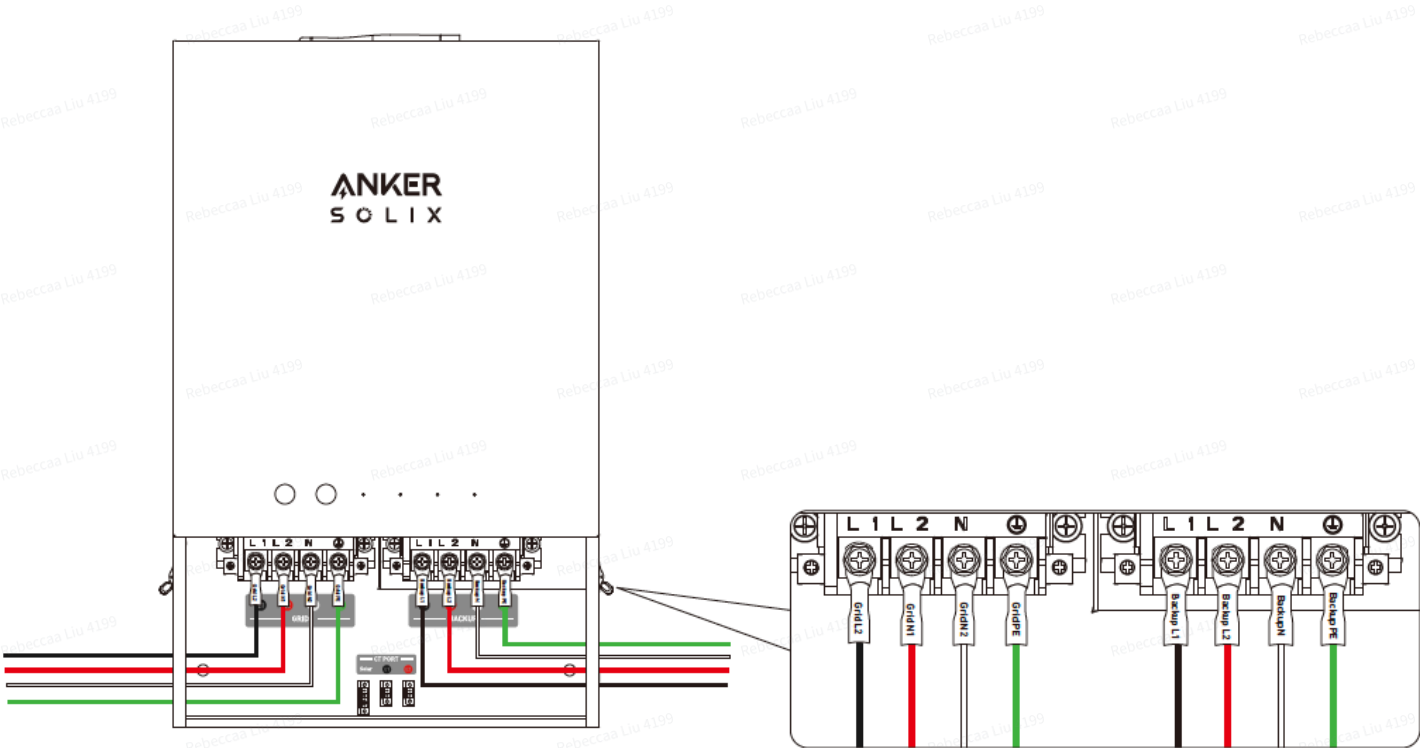
Electrical Connections

	Cable		Color	Current	Gauge	Material
Single F3800 System	Grid	L1	Black	50A Max	6AWG	Copper
		L2	Red		6AWG	
		N	White		6AWG	
		PE	Green and yellow		12 AWG	
	Backup	L1	Black	25A Max	12 AWG	
		L2	Red		12 AWG	
		N	White		12 AWG	
		PE	Green and yellow		12 AWG	
Parallel F3800s System	Grid	L1	Black	75A Max	3 AWG	
		L2	Red		3 AWG	
		N	White		3 AWG	
		PE	Green and yellow		8 AWG	

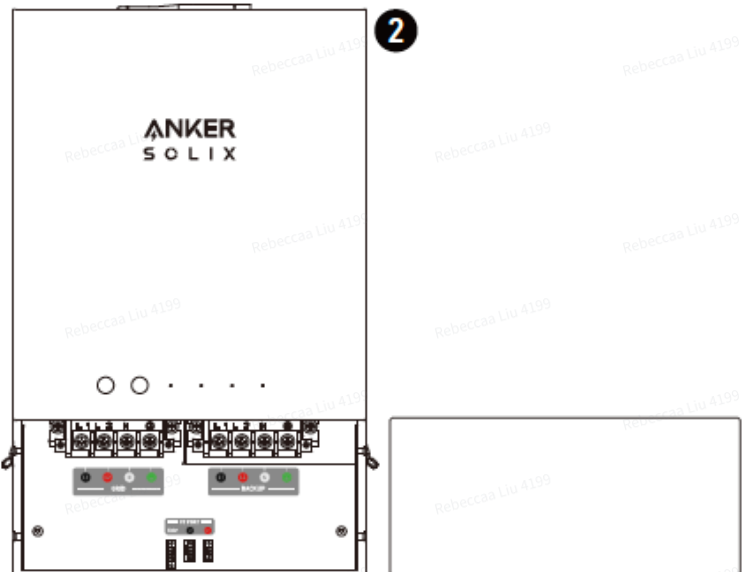
Backup	L1	Black	50A Max	6AWG
	L2	Red		6AWG
	N	White		6AWG
	PE	Green and yellow		12 AWG

*The cables are not included in this package. Please purchase appropriate cables based on the Current, Gauge, and Material specifications provided in the table.

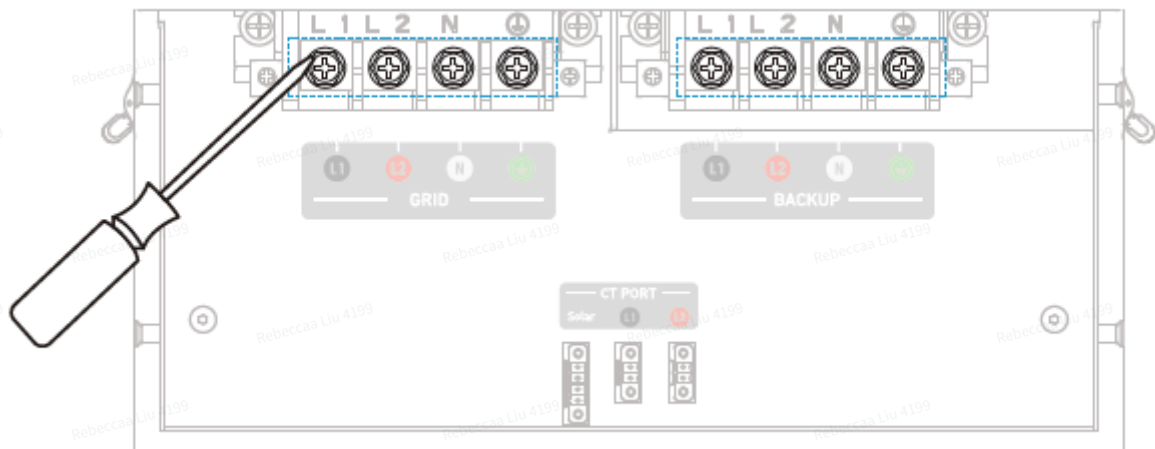
Anker SOLIX Home Power Panel Wiring



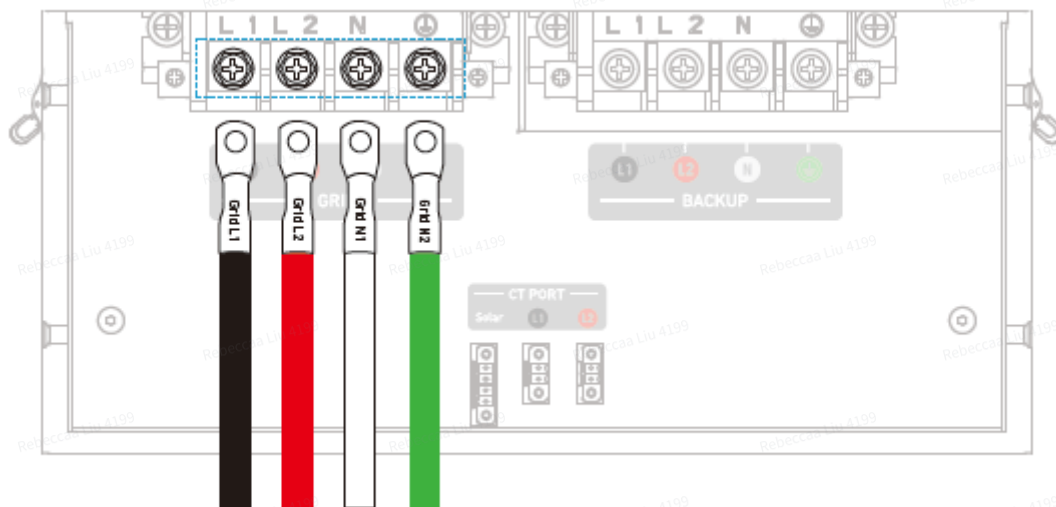
1. Remove the panel from the wiring area beneath the Anker SOLIX Home Power Panel.

1**2**

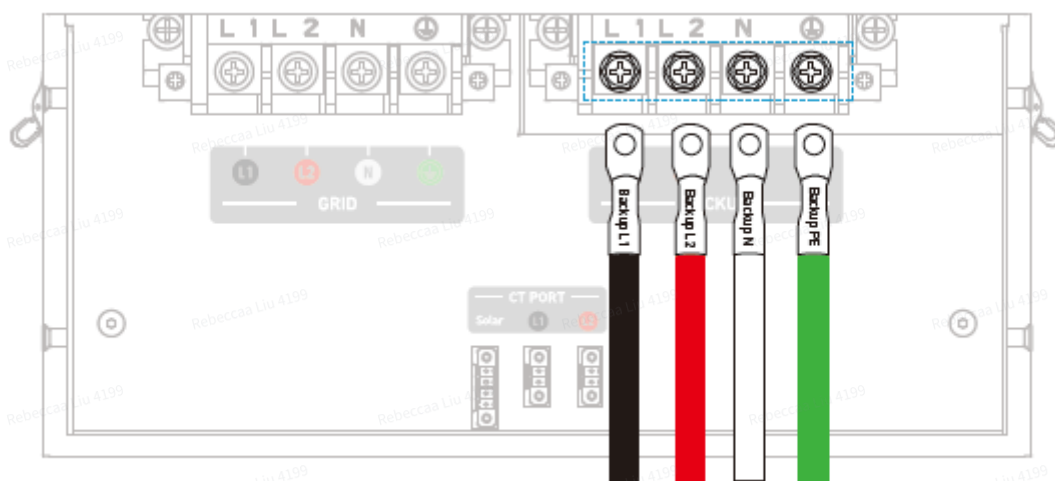
2. Use a screwdriver to unscrew the grid wiring connectors and backup wiring connectors with 5N*m torque.



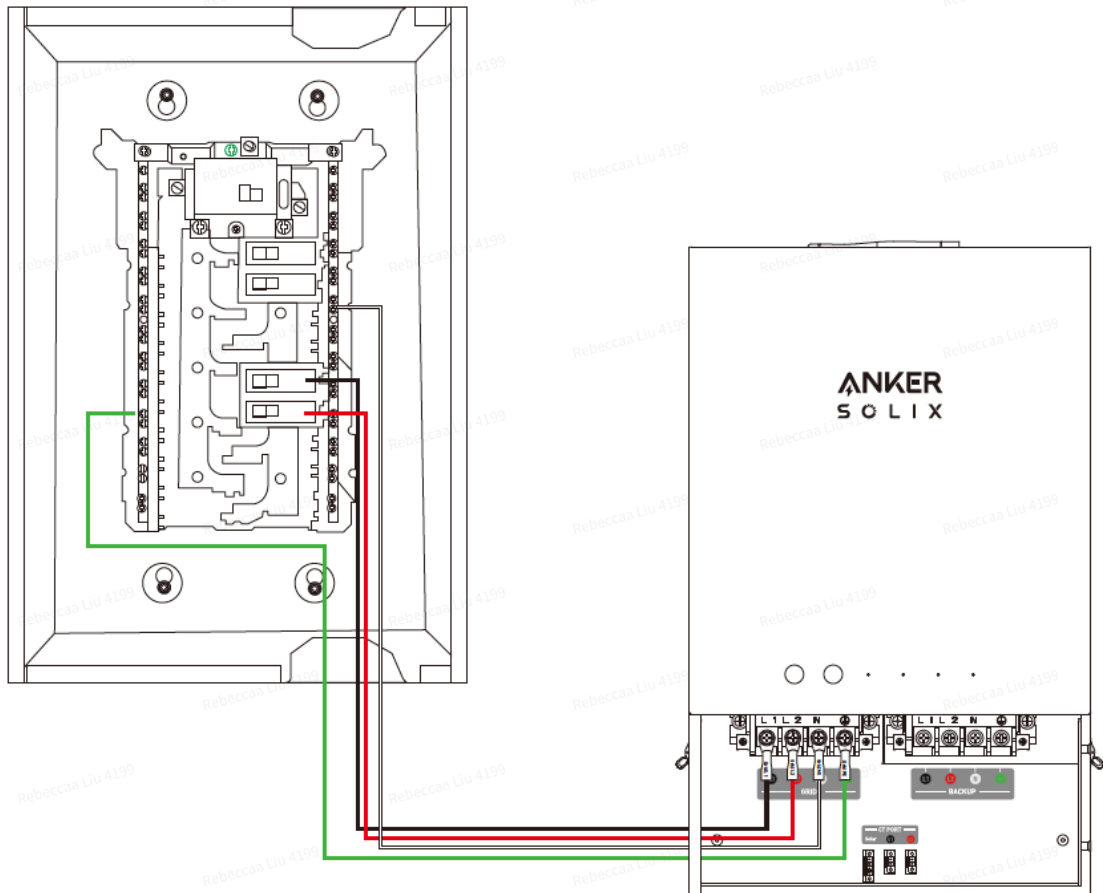
3. Connect 4 cables labeled Grid to the grid wiring connectors with 5N*m torque. From left to right, they are: L1 / L2 / N / PE.



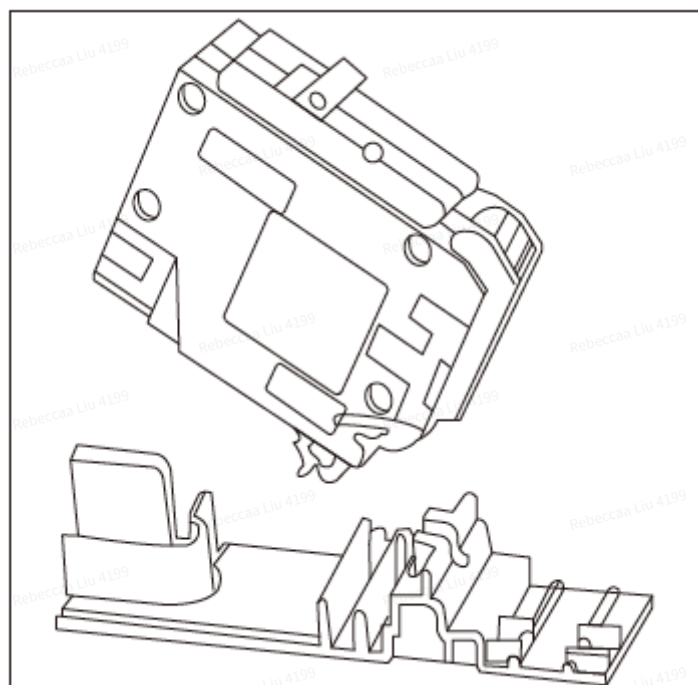
4. Connect 4 cables labeled Backup to the backup wiring connectors with 5N*m torque. From left to right, they are: L1 / L2 / N / PE.



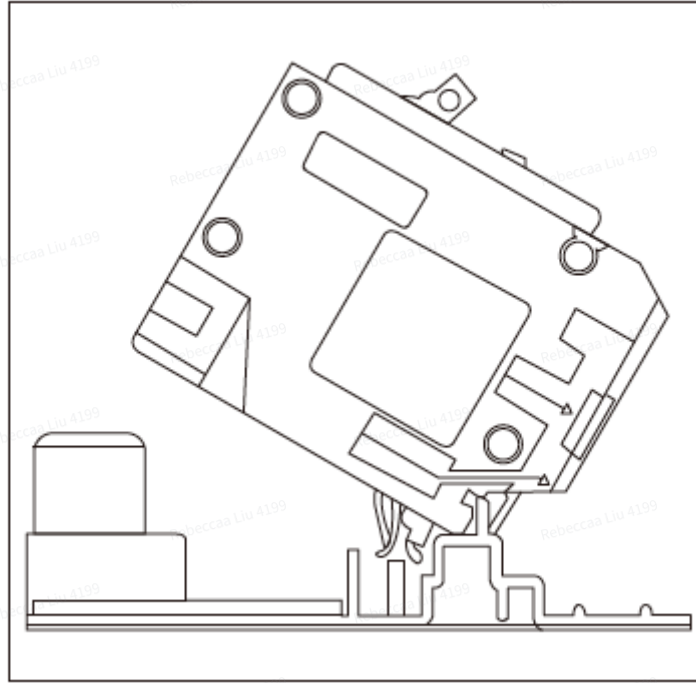
Connect Anker SOLIX Home Power Panel and Home Main Panel



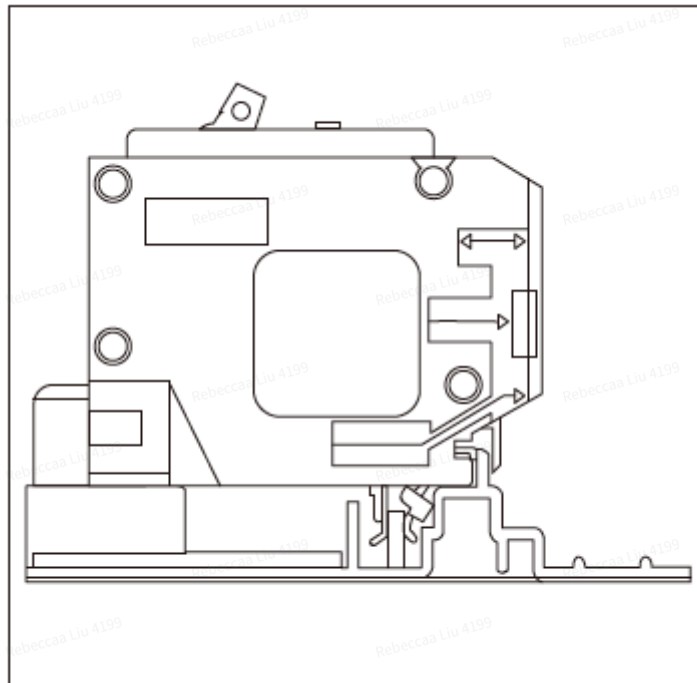
1. The installation personnel need to wear insulating gloves, safety glasses, and rubber-soled shoes. Turn off the Home Main Panel and remove its wiring compartment cover.
2. Take out the 100A Circuit Breaker from the package and connect it to L1 and L2 on the Home Main Panel.
 - ① Align the breaker "FIN" with the Home Main Panel "SLOT".



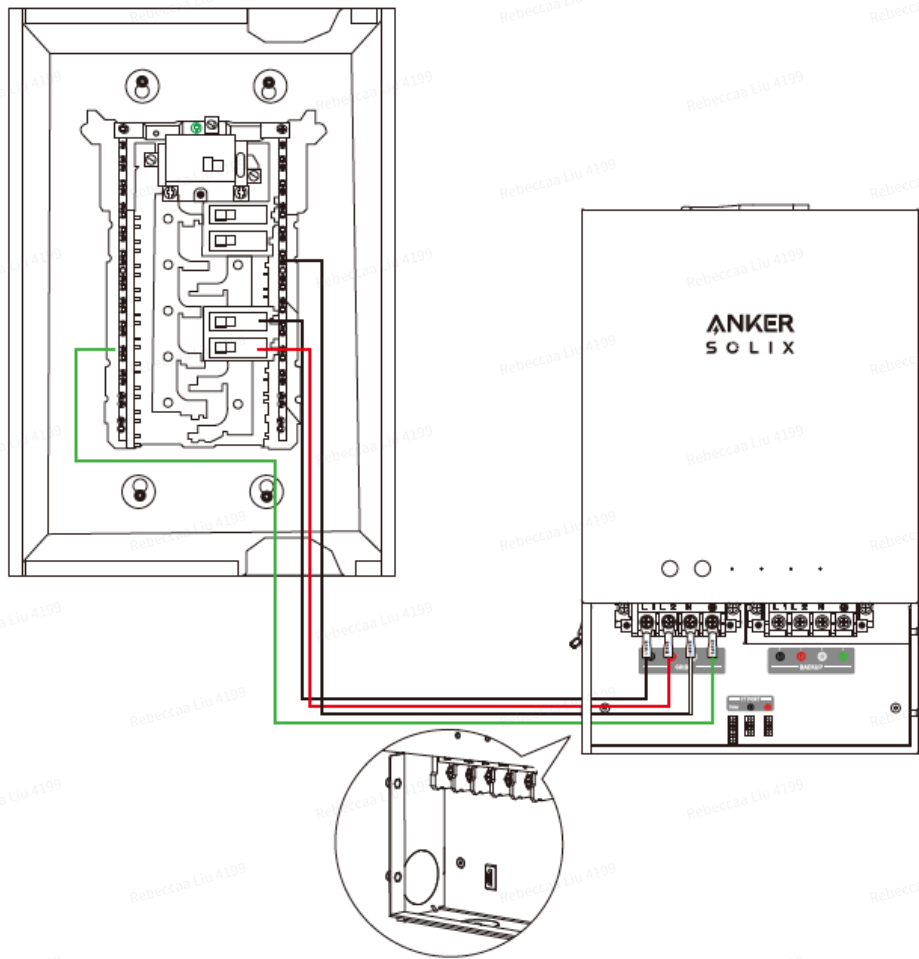
② Rock the breaker back~45° and insert "FOOT" into backpan.



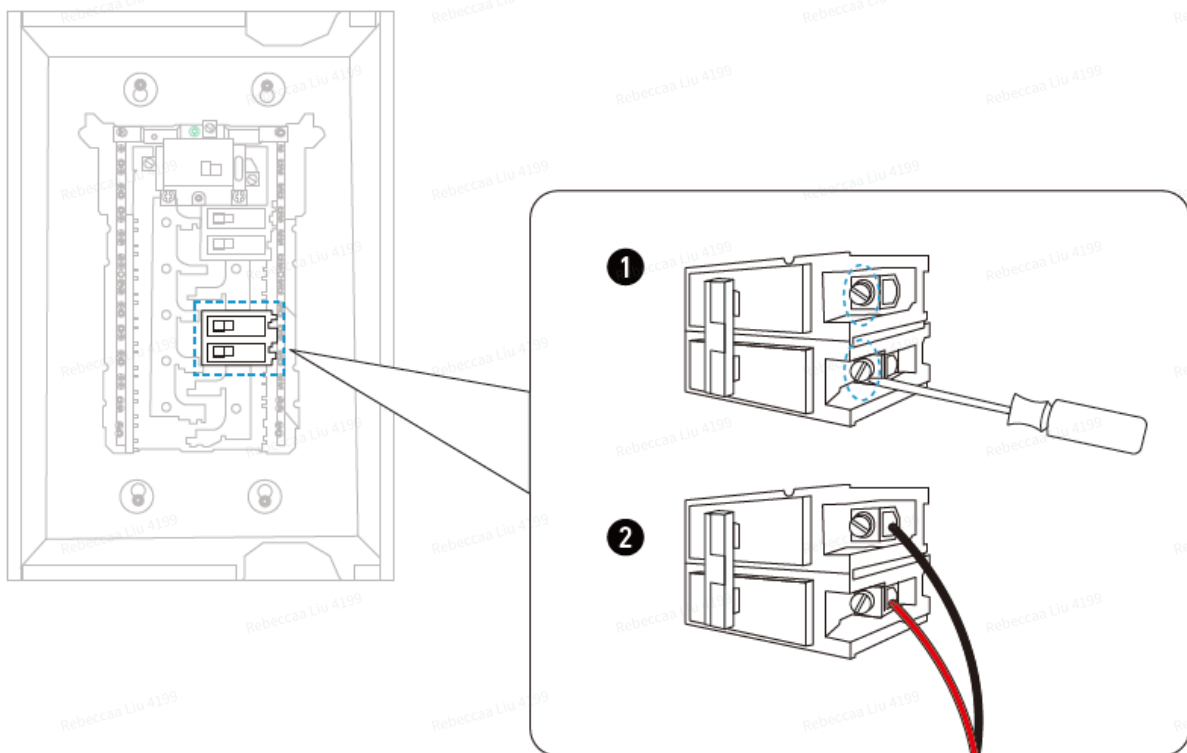
③ While pulling the breaker towards the backpan slot, rotate down to lock into place.



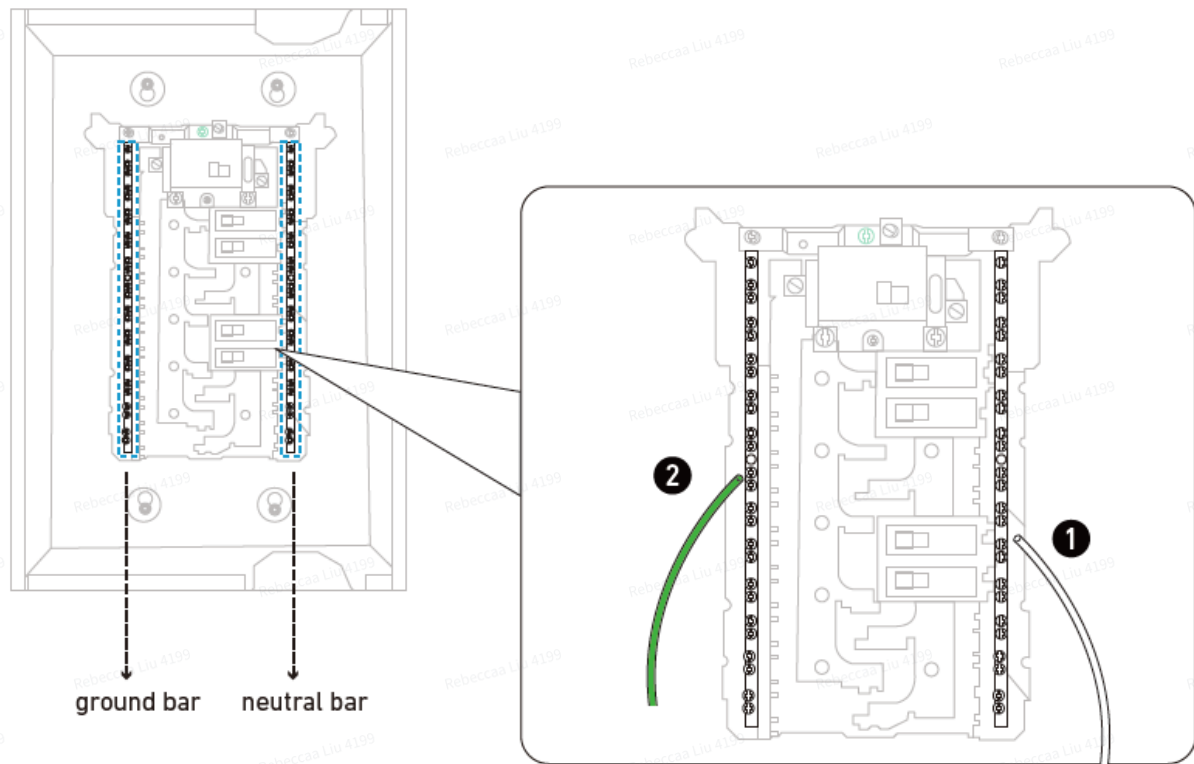
3. Run the 4 cables marked "Grid" through the left hole of Anker SOLIX Home Power Panel and thread them into hole in the bottom of the Home Main Panel.



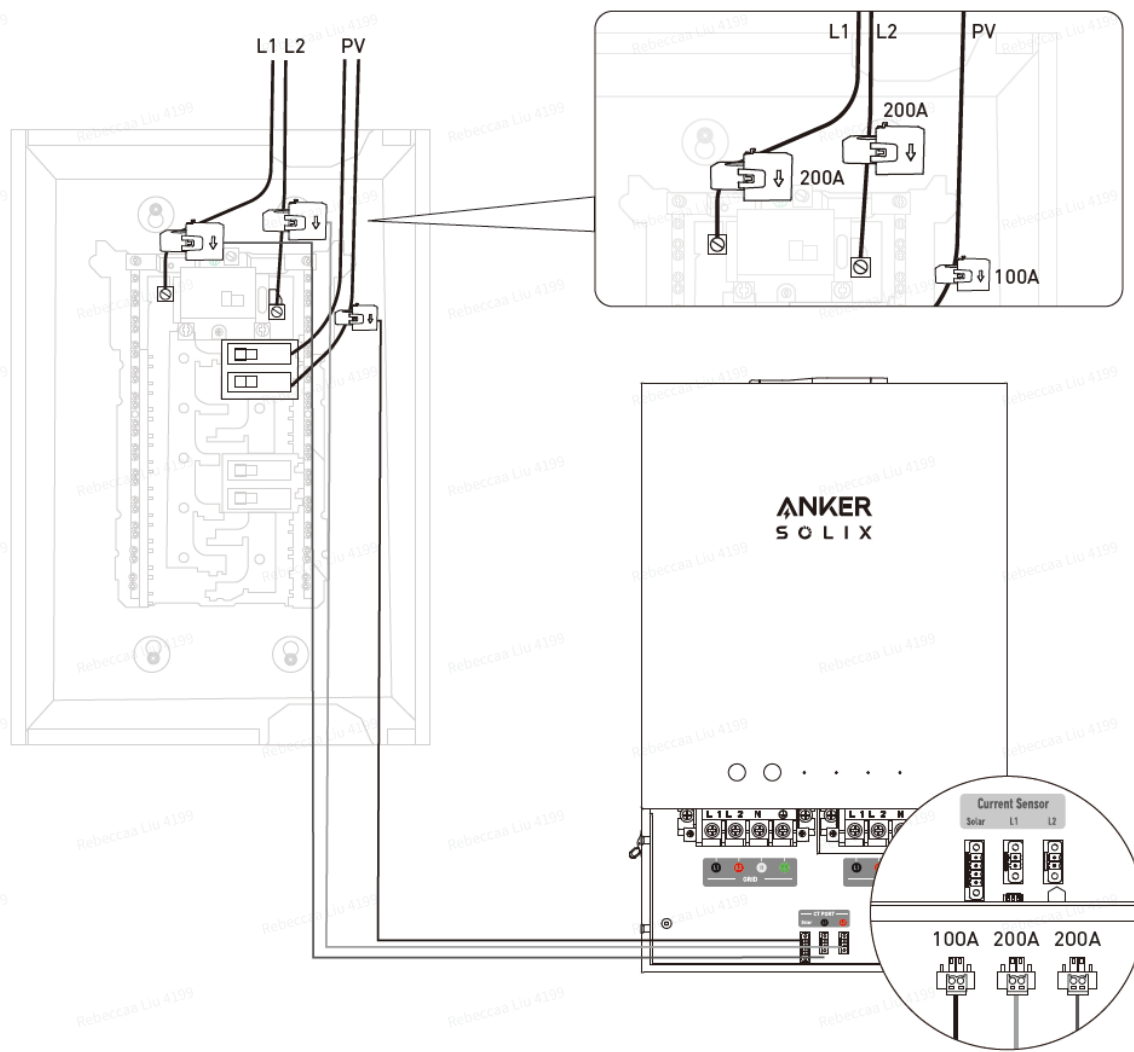
4. Loosen the wire screws, and insert 2 live wires into the 100A Circuit Breaker.



5. Loosen the wire screws, insert 1 neutral wires and 1 ground wire into the unused openings on the neutral bar and ground bar respectively. Then tighten the screws.

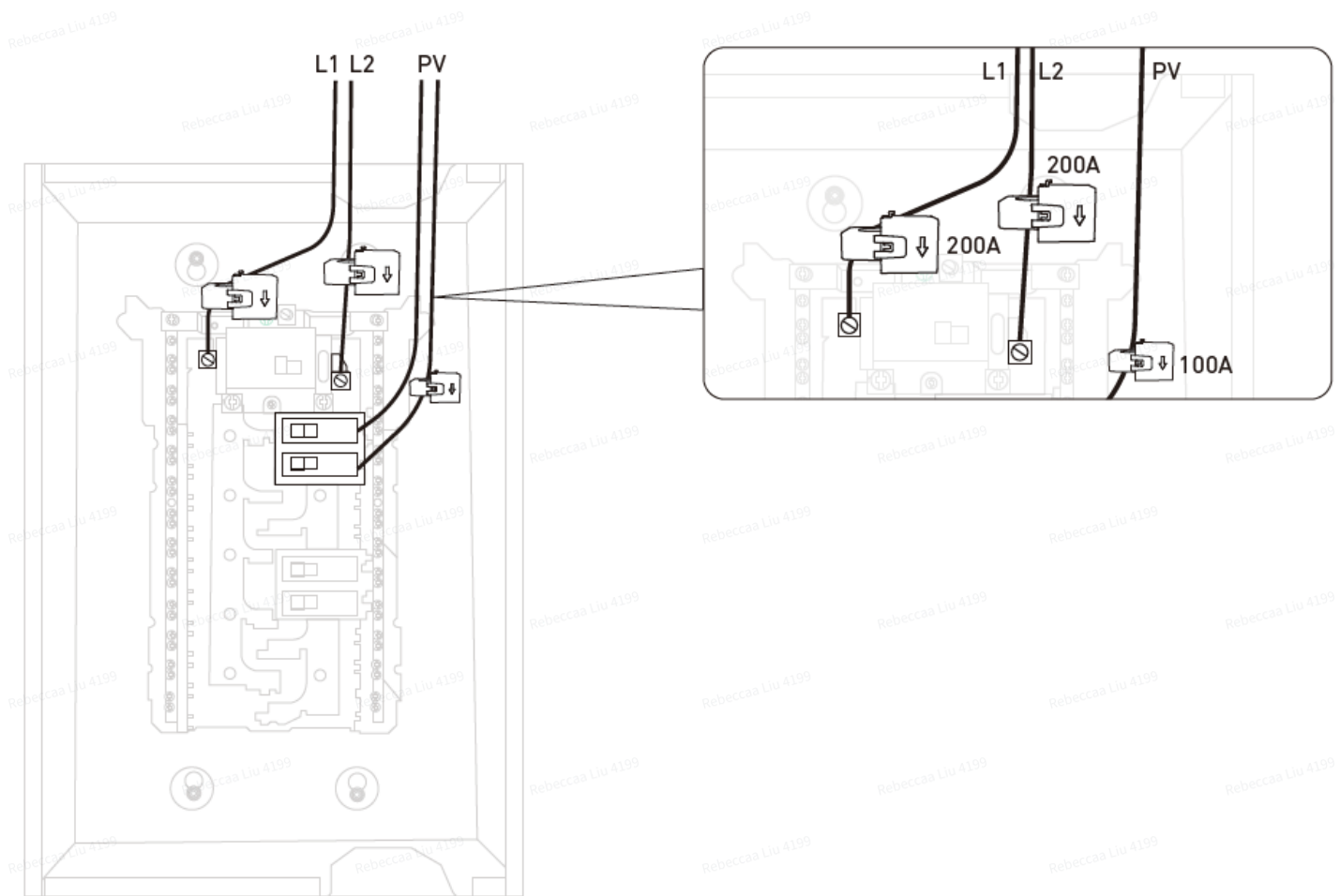


Connect Current Transformer

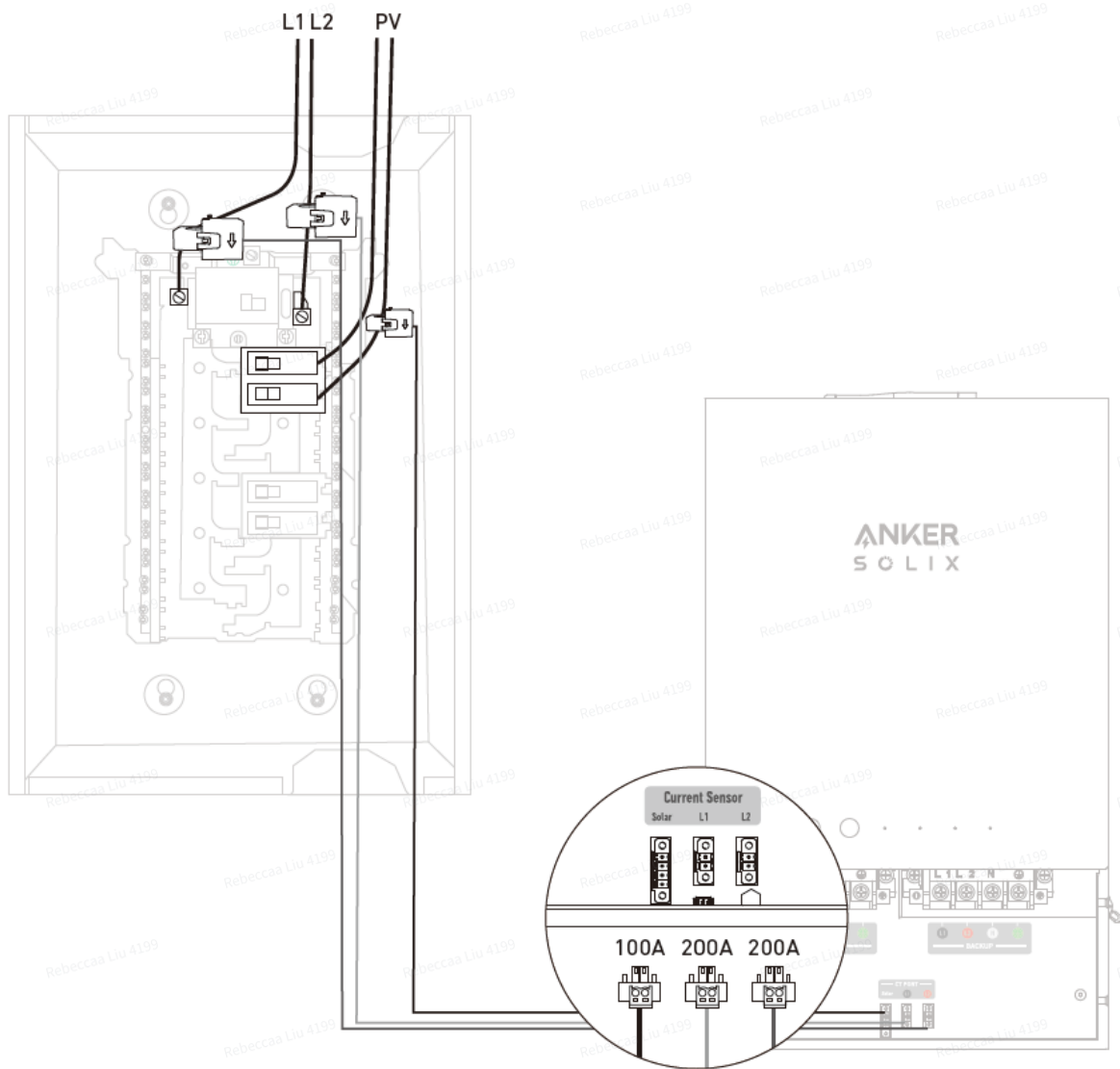


1. Open the 200A Current Transformers and snap them to L1 and L2 respectively. Orient the current transformers with the arrow pointing towards the power source.

*If a solar power system is connected to the Home Main Panel, the 100A current transformer can be clamped on the wire connected to the solar panel.

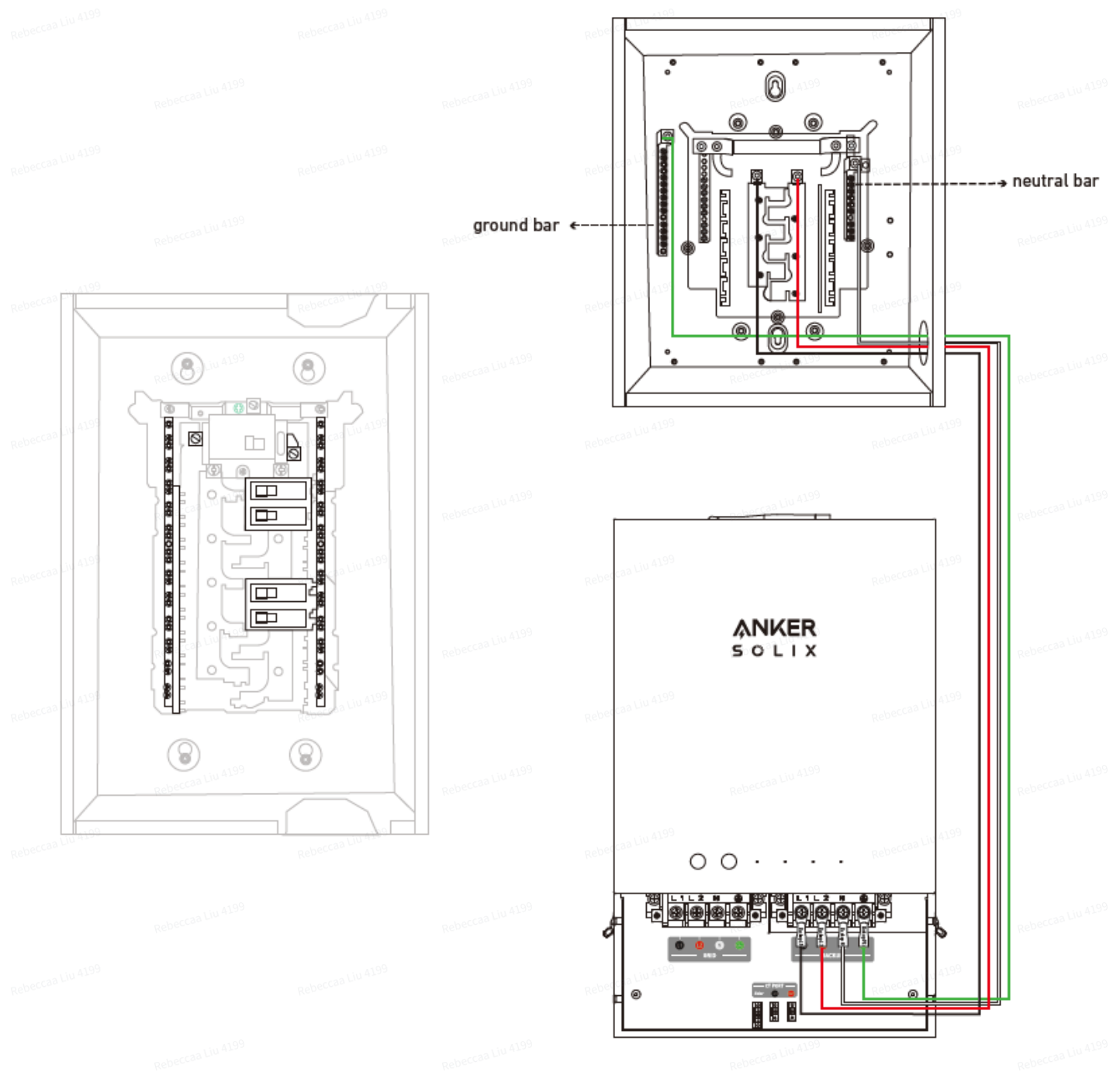


2. Insert the current transformers into the current sensor of Anker SOLIX Home Power Panel.
The cables of two 200A current transformers are connected to the connectors labeled L1 and L2, and the cable of the 100A current transformer is connected to the connector labeled Solar.

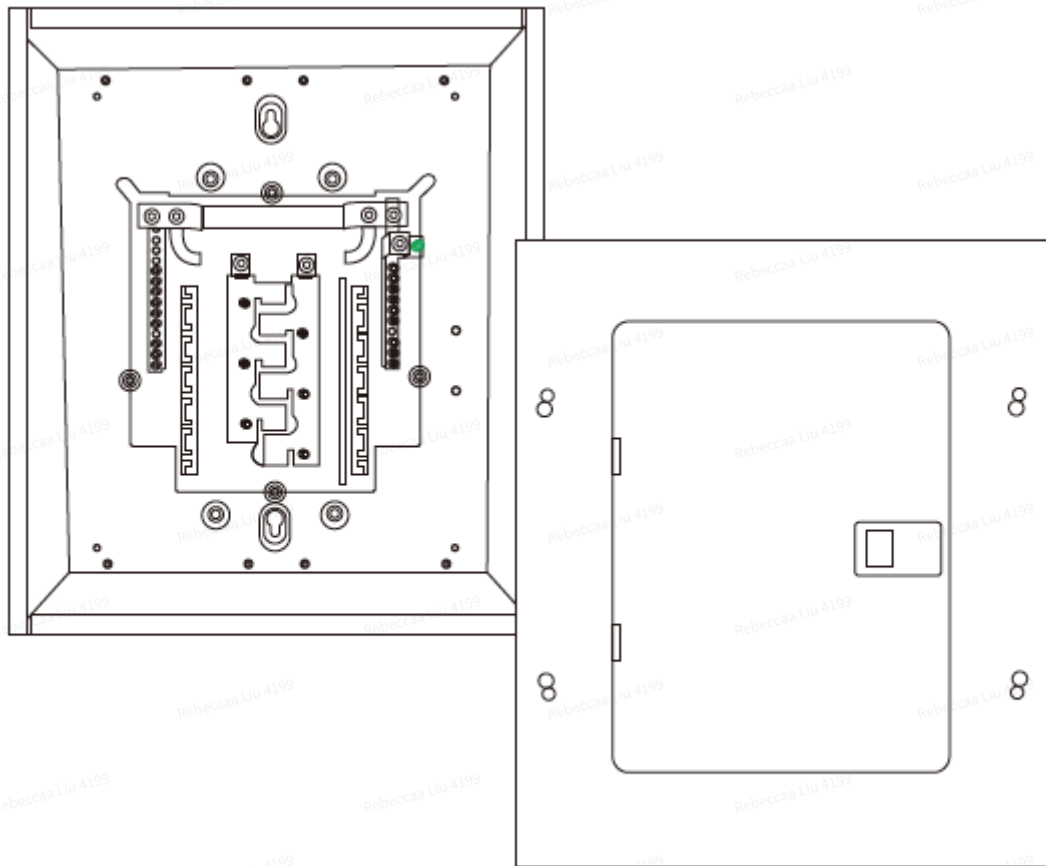


3. Complete internal wiring of Home Main Panel.

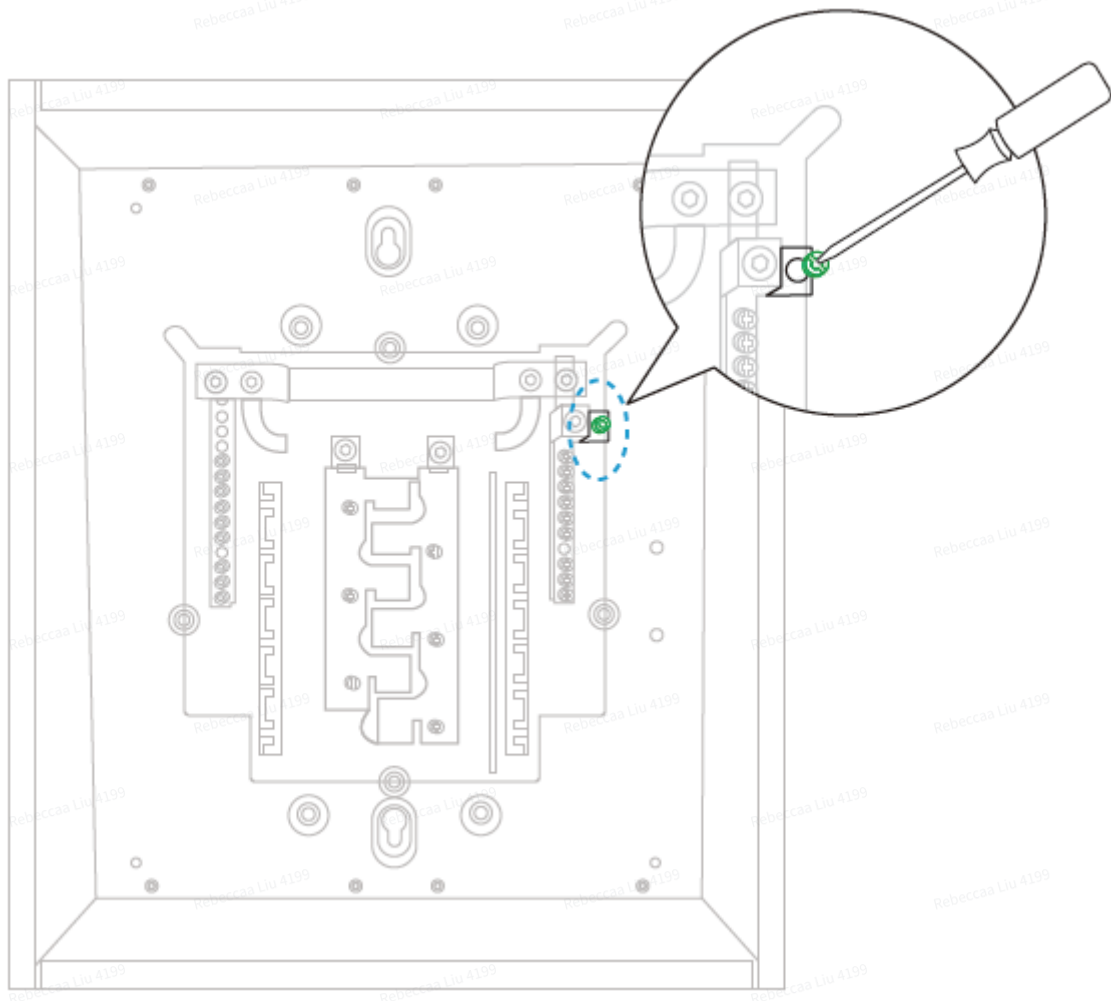
Connect Anker SOLIX Home Power Panel and 12-Circuit Backup Load Center



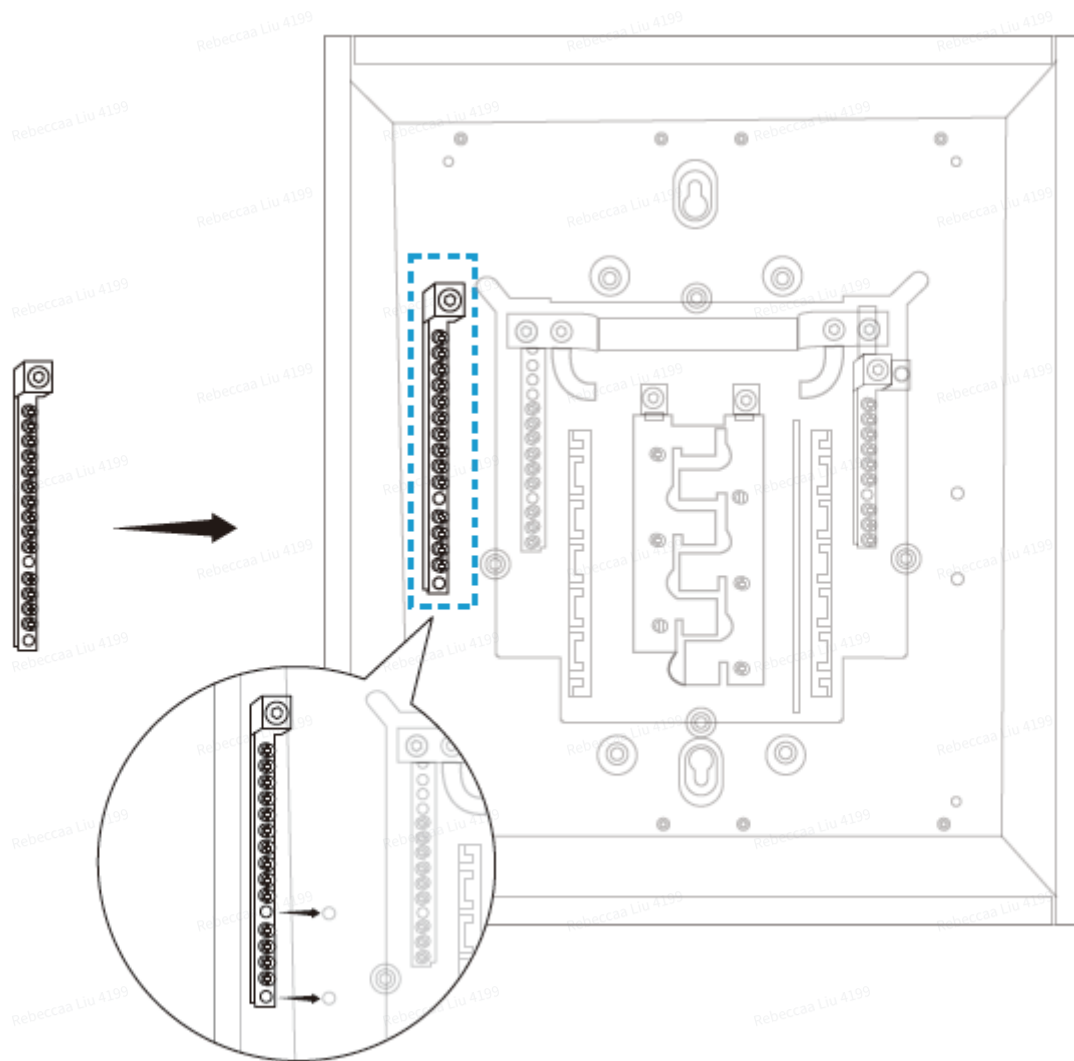
1. Remove the panel of 12-Circuit Backup Load Center.



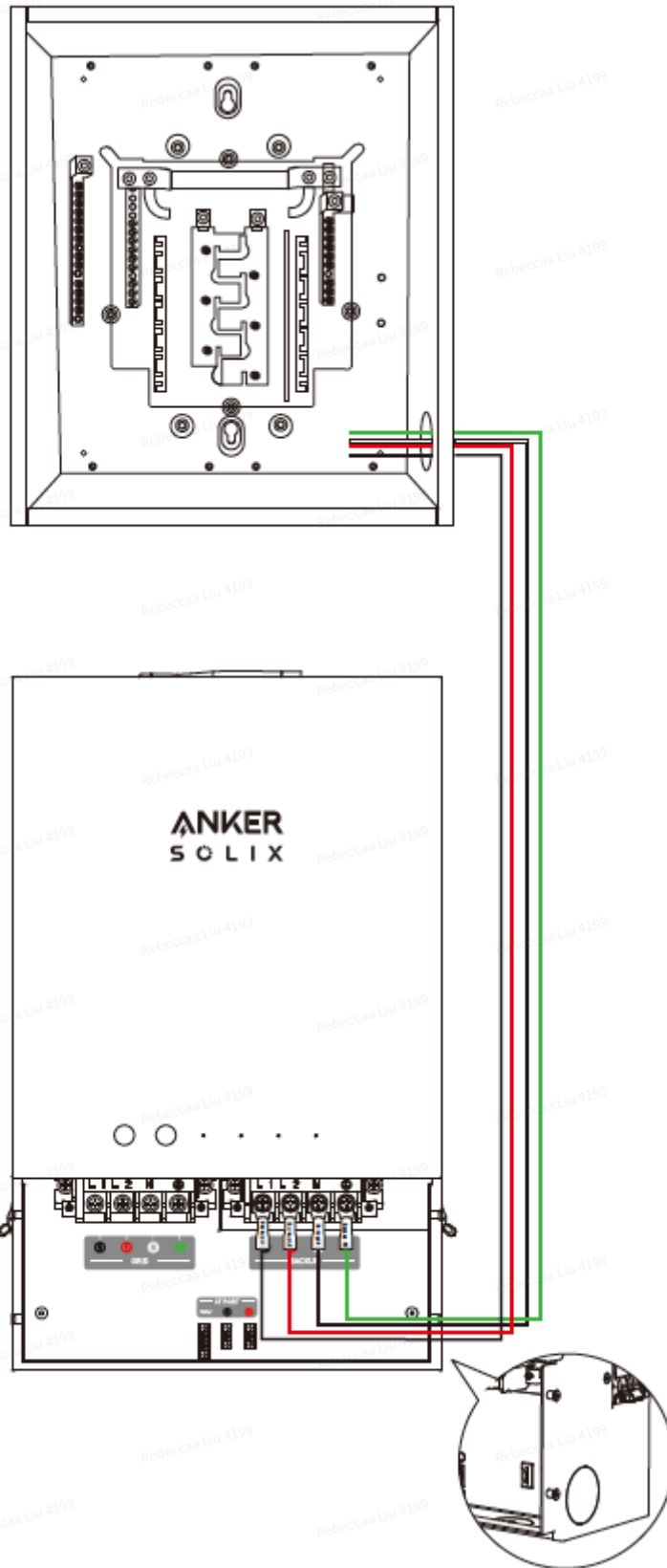
2. To ensure circuit safety, the green screw needs to be removed.



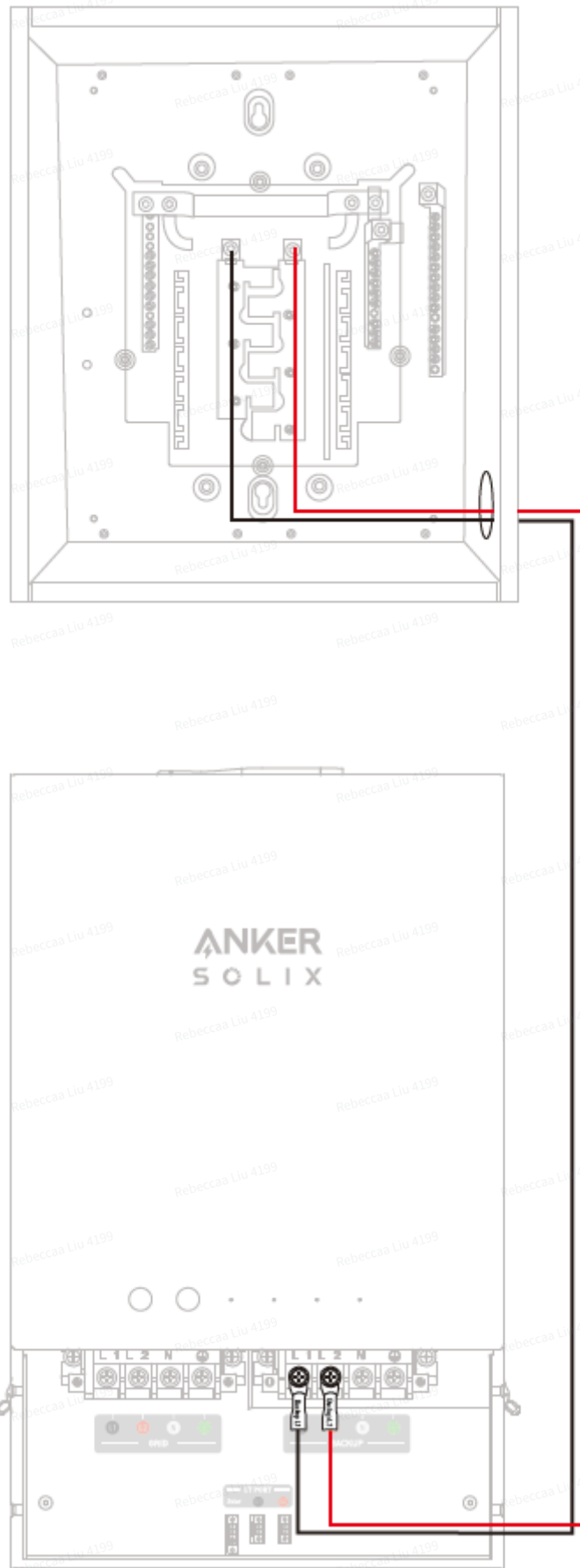
3. Install the ground bar kit into the 12-Circuit Backup Load Center.



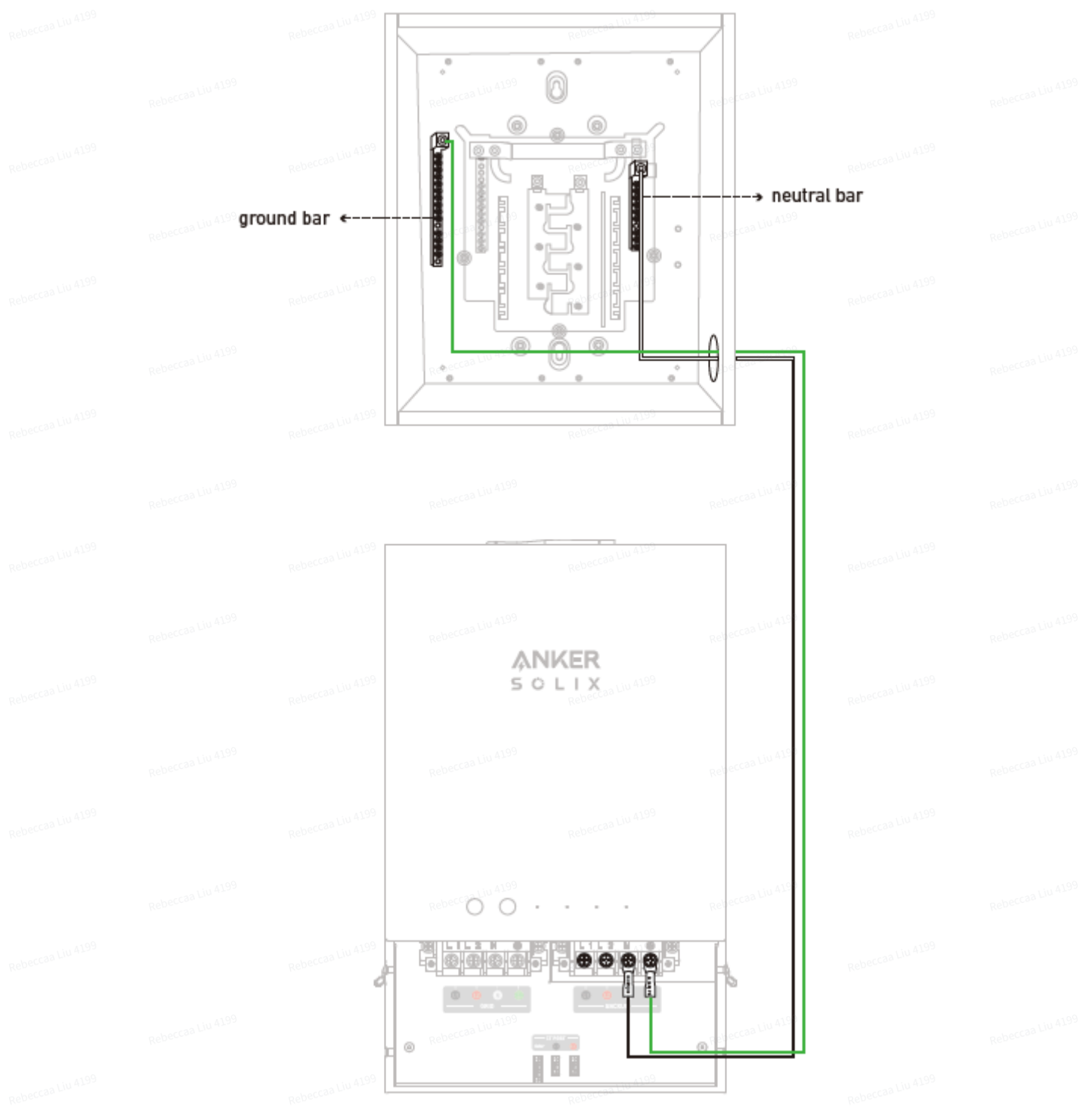
4. Run the 4 cables marked "Backup" through the right hole of Anker SOLIX Home Power Panel and thread them into hole in the bottom of the 12-Circuit Backup Load Center.



5. Connect 2 live wires to the connectors labeled L1 and L2 of the 12-Circuit Backup Load Center.



6. Loosen the wire screws, insert a neutral wire into the neutral bar and a ground wire into the ground bar.



7. Complete internal wiring of 12-Circuit Backup Load Center.

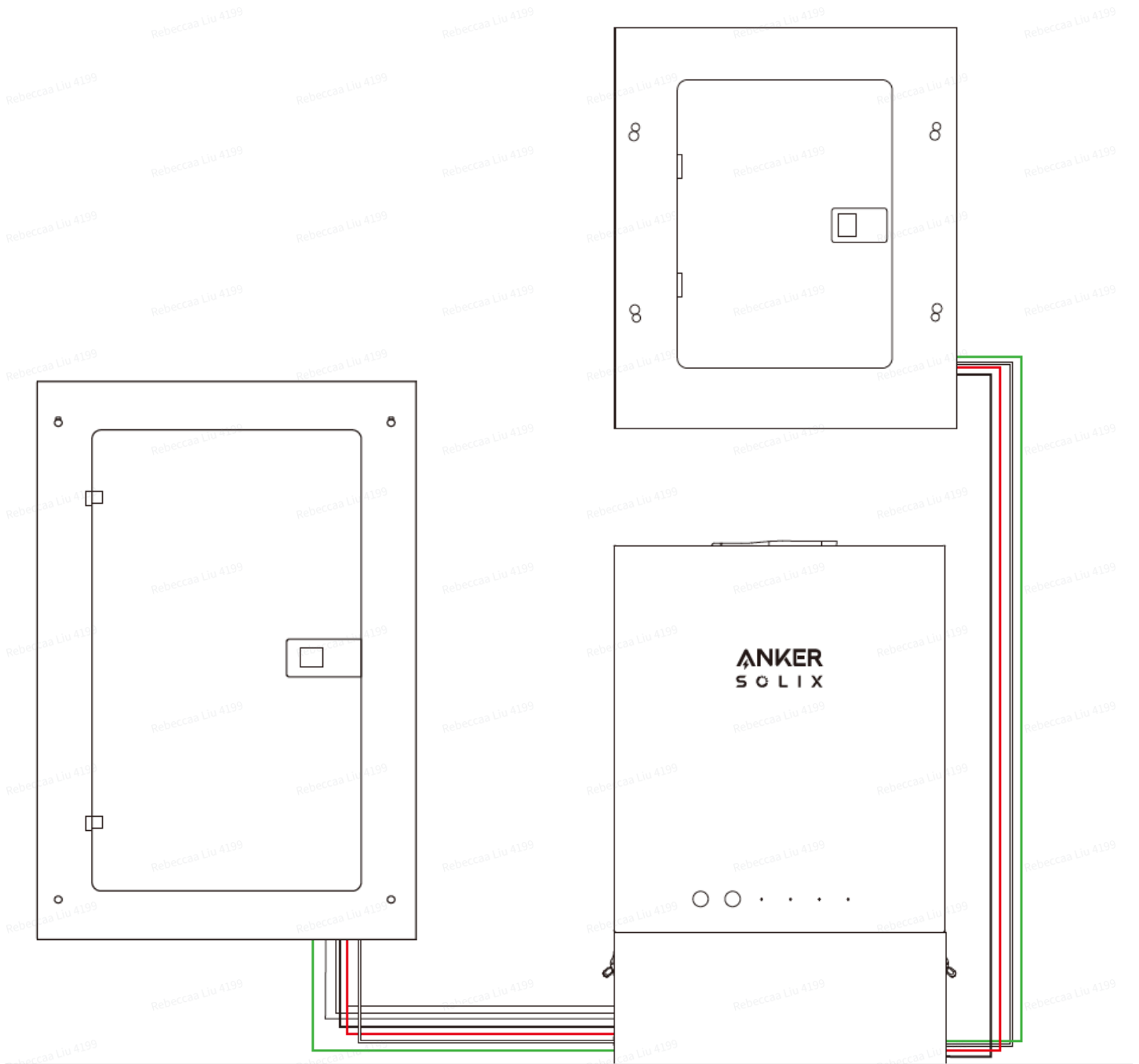
Complete Connections



- **To protect the wires and ensure electrical safety, users need to purchase and install waterproof conduits with appropriate wire lengths. Please follow the installation instructions for the conduit to prevent the wires from being exposed and to extend their lifespan.**

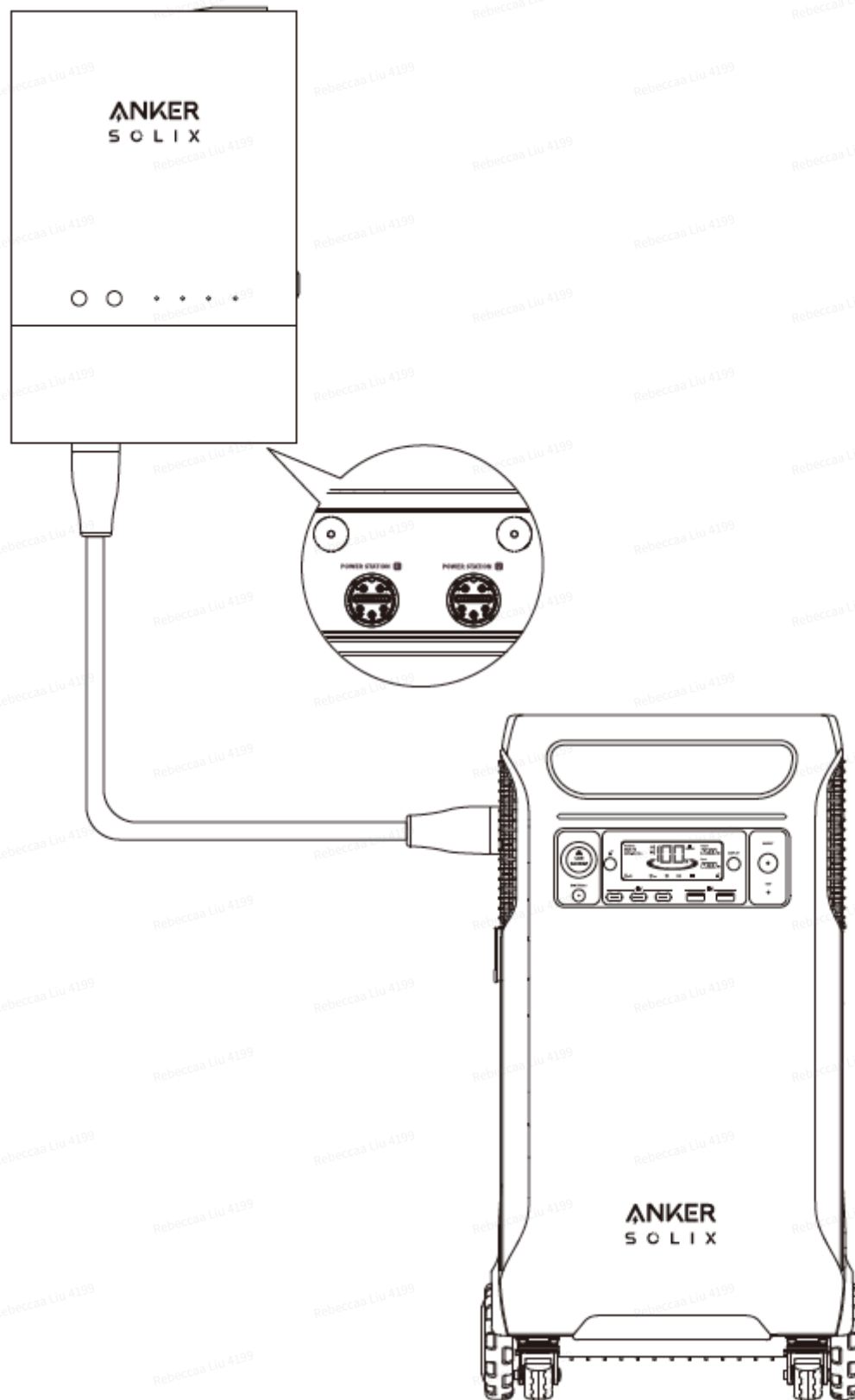
- When the Anker SOLIX Home Power Panel is connected to two Anker SOLIX F3800 Portable Power Stations and ready to be connected to expansion batteries, it is recommended that users connect an equal number of expansion batteries on each Anker SOLIX F3800 Portable Power Station to ensure connection stability and battery health.

1. Reinstall the panels of Anker SOLIX Home Power Panel, Home Main Panel and 12-Circuit Backup Load Center.



2. Connect the Anker SOLIX F3800 Power Station to the bottom ports of Anker SOLIX Home Power Panel with the F3800 to Home Power Panel Cable.

*Anker SOLIX Home Power Panel can be connected with 1 or 2 power stations.



3. To ensure clear communication signals, please extend the antenna of Anker SOLIX Home Power Panel.
4. Ensure that the Breaker 1 and Breaker 2 of Anker SOLIX Home Power Panel are turned on to ensure that Anker SOLIX Home Power Panel can operate properly.



5. Turn on the main panel and connect the mains power. Then turn on Anker SOLIX Home Power Panel to start using it.

System Commissioning and App Setup

1. Download Anker APP from App Store, Google App Store or Anker official website. Set up account and login.
2. To connect Anker SOLIX F3800 Portable Power Station to Anker SOLIX Home Power Panel, press the On/Off button.
3. Press IoT button to enable Bluetooth connection. When the indicator flashes, it is ready to pair with the Anker App.
4. Open Anker App, add a device via the "+" icon in the upper right corner, find Anker SOLIX Home Power Panel and tap the icon to pair. After Bluetooth connection, the system will prompt you to select Wi-Fi and enter the Wi-Fi password.
5. For first time users, the App will guide you to set up Anker SOLIX Home Power Panel. Simply follow the steps to complete the process. Once you have completed the setup process on App, you can start using the product.
6. After completing the wiring test, press the button for the connected Anker SOLIX F3800 Portable Power Station. At this time, the Power Station 1 Indicator and the Power Station 2 Indicator should turn white. Note any signs of abnormality and fault indications.

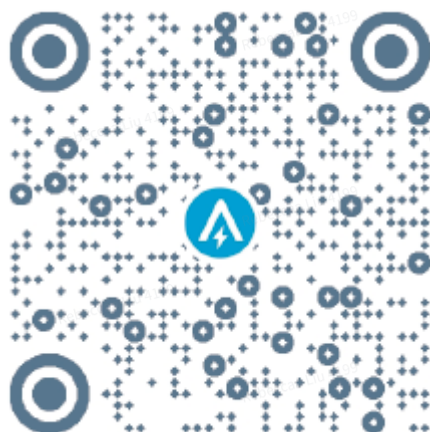
7. If there are any errors in the wiring test report, please follow the messages displayed on the App to resolve the problem, or contact our customer support from the Help Center in the App. As long as there are no electrical or other types of fault signs, it is safe to use the Anker SOLIX Home Power Panel. The default mode of Anker SOLIX Home Power Panel is grid-powered, so it will not affect your electricity consumption.
8. If there are no signs of error, you can start using the product.

! WARNING

1. Anker SOLIX Home Power Panel defaults to grid mode when there is no power, which means that if Anker SOLIX Home Power Panel is not supplied or started for the first time, the load will automatically connect to the grid for electricity.
2. Before turning off Anker SOLIX Home Power Panel, make sure that energizing the load circuits will not endanger anyone or cause any property damage.

The Anker App for Smart Control

You can remotely control your Anker SOLIX F3800 Portable Power Station and Anker SOLIX Home Power Panel using the Anker App. Please download the app by scanning this QR code or search Anker via App Store or Google Play. Connect the device to a network before using the app for the first time. After connecting successfully, you can connect your devices off-grid.



***To learn how to connect and use the APP, please scan the QR code to go to the online manual for further information.**

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS – This manual contains important instructions for A17B1.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Compliance Statement

This equipment complies with the FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

The following importer is the responsible party.

Company Name: Fantasia Trading LLC

Address: 5350 Ontario Mills Pkwy, Suite 100, Ontario, CA 91764

Telephone: +1-800-988-7973

Customer Service



US/CA: support@anker.com



US/CA: +1 (800)988 7973

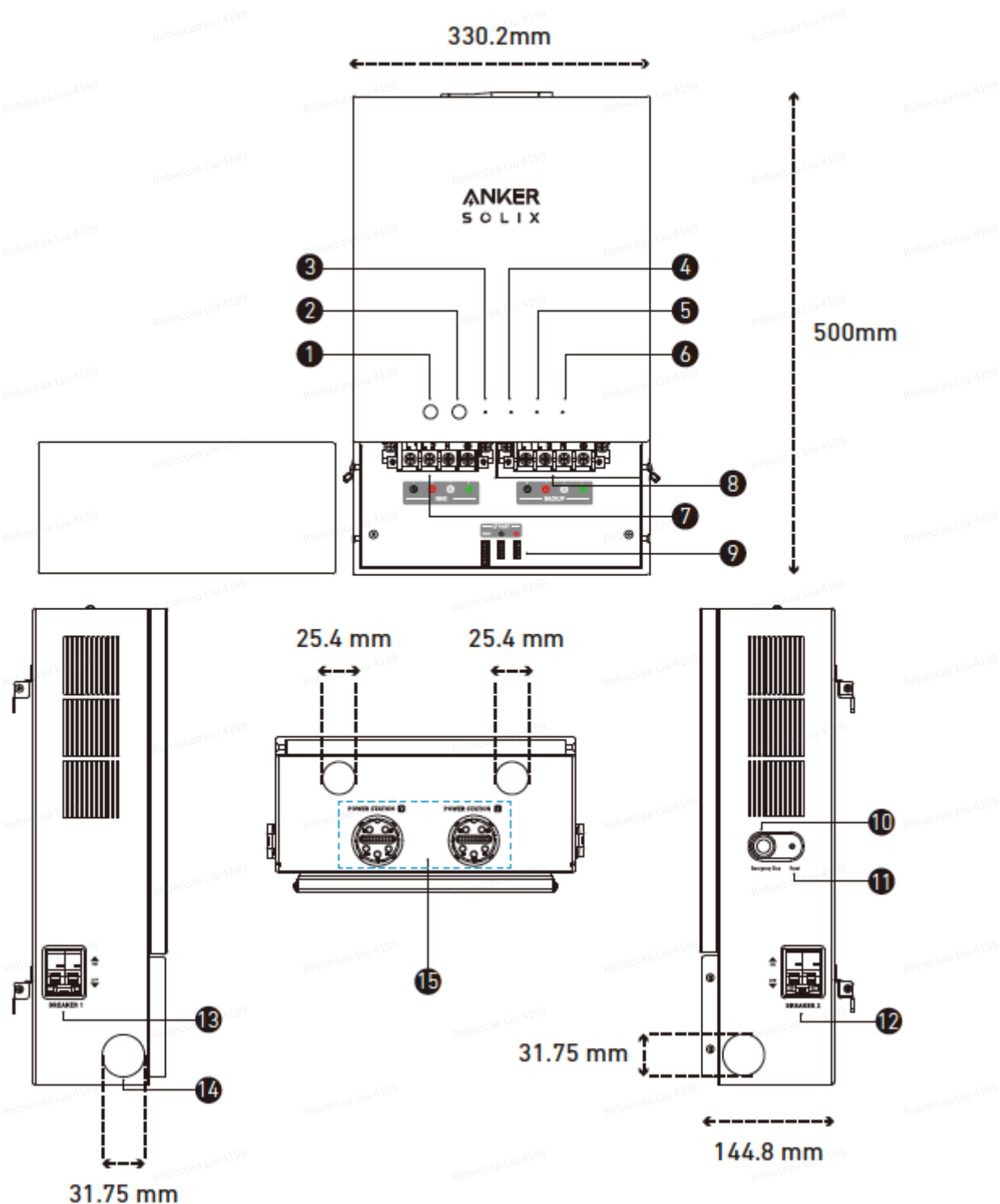
电子User Guide

OTA Upgrade

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2. Moreover, we suggest that you pay close attention to update prompts from the app. Once the app pushes a notification for an update, we encourage you to proceed with the manual upgrade immediately to ensure that your software is always up to date.
3. If you want to check whether there is the latest firmware version to be updated, you can go to the settings portal in the upper right corner of the [Home] page and click [Firmware Update] to check for version updates. If there is the latest firmware version, simply follow the on-screen instructions to complete the upgrade.

Components Overview

Anker SOLIX Home Power Panel



1. On/Off Button

Press the ON/OFF button for 2 seconds to turn on/off the home power panel.

Steady white indicator: The home power panel is working normally.

Indicator off: The home power panel is turned off.

White indicator flashing: There is a product malfunction.

2. IoT

This button can be used to turn on the bluetooth hostport for the user to connect.

Press the IoT button once to connect your device through the app. If the indicator is flashing white, it indicates that the network is being configured. If the light turns steady white, it means the network configuration is successful. If the light goes out, it means the network configuration has failed.

Press the IoT button for 2 seconds to turn off Bluetooth and Wi-Fi.

Press the IoT button for 7 seconds to reset Bluetooth and Wi-Fi, and the indicator is flashing white.

3. Grid Indicator

The indicator is steady white when the Anker SOLIX Home Power Panel gets power from the grid.

4. Power Station 1 Indicator

5. Power Station 2 Indicator

The indicators are steady white when the power station is connected with the home power panel successfully.

The indicators are flashing white when there is a malfunction with the device connection.

The indicators are off when the power station is not connected with the home power panel.

6. Backup Load Indicator

The indicator is on when the home power panel is supplying power to the home loads.

7. Grid Wiring Area

8. Backup Wiring Area

9. Current Sensor

It can be used to connect the cables of current transformers.

10. Emergency Stop

It can be manually or automatically turned on (under overload or short-circuit conditions) to interrupt the current of the entire system, preventing further damage to the circuit.

11. Reset

Inserting into this hole can reset the device to factory settings.

12. Breaker 2

It can be manually or automatically turned on (under overload or short circuit conditions) to interrupt the current of Power station 2, preventing further damage to the circuit.

13. Breaker 1

It can be manually or automatically turned on (under overload or short circuit conditions) to interrupt the current of Power station 1, preventing further damage to the circuit.

14. Wiring Hole

The diameter of the side wiring hole is 1.73in / 43.94mm.

The diameter of the bottom wiring hole is 1.33in / 33.78mm.



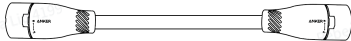
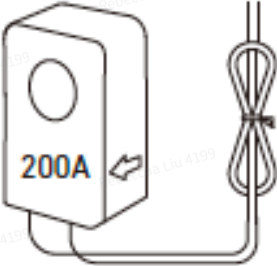


15. Power Station Ports


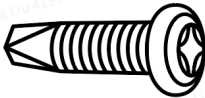
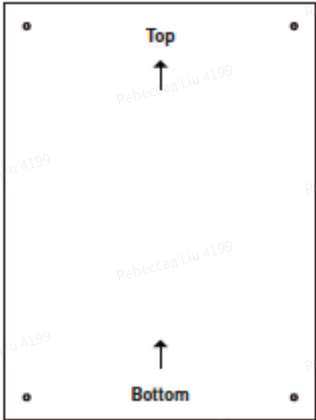
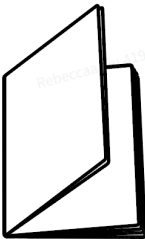
The ports can be used to connect the power station and the home power panel.

16. Antenna

💡 If the device is in OTA upgrade status, four indicators run from right to left except the On/Off button.

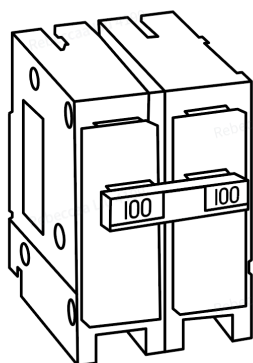
Accessories for Anker SOLIX Home Power Panel

 <p>A17B1 Backplate Bracket 1 (x2)</p>	 <p>A17B1 Backplate Bracket 2 (x2)</p>	 <p>F3800 to Home Power Panel Cable (1.5m) (x1)</p>
 <p>200A Current Transformer</p>	 <p>100A Current Transformer</p>	 <p>M6*60 Expansion Bolt (for fixing backplate bracket 2 to the concrete wall)</p>

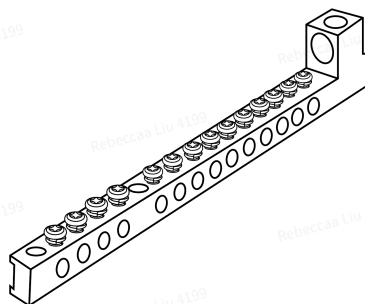
 <p>M4*10 Cross Recessed Countersunk Screw (4 screws for side fixing of backplate bracket 2)</p> <p>(x10)</p>	 <p>M6*50 Hexagonal Self-tapping Screw (for fixing A17B1 backplate bracket 2 to the wooden wall and fixing A17B4)</p> <p>(4)</p>	<p>(x4)</p>  <p>Positioning Card</p>
 <p>Installation Manual</p>		

Accessories for 12-Circuit Backup Load Center

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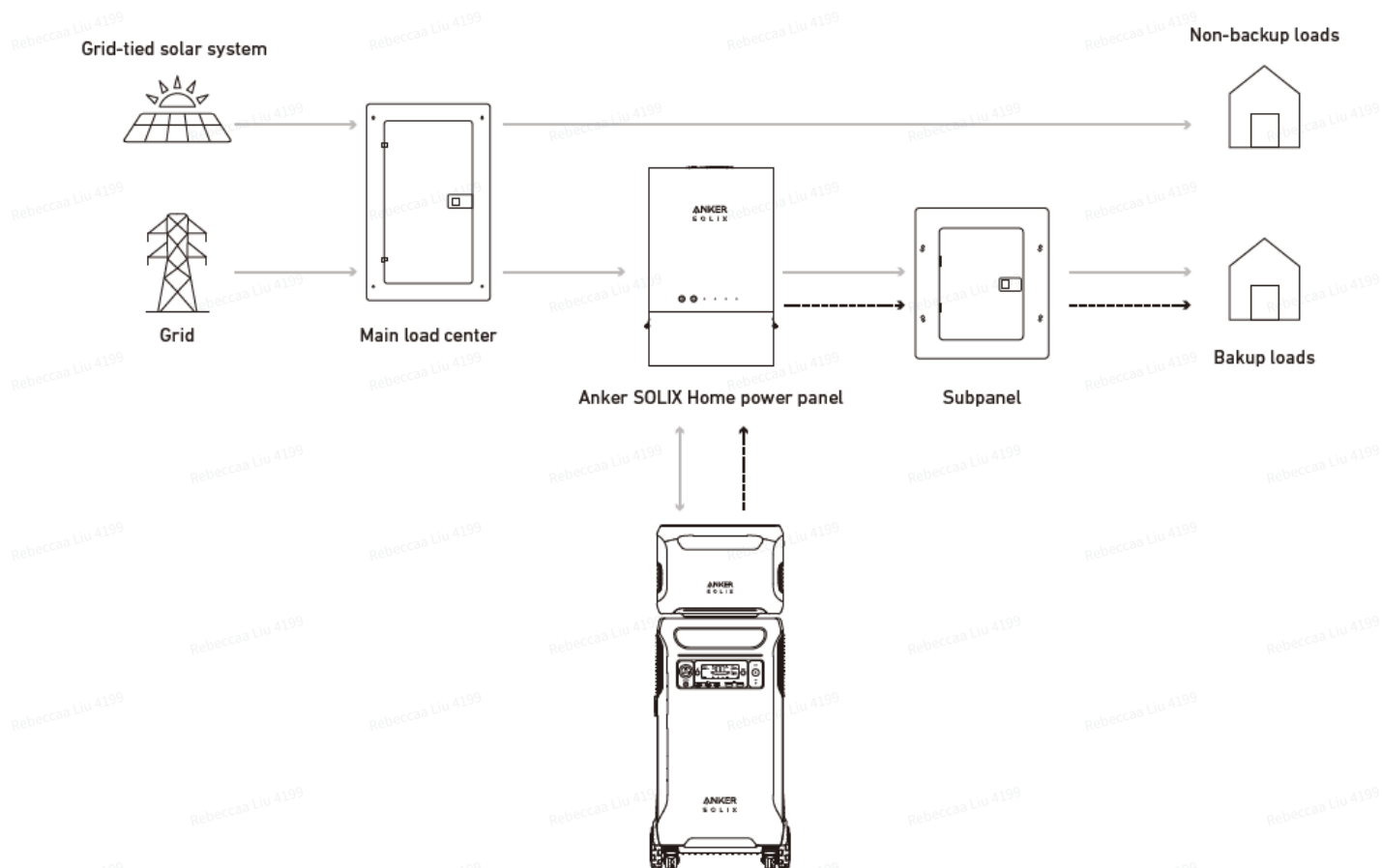
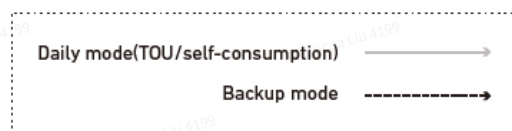


100A Circuit Breaker
(x1)



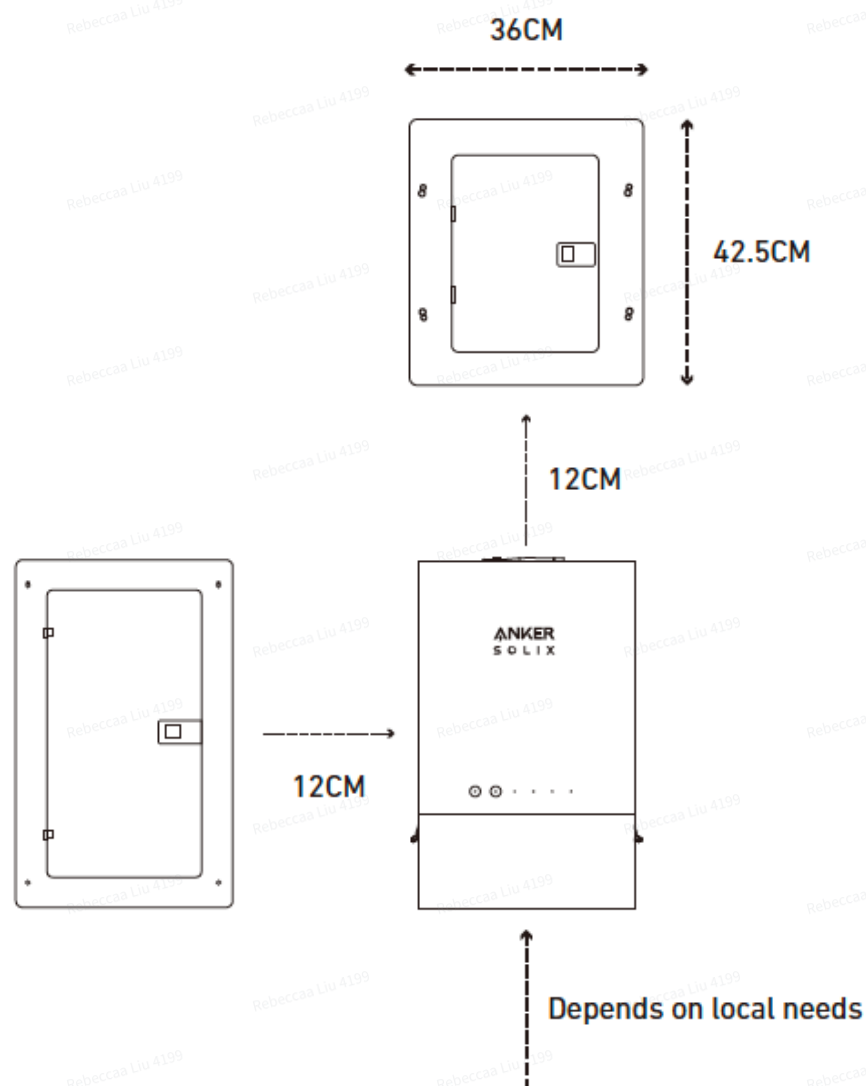
12-Circuit Backup Load Center Ground
Bar Kit
(x1)

System Overview



Pre-Installation

1. Confirm whether your residence has installed the Home Main Panel and whether the main control panel is located indoors. Because the Anker SOLIX Home Power Panel is designed for indoor use, the location of the Home Main Panel plays a key role in the installation and use of the system. **Make sure the product is installed in a dry and ventilated location.**
2. Check for enough space near the Home Main Panel to install the system components. You can refer to the illustration below to understand the specific installation distance requirements. This step is very important because appropriate installation space can ensure the normal operation of the system and improve the safety of the system.
3. Location: Anker SOLIX Home Power Panel should be 5in / 127mm from the Home Main Panel and align with or be lower than its bottom for safety. The 12-Circuit Backup Load Center should be 5in / 127mm above the Anker SOLIX Home Power Panel. Make sure to note the dimensions and spacing in the installation diagram.

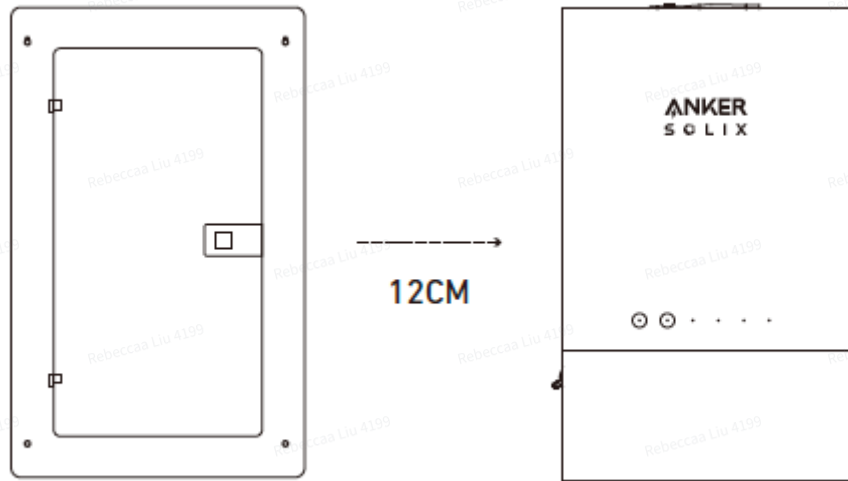


4. If the Home Main Panel isn't indoors or lack space, arrange for a suitable power cable.
5. Keep a clear space of three feet in front of the Home Main Panel for workspace.

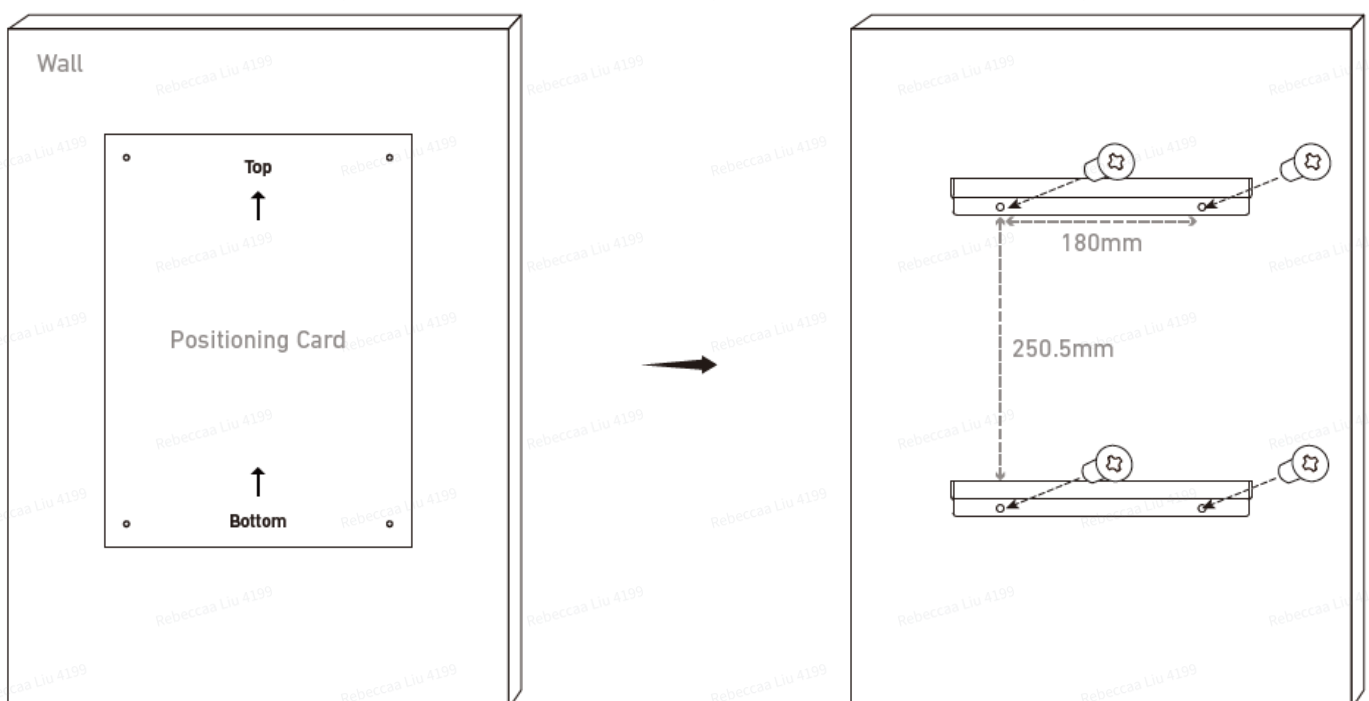
Installation

Install the Anker SOLIX Home Power Panel

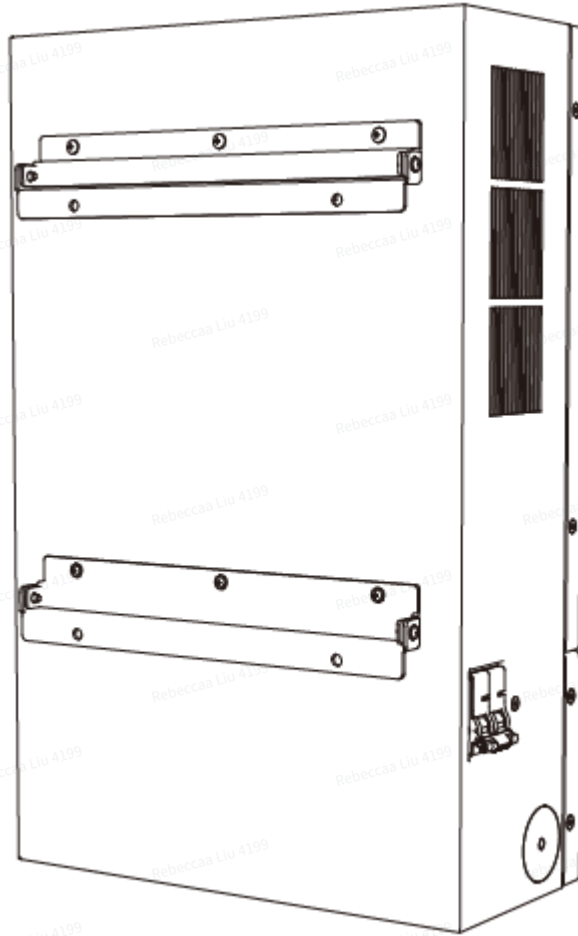
1. Reserve at least 5 in / 127mm of space next to the Home Main Panel and mark the position of the Anker SOLIX Home Power Panel on the wall.



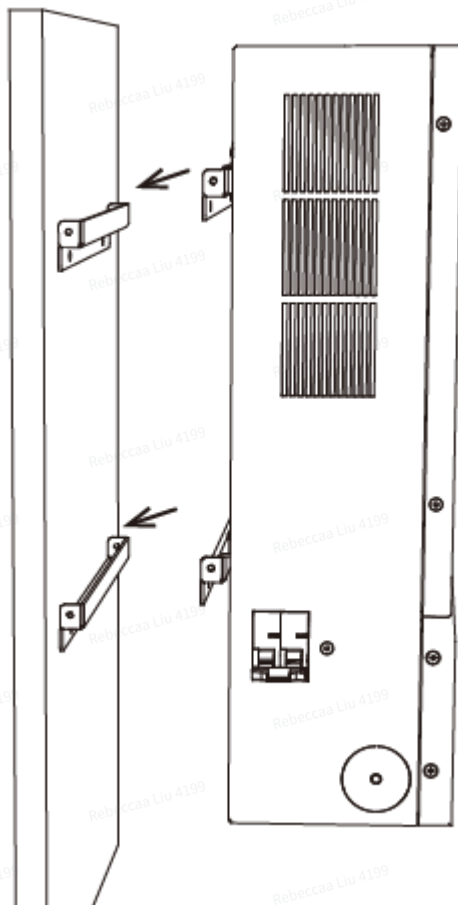
2. Install the mounting bar on the wall using 4 screws with the positioning card provided. (The distance between the two screw holes up and down is 250.5mm, and the distance between the two screw holes left and right is 180mm.) Then tighten all the screws with 5N*m torque.



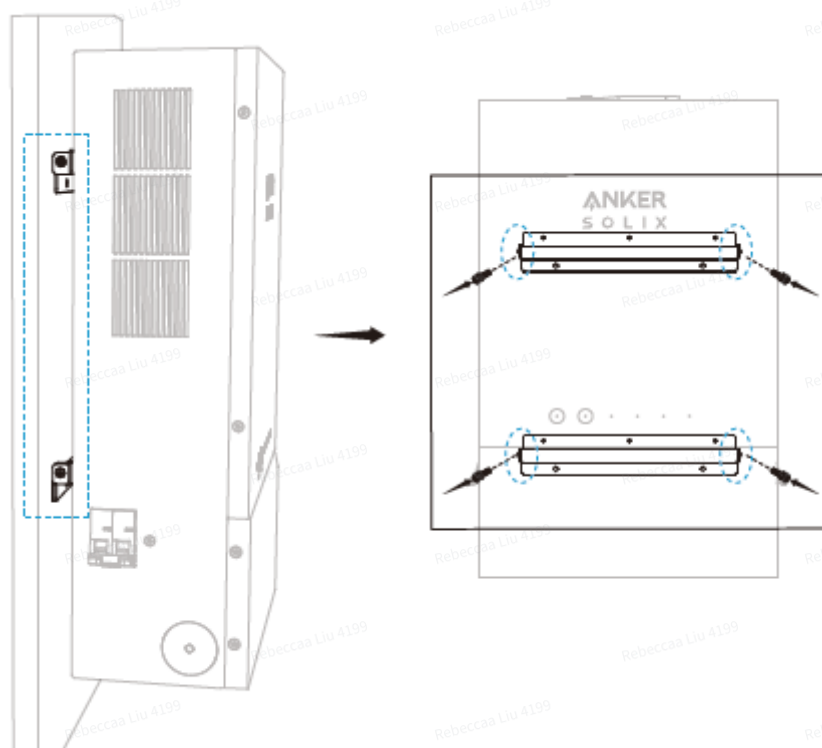
3. Install the mounting bar on the back of the Anker SOLIX Home Power Panel. Tighten all the screws with 1.6N*m torque.



4. Engage the mounting bar on the back of the Anker SOLIX Home Power Panel with the mounting bar on the wall.



5. Lock the mounting bar from the side, you need to install 4 screws with 1.6N*m torque.



Install the 12-Circuit Backup Load Center

Open the 12-Circuit Backup Load Center, align the casing's screws with the holes, and secure them to the wall with 5N*m torque.

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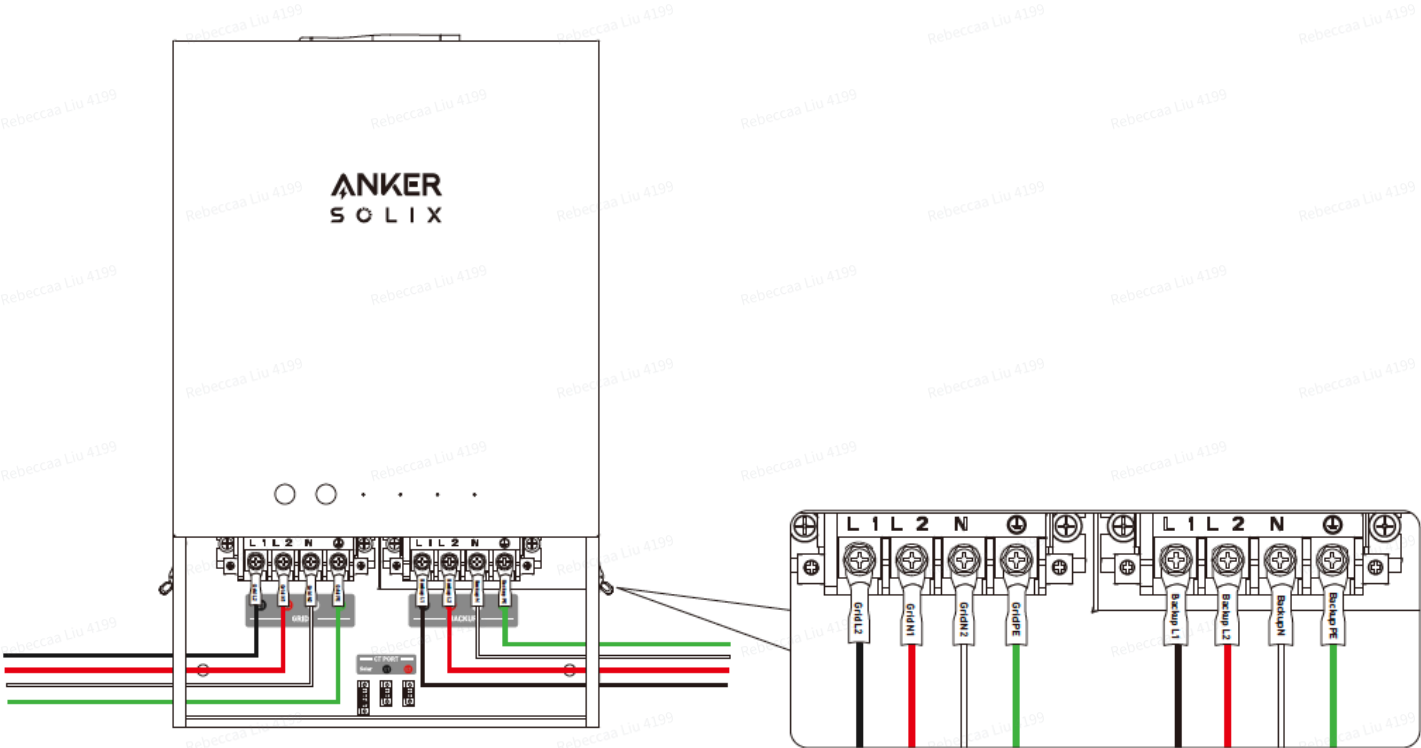
Electrical Connections

	Cable		Color	Current	Gauge	Material
Single F3800 System	Grid	L1	Black	50A Max	6AWG	Copper
		L2	Red		6AWG	
		N	White		6AWG	
		PE	Green and yellow		12 AWG	
	Backup	L1	Black	25A Max	12 AWG	
		L2	Red		12 AWG	
		N	White		12 AWG	
		PE	Green and yellow		12 AWG	
Parallel F3800s System	Grid	L1	Black	75A Max	3 AWG	
		L2	Red		3 AWG	
		N	White		3 AWG	
		PE	Green and yellow		8 AWG	

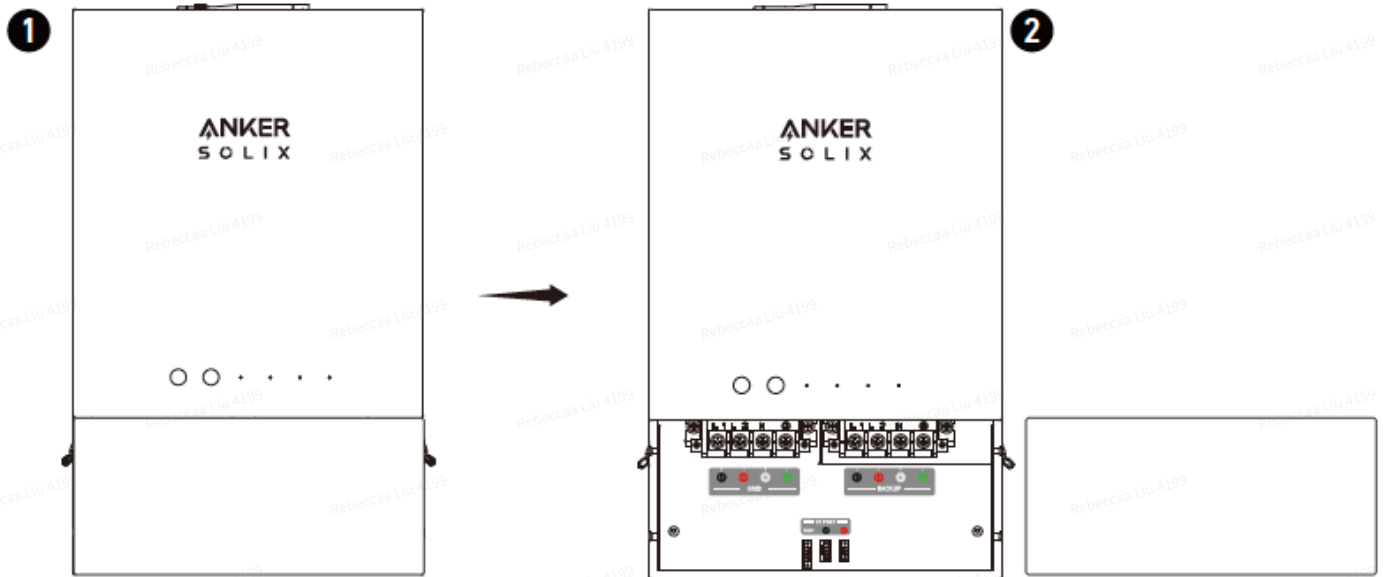
Backup	L1	Black	50A Max	6AWG
	L2	Red		6AWG
	N	White		6AWG
	PE	Green and yellow		12 AWG

*The cables are not included in this package. Please purchase appropriate cables based on the Current, Gauge, and Material specifications provided in the table.

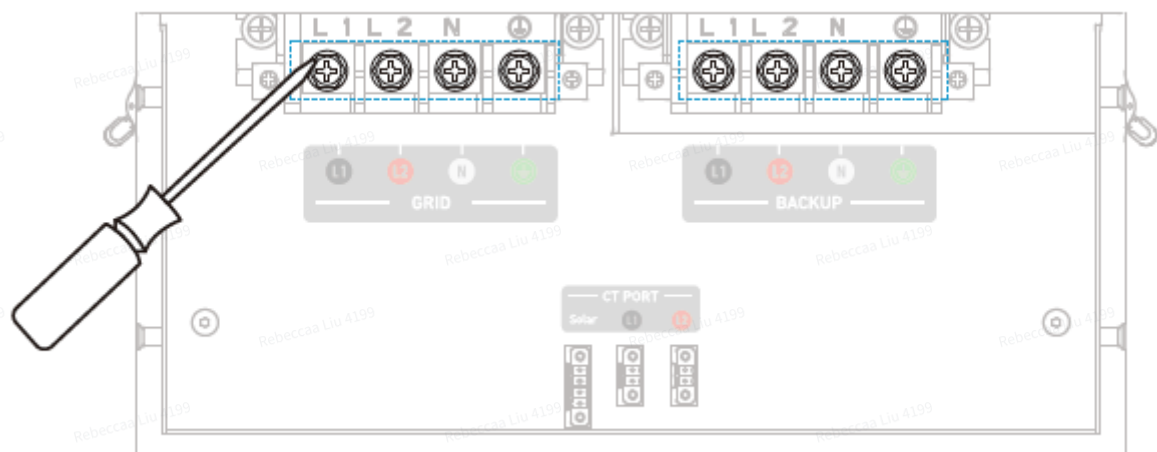
Anker SOLIX Home Power Panel Wiring



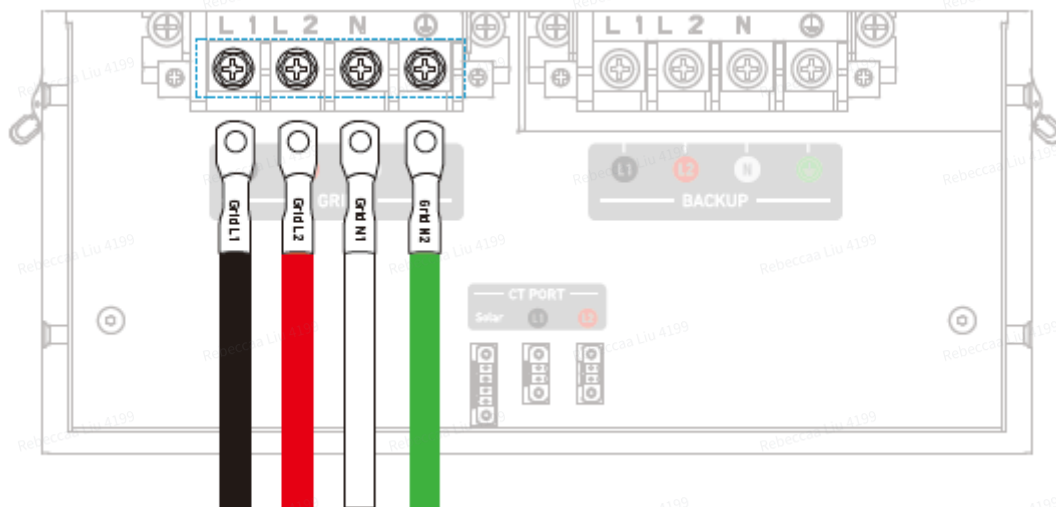
1. Remove the panel from the wiring area beneath the Anker SOLIX Home Power Panel.



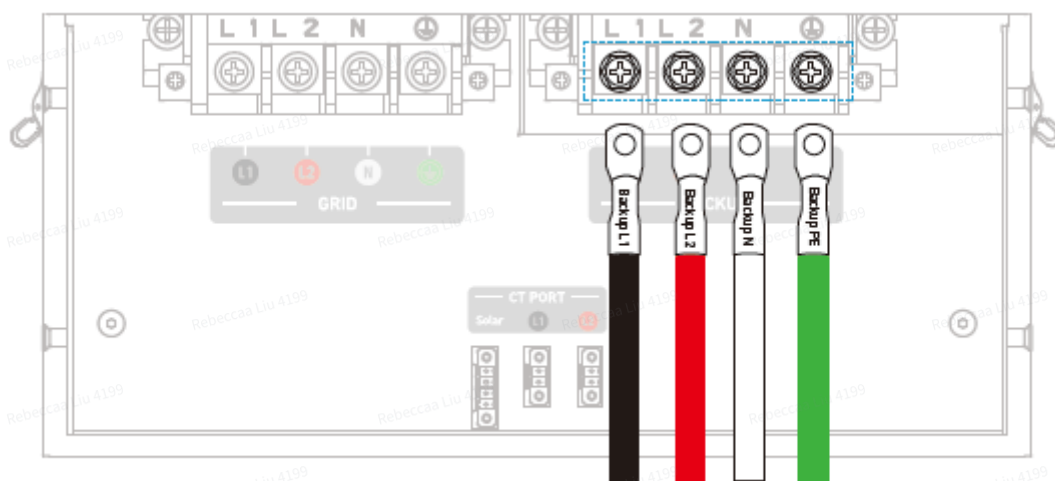
2. Use a screwdriver to unscrew the grid wiring connectors and backup wiring connectors with 5N*m torque.



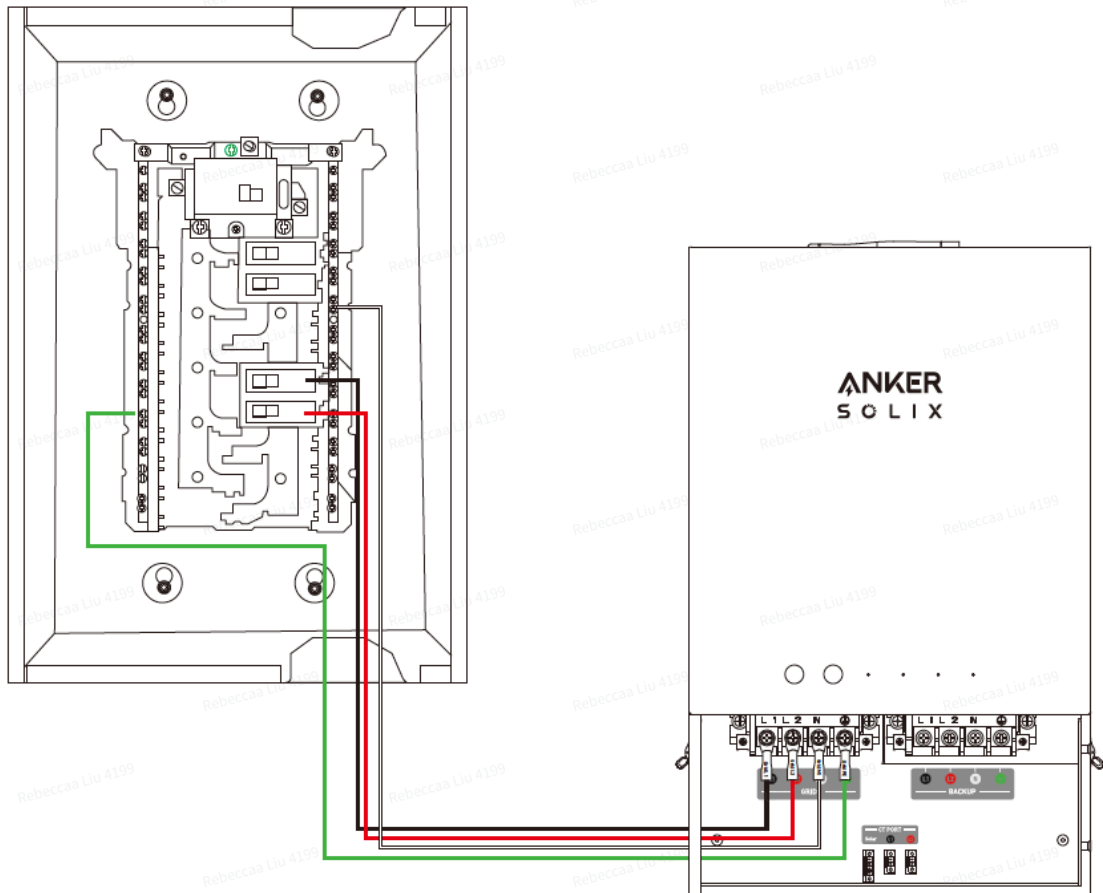
3. Connect 4 cables labeled Grid to the grid wiring connectors with 5N*m torque. From left to right, they are: L1 / L2 / N / PE.



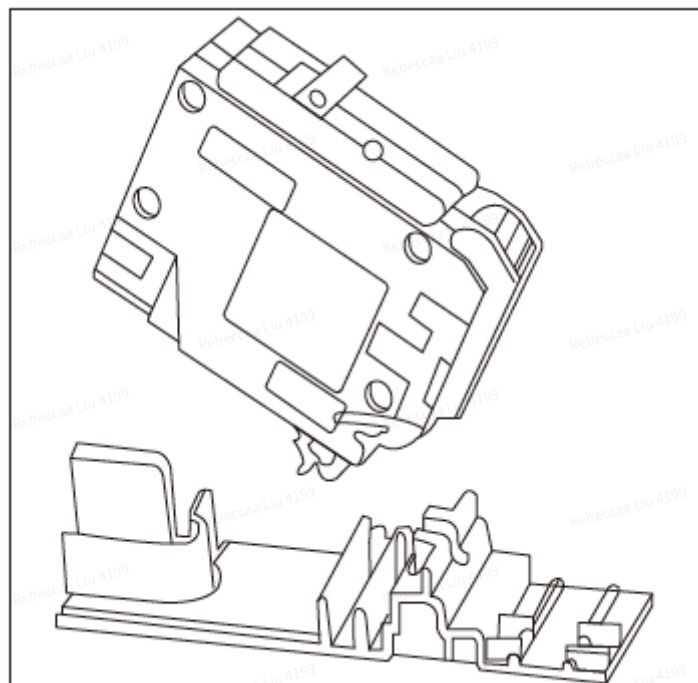
4. Connect 4 cables labeled Backup to the backup wiring connectors with 5N*m torque. From left to right, they are: L1 / L2 / N / PE.



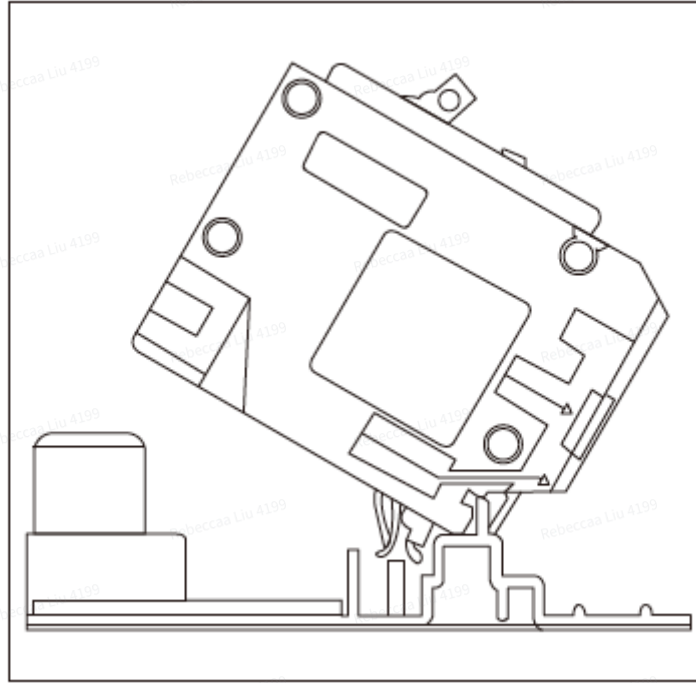
Connect Anker SOLIX Home Power Panel and Home Main Panel



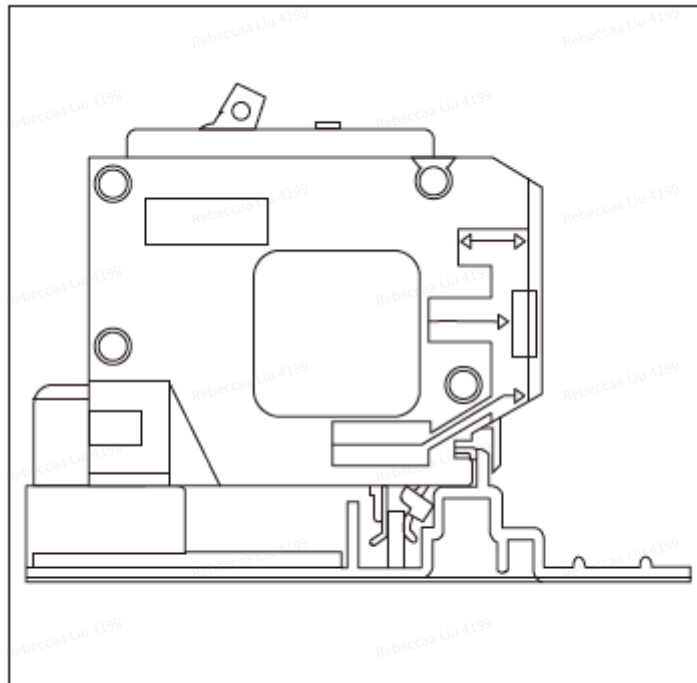
1. The installation personnel need to wear insulating gloves, safety glasses, and rubber-soled shoes. Turn off the Home Main Panel and remove its wiring compartment cover.
2. Take out the 100A Circuit Breaker from the package and connect it to L1 and L2 on the Home Main Panel.
 - ① Align the breaker "FIN" with the Home Main Panel "SLOT".



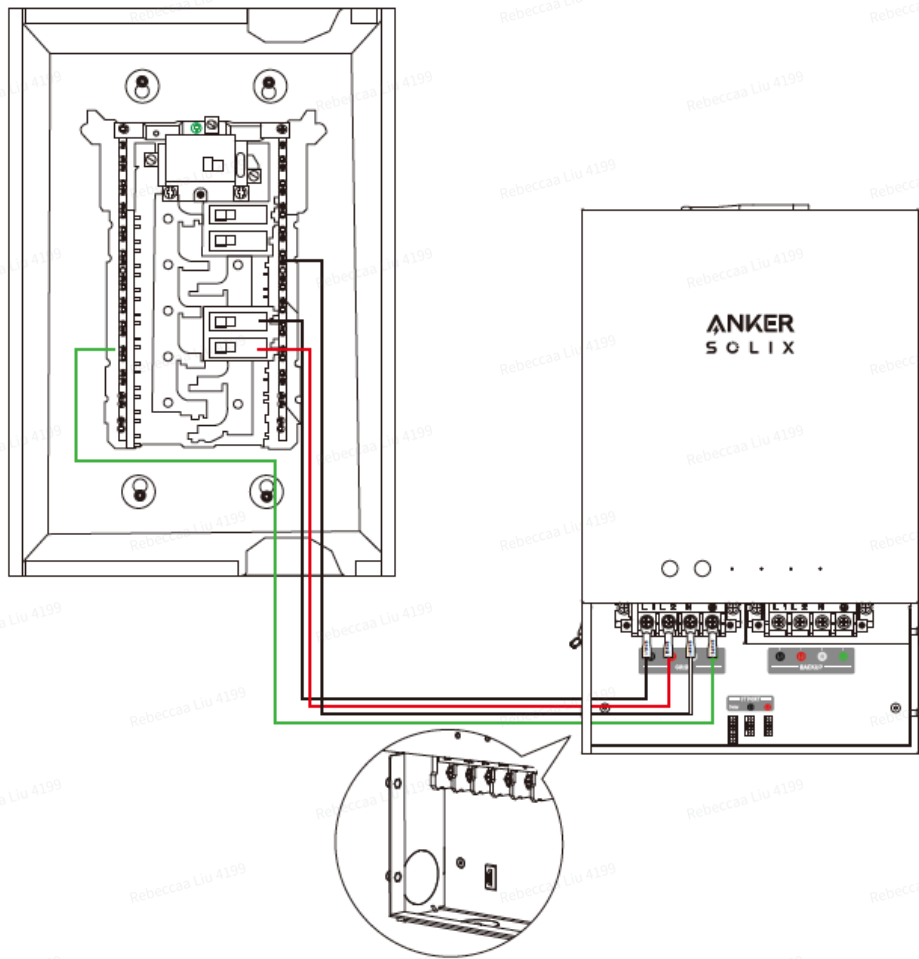
② Rock the breaker back ~45° and insert "FOOT" into backpan.



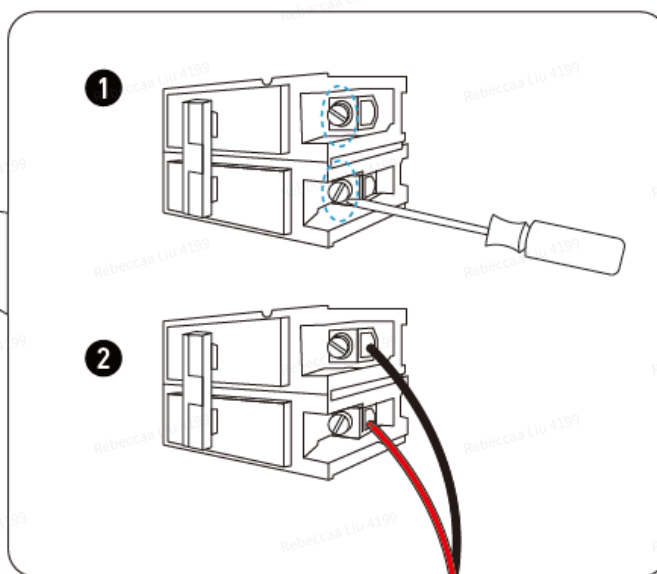
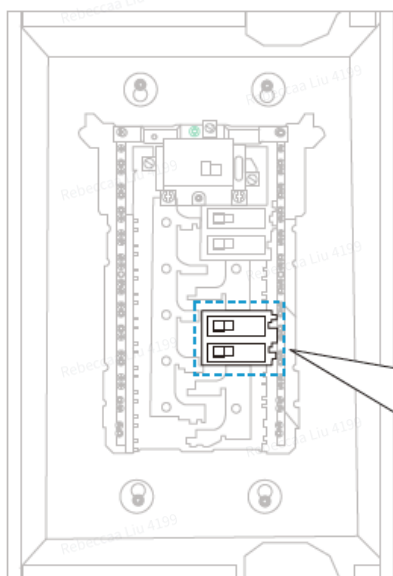
③ While pulling the breaker towards the backpan slot, rotate down to lock into place.



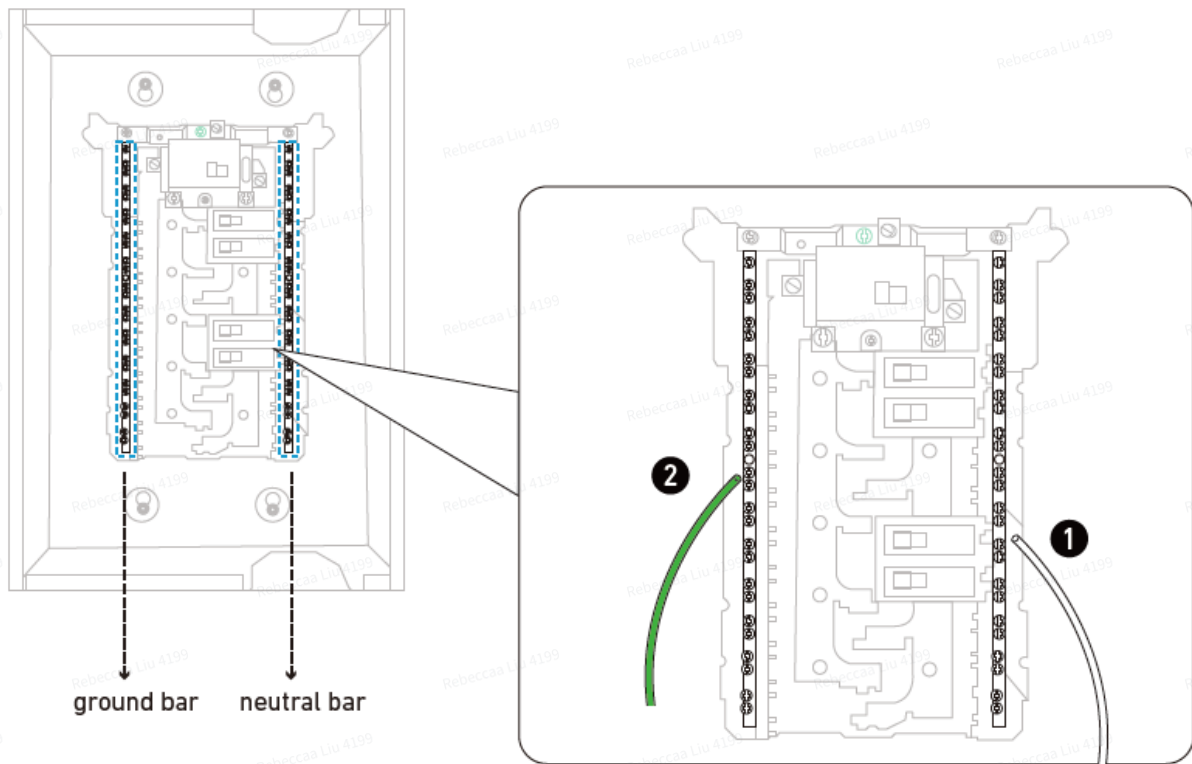
3. Run the 4 cables marked "Grid" through the left hole of Anker SOLIX Home Power Panel and thread them into hole in the bottom of the Home Main Panel.



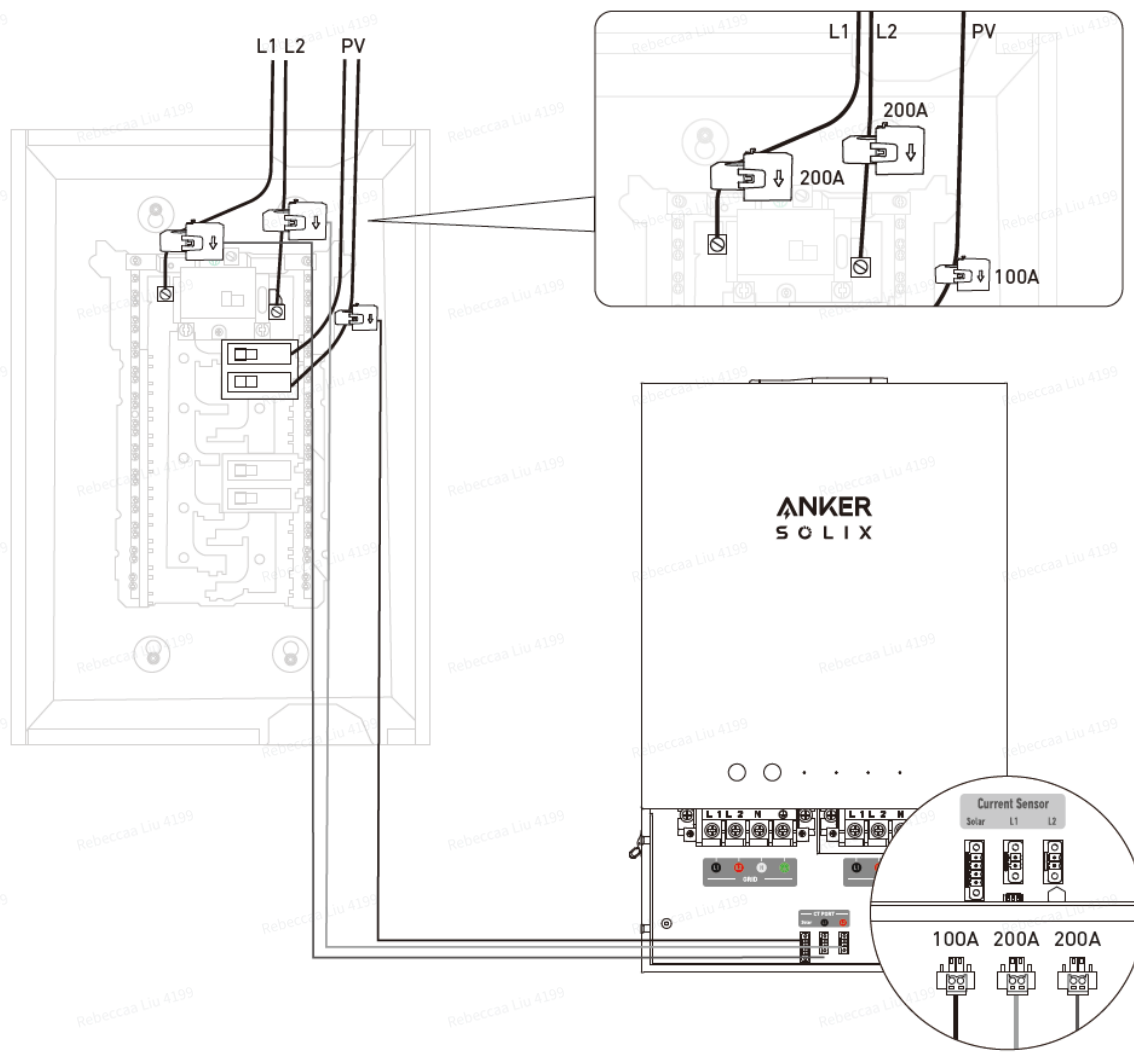
4. Loosen the wire screws, and insert 2 live wires into the 100A Circuit Breaker.



5. Loosen the wire screws, insert 1 neutral wires and 1 ground wire into the unused openings on the neutral bar and ground bar respectively. Then tighten the screws.

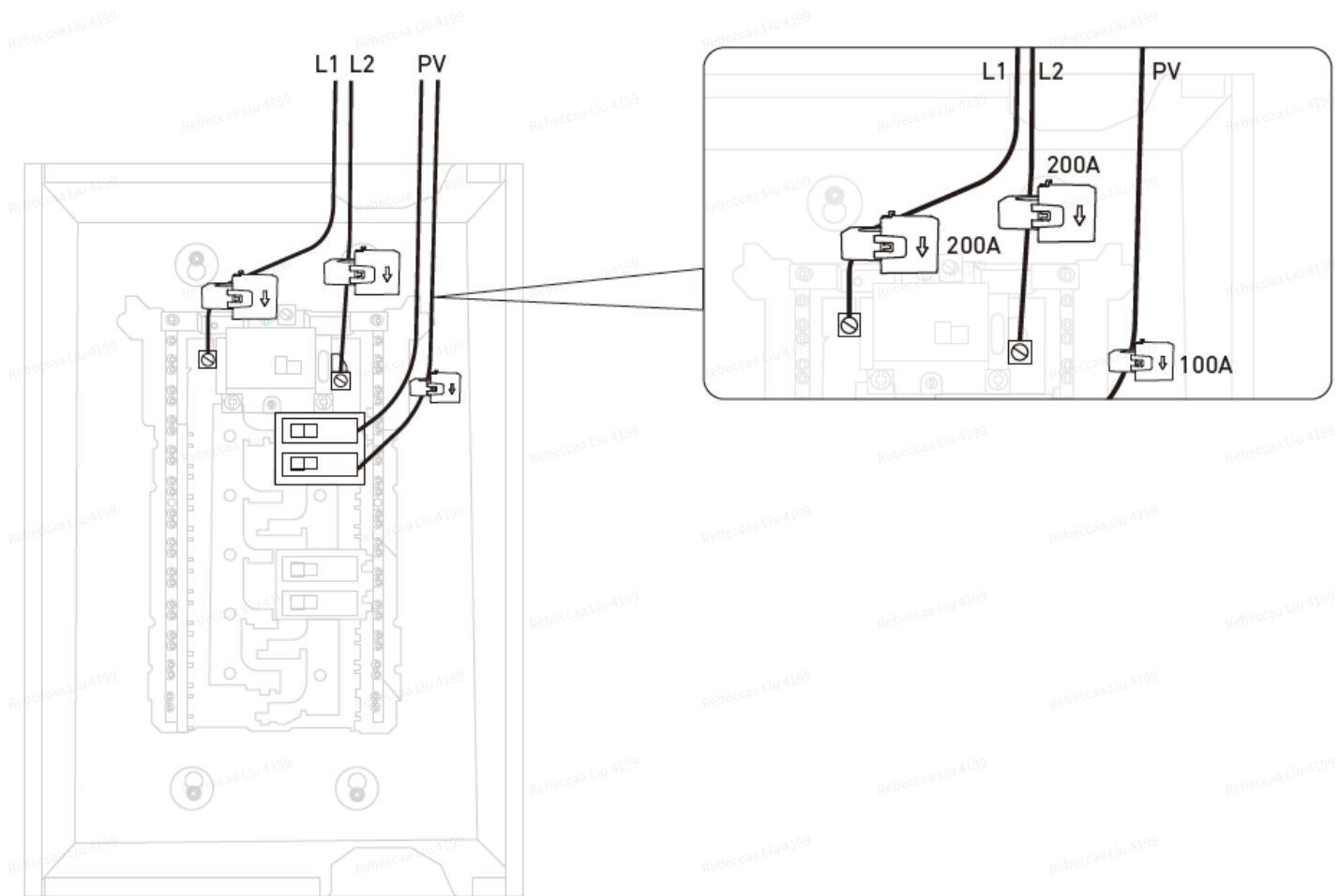


Connect Current Transformer

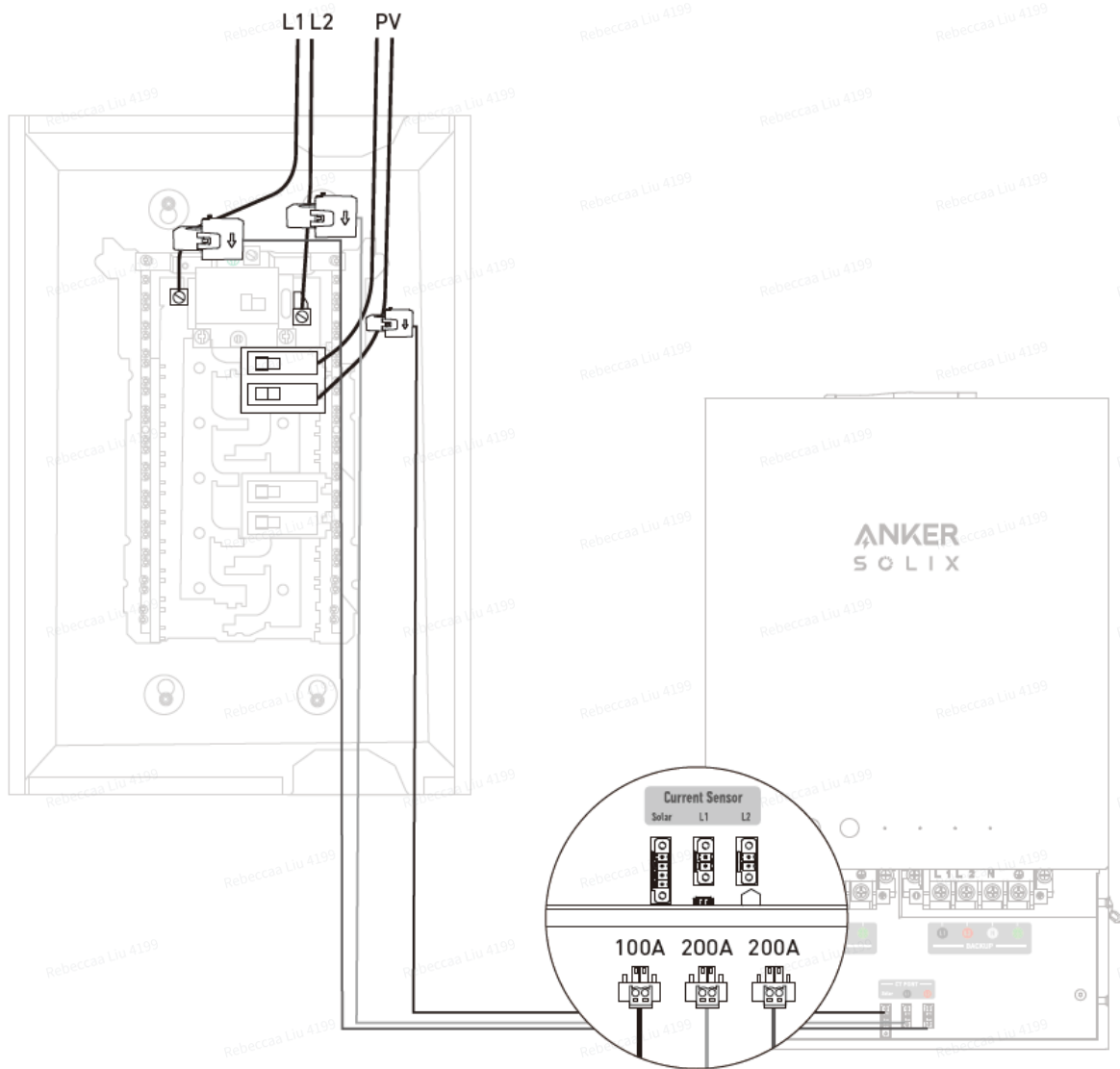


1. Open the 200A Current Transformers and snap them to L1 and L2 respectively. Orient the current transformers with the arrow pointing towards the power source.

*If a solar power system is connected to the Home Main Panel, the 100A current transformer can be clamped on the wire connected to the solar panel.

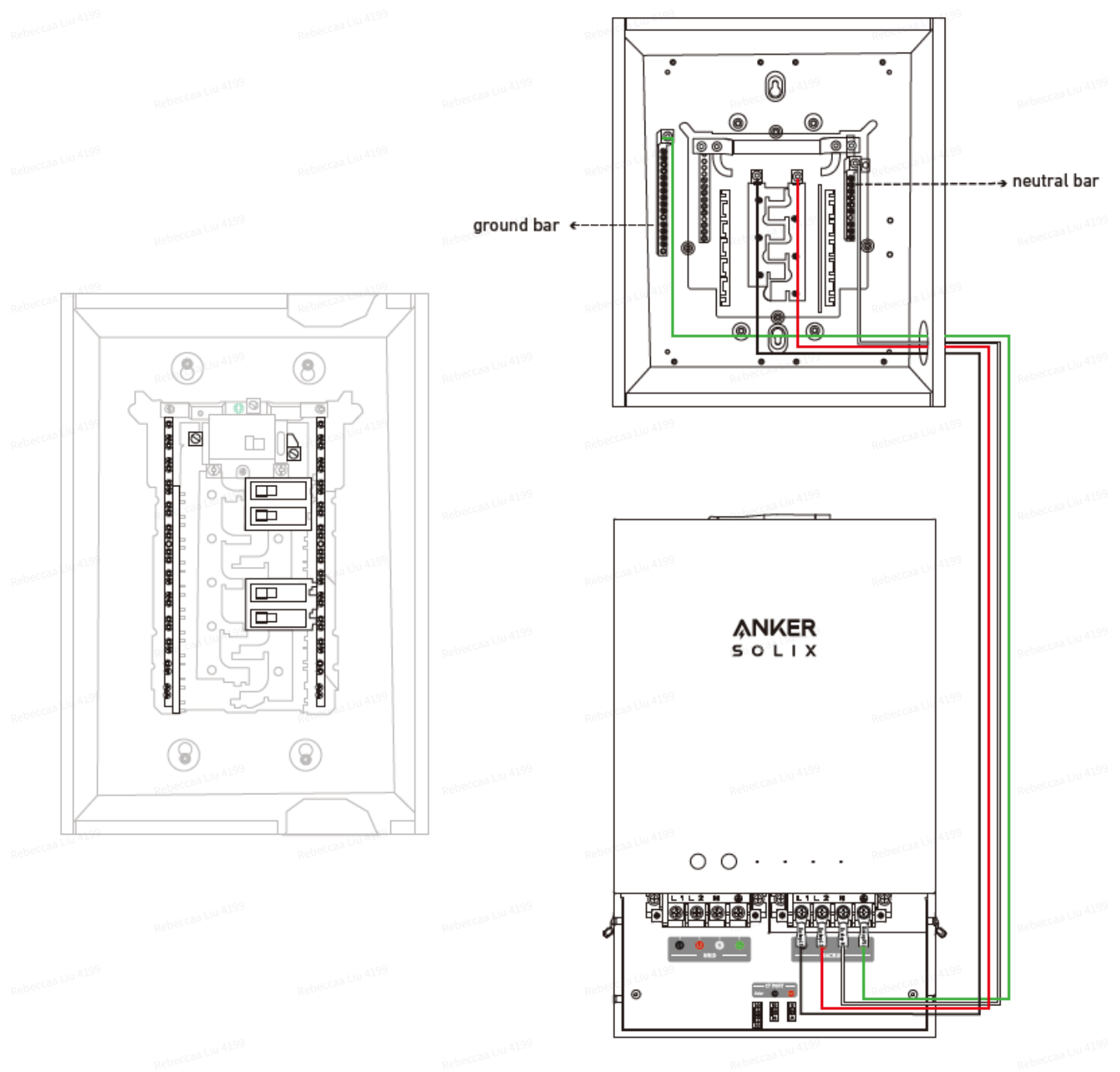


2. Insert the current transformers into the current sensor of Anker SOLIX Home Power Panel.
The cables of two 200A current transformers are connected to the connectors labeled L1 and L2, and the cable of the 100A current transformer is connected to the connector labeled Solar.

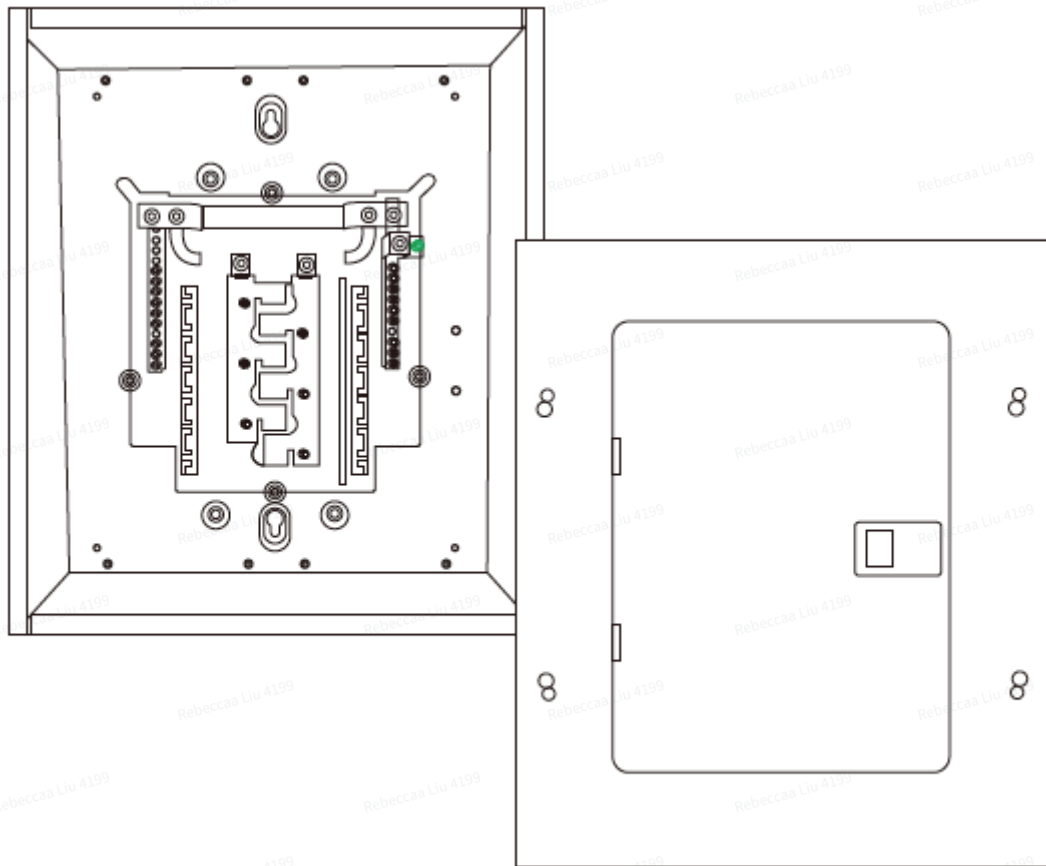


3. Complete internal wiring of Home Main Panel.

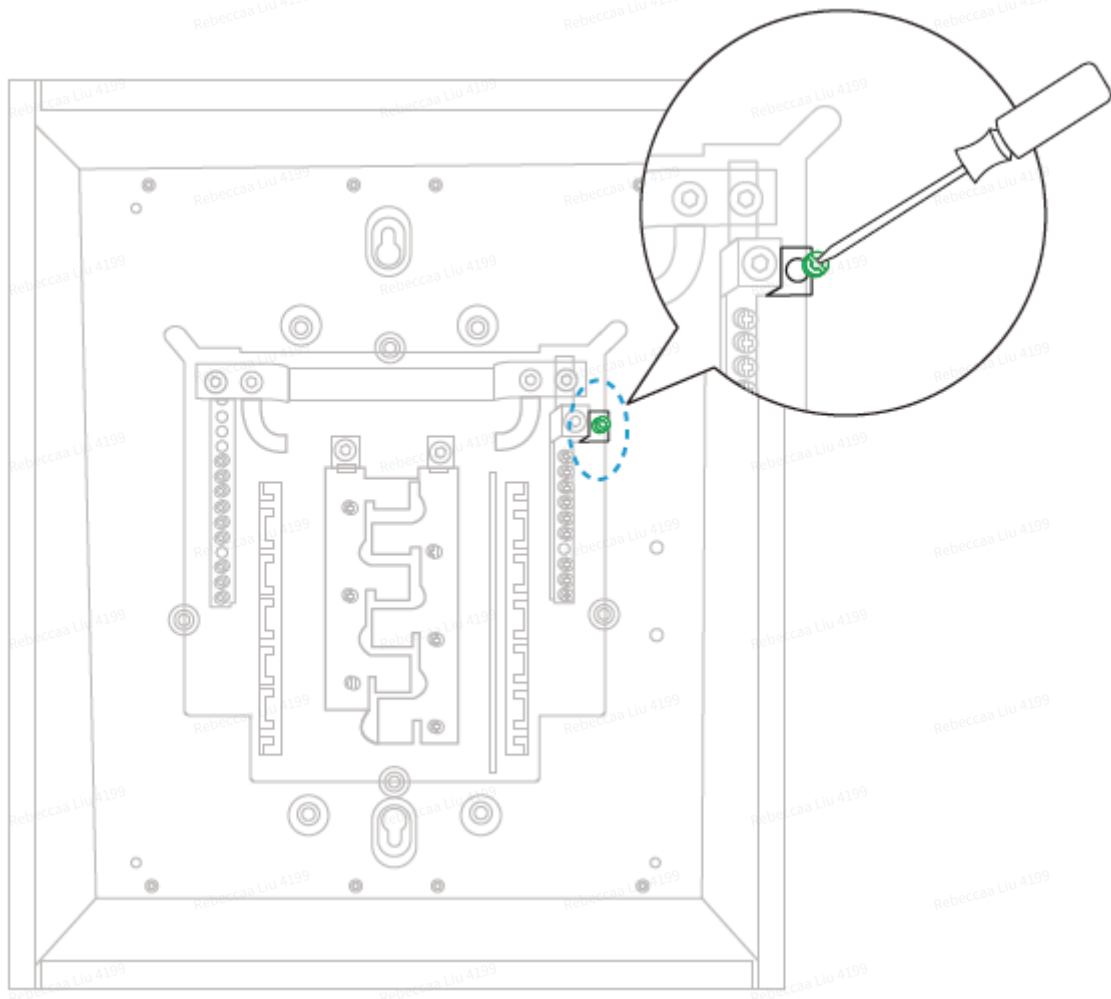
Connect Anker SOLIX Home Power Panel and 12-Circuit Backup Load Center



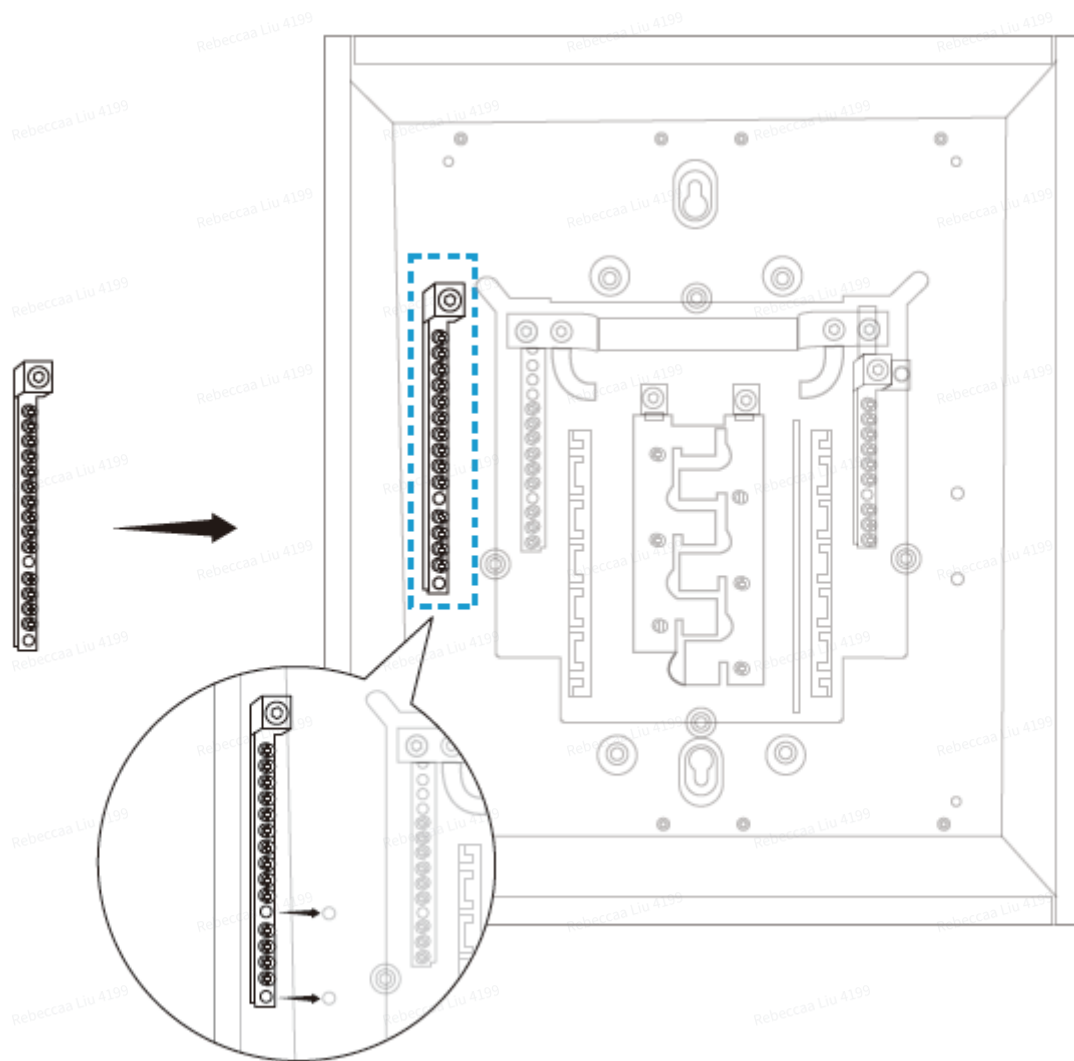
1. Remove the panel of 12-Circuit Backup Load Center.



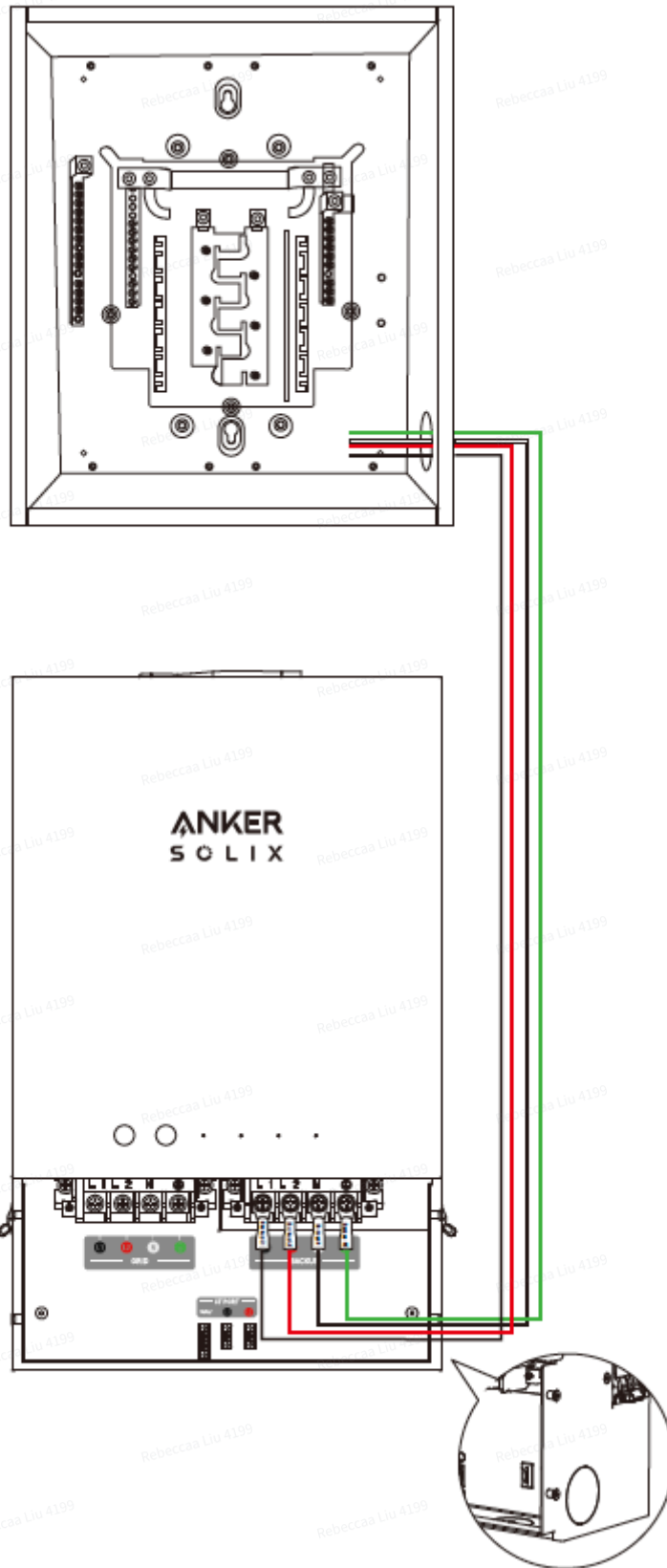
2. To ensure circuit safety, the green screw needs to be removed.



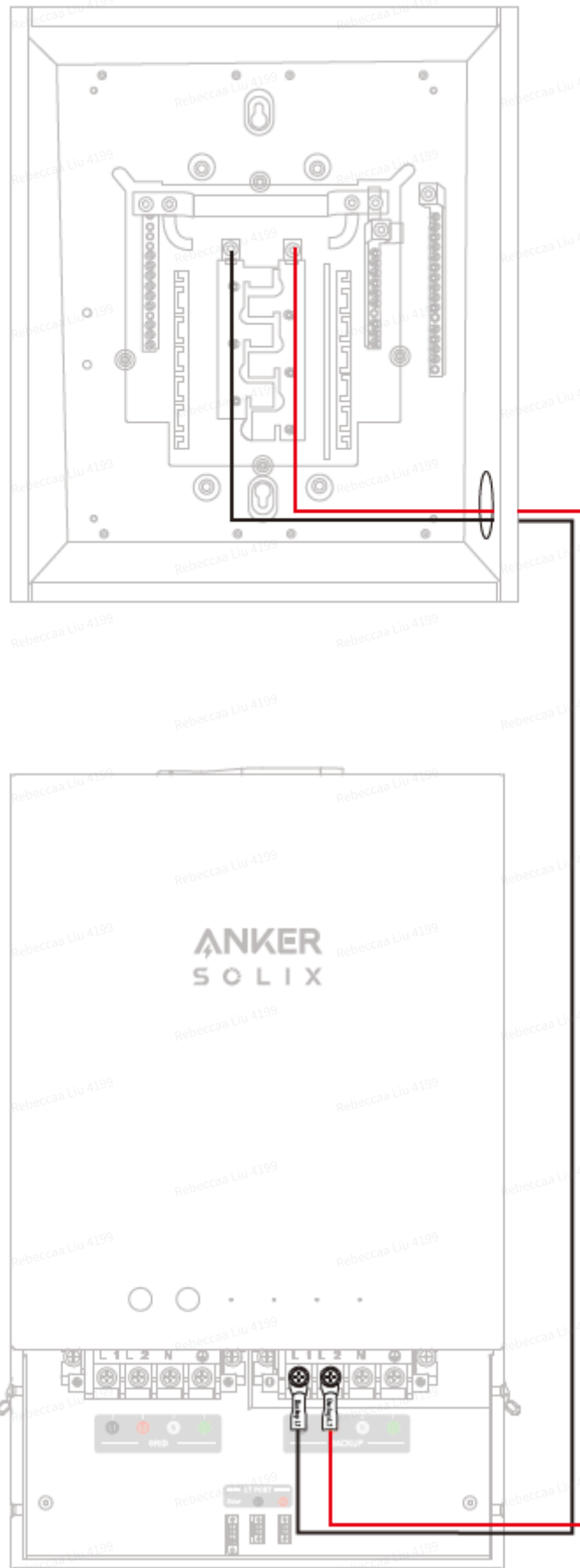
3. Install the ground bar kit into the 12-Circuit Backup Load Center.



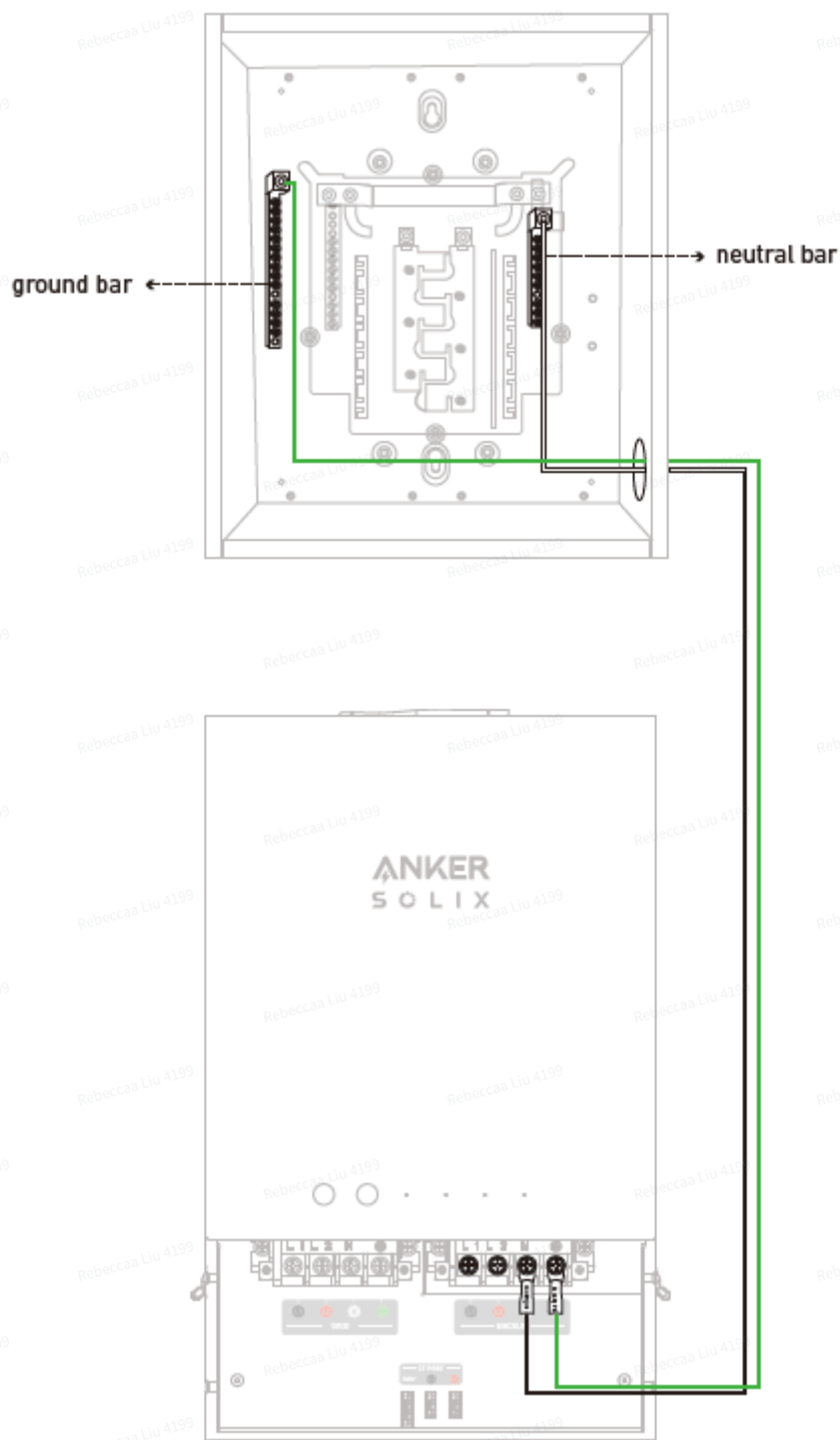
4. Run the 4 cables marked "Backup" through the right hole of Anker SOLIX Home Power Panel and thread them into hole in the bottom of the 12-Circuit Backup Load Center.



5. Connect 2 live wires to the connectors labeled L1 and L2 of the 12-Circuit Backup Load Center.



6. Loosen the wire screws, insert a neutral wire into the neutral bar and a ground wire into the ground bar.



7. Complete internal wiring of 12-Circuit Backup Load Center.

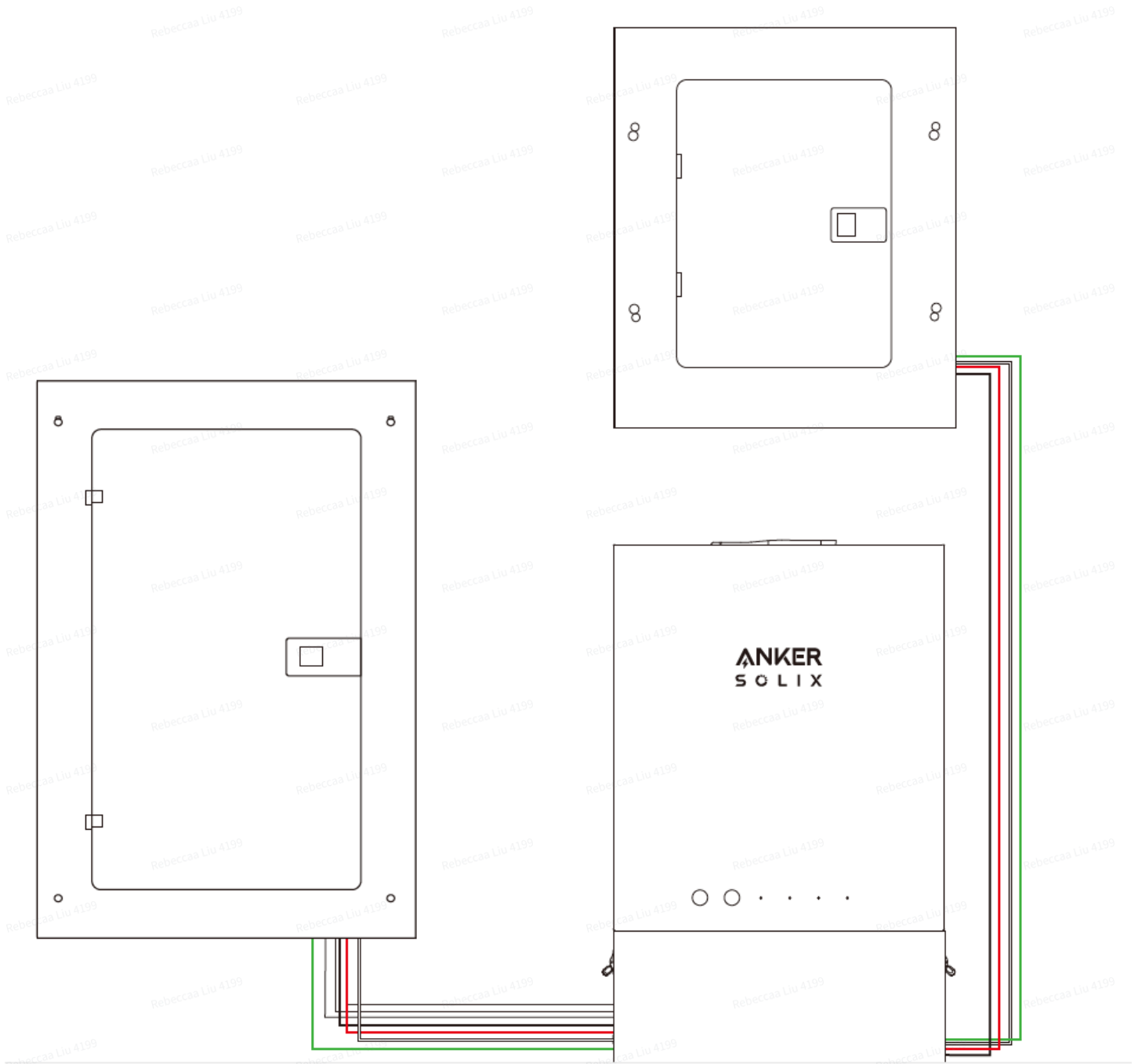
Complete Connections



- **To protect the wires and ensure electrical safety, users need to purchase and install waterproof conduits with appropriate wire lengths. Please follow the installation instructions for the conduit to prevent the wires from being exposed and to extend their lifespan.**

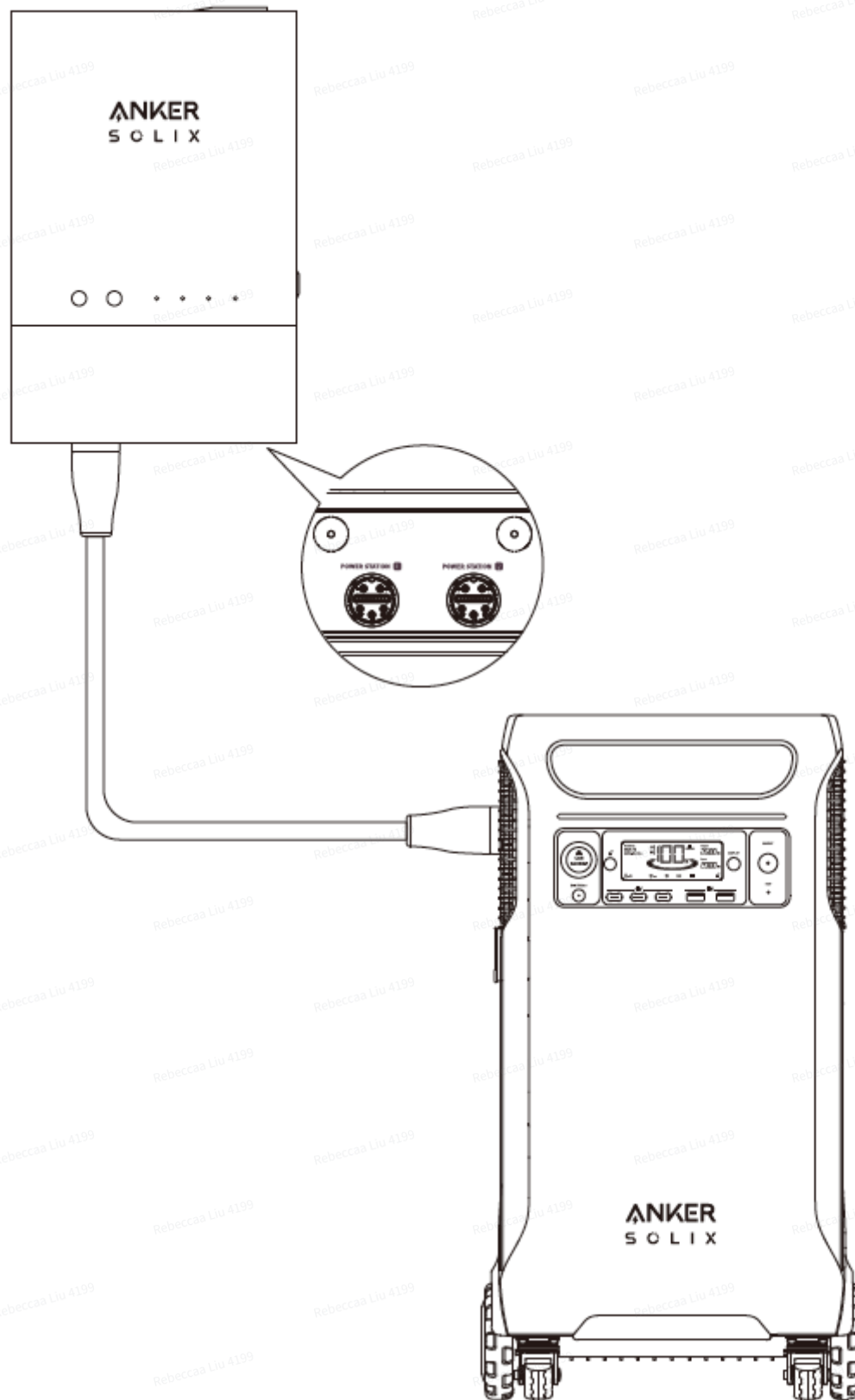
- When the Anker SOLIX Home Power Panel is connected to two Anker SOLIX F3800 Portable Power Stations and ready to be connected to expansion batteries, it is recommended that users connect an equal number of expansion batteries on each Anker SOLIX F3800 Portable Power Station to ensure connection stability and battery health.

1. Reinstall the panels of Anker SOLIX Home Power Panel, Home Main Panel and 12-Circuit Backup Load Center.



2. Connect the Anker SOLIX F3800 Power Station to the bottom ports of Anker SOLIX Home Power Panel with the F3800 to Home Power Panel Cable.

*Anker SOLIX Home Power Panel can be connected with 1 or 2 power stations.



3. To ensure clear communication signals, please extend the antenna of Anker SOLIX Home Power Panel.
4. Ensure that the Breaker 1 and Breaker 2 of Anker SOLIX Home Power Panel are turned on to ensure that Anker SOLIX Home Power Panel can operate properly.



5. Turn on the main panel and connect the mains power. Then turn on Anker SOLIX Home Power Panel to start using it.

System Commissioning and App Setup

1. Download Anker APP from App Store, Google App Store or Anker official website. Set up account and login.
2. To connect Anker SOLIX F3800 Portable Power Station to Anker SOLIX Home Power Panel, press the On/Off button.
3. Press IoT button to enable Bluetooth connection. When the indicator flashes, it is ready to pair with the Anker App.
4. Open Anker App, add a device via the "+" icon in the upper right corner, find Anker SOLIX Home Power Panel and tap the icon to pair. After Bluetooth connection, the system will prompt you to select Wi-Fi and enter the Wi-Fi password.
5. For first time users, the App will guide you to set up Anker SOLIX Home Power Panel. Simply follow the steps to complete the process. Once you have completed the setup process on App, you can start using the product.
6. After completing the wiring test, press the button for the connected Anker SOLIX F3800 Portable Power Station. At this time, the Power Station 1 Indicator and the Power Station 2 Indicator should turn white. Note any signs of abnormality and fault indications.

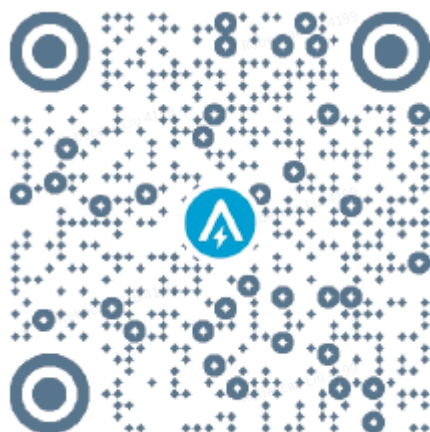
7. If there are any errors in the wiring test report, please follow the messages displayed on the App to resolve the problem, or contact our customer support from the Help Center in the App. As long as there are no electrical or other types of fault signs, it is safe to use the Anker SOLIX Home Power Panel. The default mode of Anker SOLIX Home Power Panel is grid-powered, so it will not affect your electricity consumption.
8. If there are no signs of error, you can start using the product.

! WARNING

1. Anker SOLIX Home Power Panel defaults to grid mode when there is no power, which means that if Anker SOLIX Home Power Panel is not supplied or started for the first time, the load will automatically connect to the grid for electricity.
2. Before turning off Anker SOLIX Home Power Panel, make sure that energizing the load circuits will not endanger anyone or cause any property damage.

The Anker App for Smart Control

You can remotely control your Anker SOLIX F3800 Portable Power Station and Anker SOLIX Home Power Panel using the Anker App. Please download the app by scanning this QR code or search Anker via App Store or Google Play. Connect the device to a network before using the app for the first time. After connecting successfully, you can connect your devices off-grid.

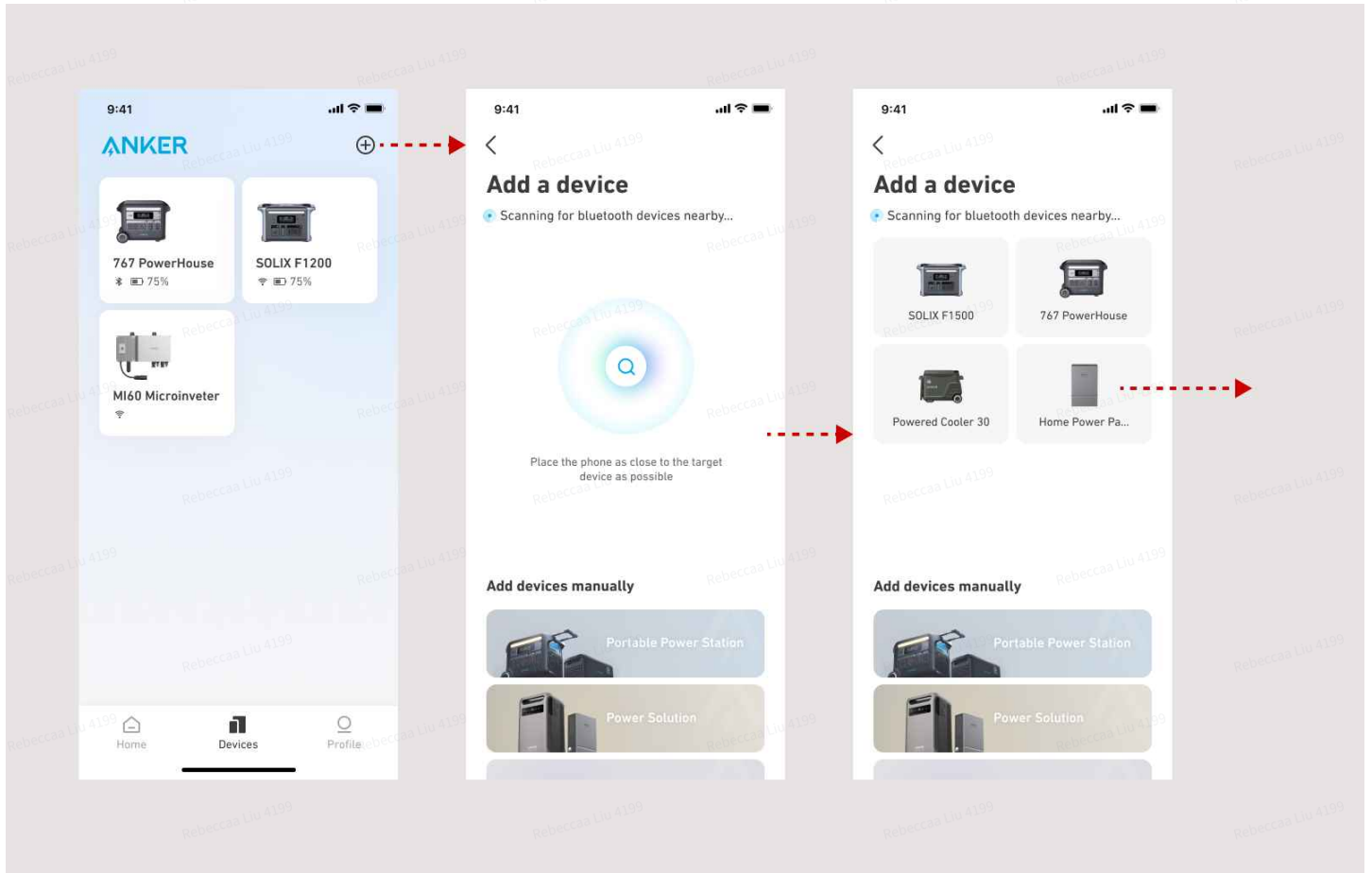


Using the App

System Creation and Initialization

1. Turn on the Anker SOLIX Home Power Panel and press the IoT button to enter configuration mode. Then Tap [+] > [Add a device] > [Anker SOLIX Home Power Panel].

2. After completing the device connection, follow the guide in the App to complete the initialization and creation process for the Home Power Panel's home system.

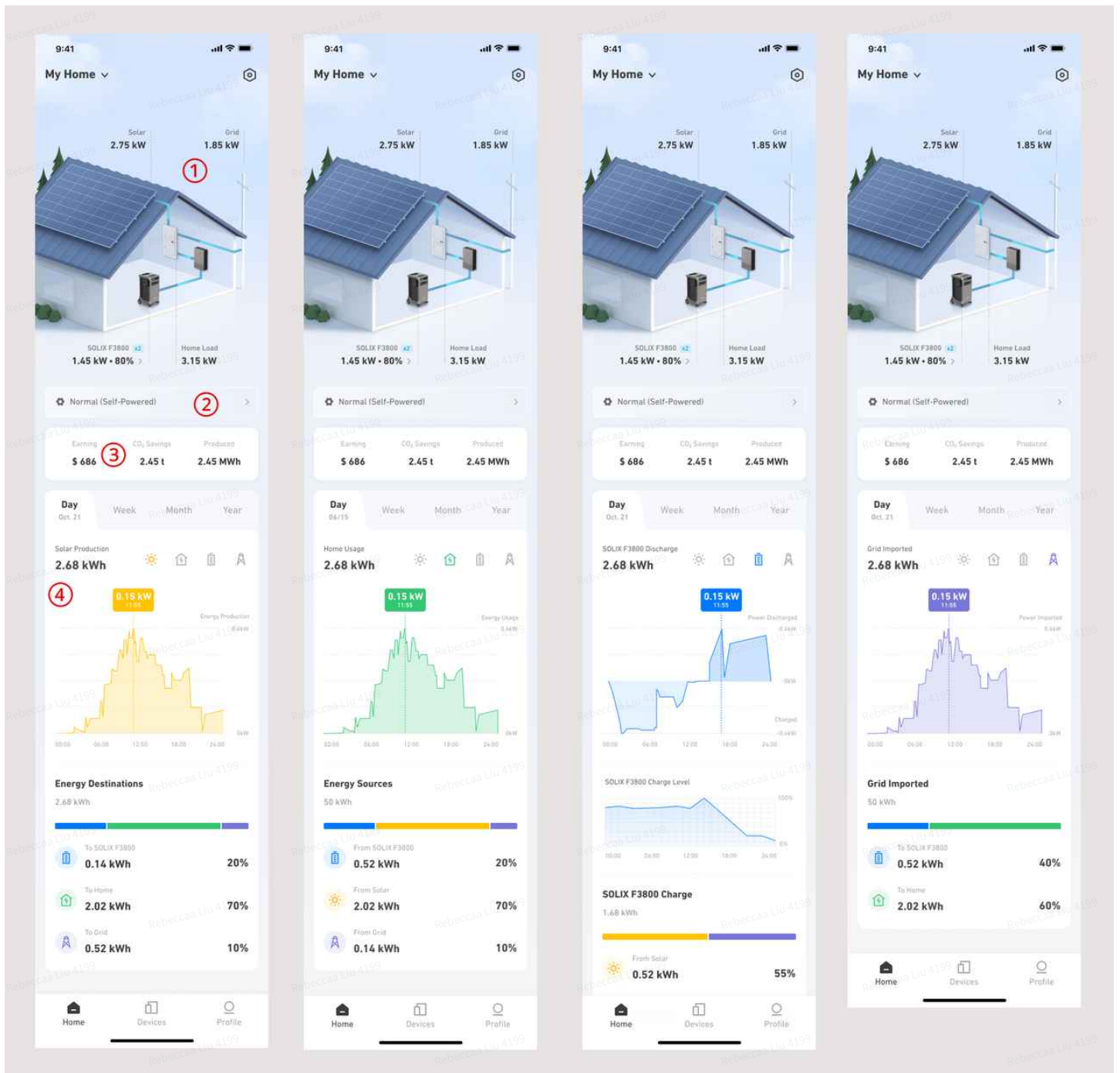


System Brief Introduction

Home System

On the main page of home system, you can view and manage the operating status and data performance of your household storage cycle system:

1. Real time power values of devices within the system, displaying the dynamic flow of energy through dynamic effects.
2. The entrance for setting the electricity consumption plan of the home system will also display the current plan being used by the home system.
3. Accumulated data statistics after the creation of the home system: photovoltaic revenue value, total carbon emissions and energy savings, and total photovoltaic production.
4. Historical data statistical charts, including trend charts for four dimensions: photovoltaic, household electricity, energy storage cycle, and grid electricity consumption, as well as statistics on the proportion of energy flow.

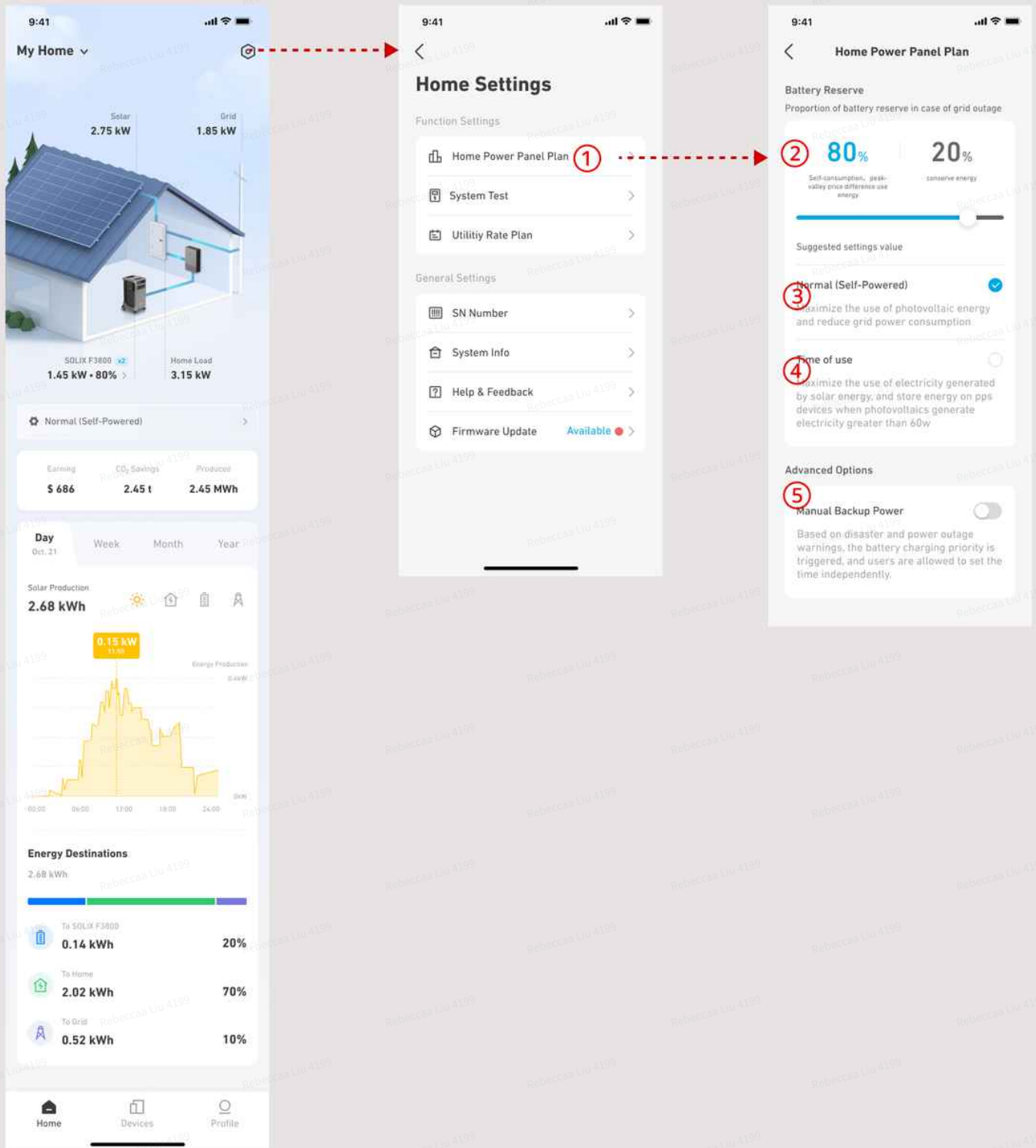


Home Power Panel Plan

Tap [Home Power Panel Plan] on the main page, or [设置图标]>[Home Power Panel Plan]:

1. Set the percentage of electricity that is currently connected to Anker SOLIX F3800 Portable Power Station to participate in the cycle of the electricity plan. After setting, the reserved part of the electricity will not participate in the cycle of the electricity plan.
 2. Self-consumption mode: In this mode, green power will be maximized to achieve the maximum self-consumption of power from the PV (Note: this mode requires the home to be connected to the PV in order to operate normally).
- When the PV power generation meets the demand of the household load and there is surplus, the excess power will be supplied to Anker SOLIX F3800 Portable Power Station for charging.

- When the PV power generation does not meet the demand of household loads, Anker SOLIX F3800 Portable Power Station will replenish the required power until its own power reaches the set cyclic power value.
 - When the PV does not have surplus power to charge Anker SOLIX F3800 Portable Power Station, the power station discharges to reach the set cyclic power value, and then no longer discharges. If it is lower than the set value, it will replenish the power from the utility to the set value.
3. Peak and Valley Mode: By setting the peaks and valleys of the electricity price at different time periods, it realizes the maximization of economic household storage and recycling by storing extra power when the electricity price is low and using the stored power when the electricity price is high:
 - Set the time period according to the four states of peak, secondary peak, valley, and secondary valley set by the user for weekdays, weekends, and four seasons, and charge and discharge at the specified time period.
 4. Manual disaster preparedness mode: Implement emergency power storage and backup functions for the user's expected time period to cope with potential power outage risks.
 - Stop all current power consumption plans.
 - Set the user's time period and disaster preparedness reserve power.
 - Within 12 hours from the start of the set time period, use photovoltaic and mains power for fast charging without touching the threshold of peak shaving and valley filling.
 - The household has been discharged within the set time period.



Firmware Update

To ensure that the system can function properly, you need to regularly check for firmware version:

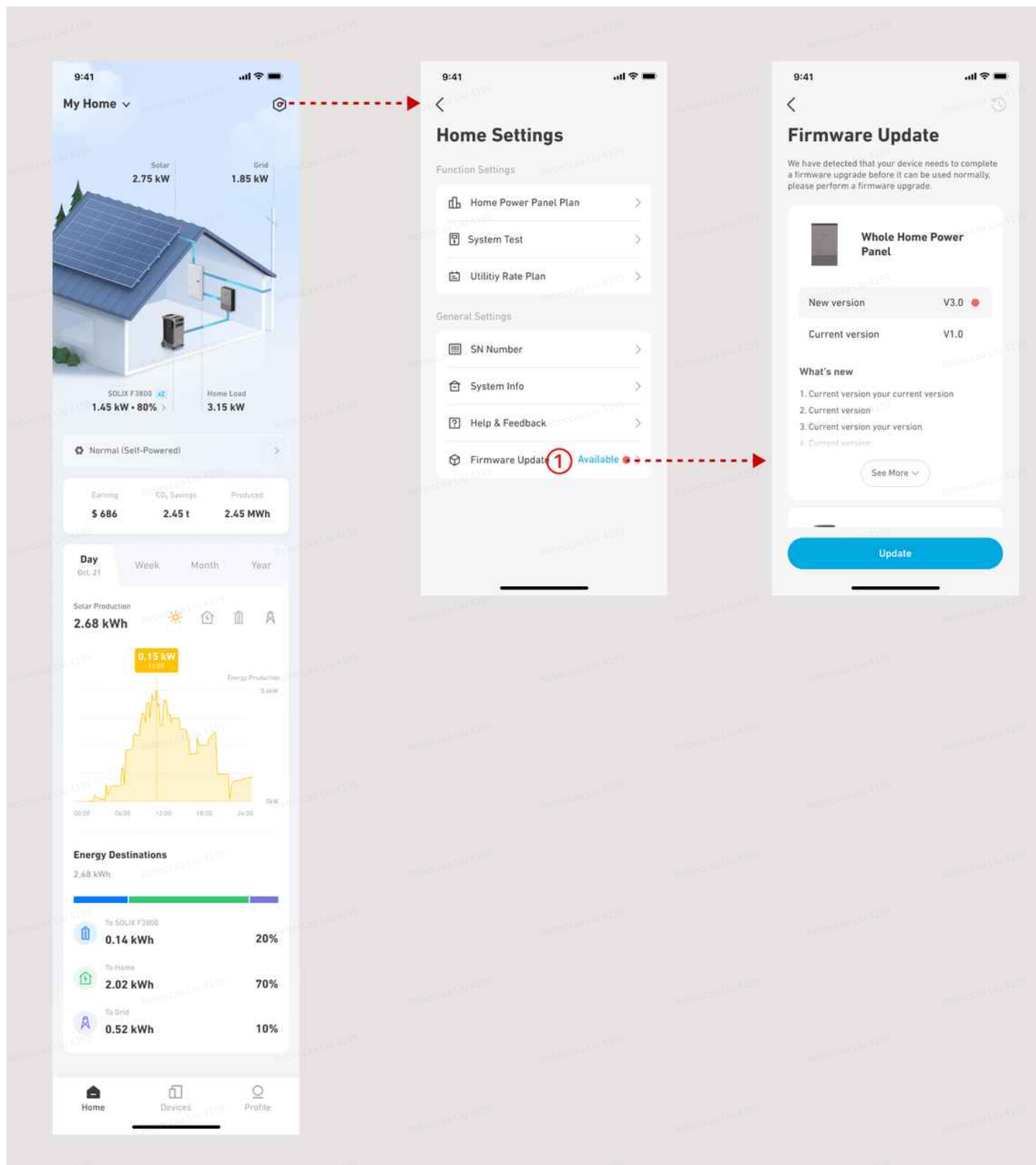
1. Check whether there are small red dots and the [Available] icon in the "Firmware Update" option through the "Settings" on the main page of home system.
2. If there is a firmware version that can be upgraded, click on [Firmware Update] to enter the interface, which will display all devices in the system that need firmware upgrade.

3. Click on [Update] to upgrade the firmware. During the upgrade process, ensure that:

-The device is powered on normally and Anker SOLIX F3800 Portable Power Station is not in a low battery state.

-Normal connection between devices.

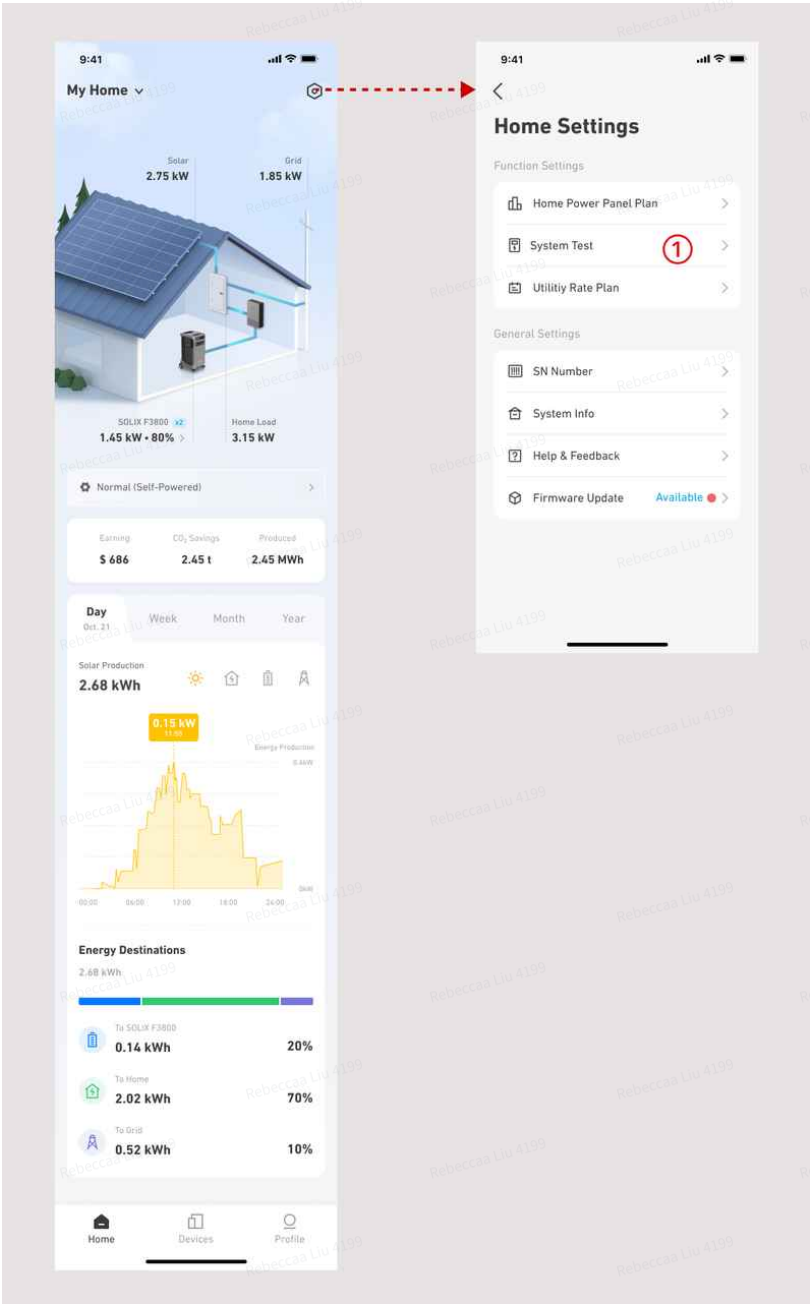
-The device's Wi-Fi is in a good connection state.



System Test

After making any adjustments to parts of the product, such as changing the connection method or configuration settings, you can perform a system test again through the process in the App to ensure that the system is in a normal connection and working state:

1. Go to the [Settings] entry on the Home page and click [System Test].
2. Follow the on-screen instructions to complete the system test. Please note:
 - Before performing the system test, disconnect the circuit breaker on the PV side.
 - Before performing the system test, ensure that the Anker SOLIX F3800 Portable Power Station is connected and the power is in a normal state.
 - If there is any abnormality in the system during the test, troubleshooting can be carried out based on the error message.



1. Can I install the Anker SOLIX Home Power Panel by myself?

The Anker SOLIX Home Power Panel requires installation by certified installers and electricians. Please provide them with the Installation Guide before the installation process.

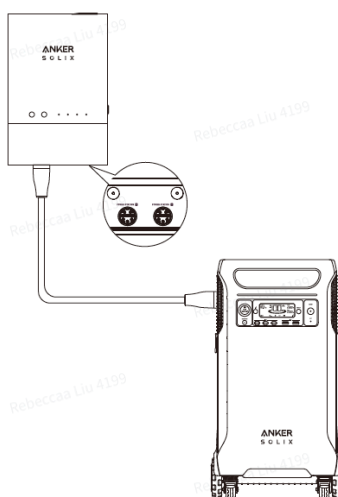
2. How can I select the size of cables for the system connection?

The size of cables are determined by the current that flows through it. A reference for cable gauge has already been provided in the electrical installation section above. Please confirm the specific cable gauge based on the current requirements below and consult with a local electrician.

	Grid side	Backup Load side
Single F3800 System	50A/ 12kW	25A/ 6kW
Parallel F3800 System	75A/ 18kW	50A/ 12kW

3. How to connect Anker SOLIX F3800 Portable Power Station with Anker SOLIX Home Power Panel?

The two ports at the bottom of Anker SOLIX Home Power Panel can be connected to two Anker SOLIX F3800 Portable Power Stations.



4. What's the maximum number of Anker SOLIX F3800 Portable Power Stations and expansion batteries that can be connected to Anker SOLIX Home Power Panel?

A maximum of 2 Anker SOLIX F3800 Portable Power Stations and 12 extra batteries can be connected, with a total of 12KW output power and 53.8kWh of energy. When Anker SOLIX Home Power Panel is connected to two Anker SOLIX F3800 Portable Power Stations and is ready to be connected to expansion batteries, it is recommended that users connect an equal number of

expansion batteries to each power station to ensure the stability of the connection and the health of the batteries.

5. Does this system support connecting to solar panels?

Yes. F3800 can work together with the grid and rooftop solar system via Anker Home power panel.

6. Does the Anker Home Power Panel support 240V output?

Yes, the backup wiring area can provide power output up to 12KW.

7. Does the product support powering essential appliances during a blackout?

Yes. Anker SOLIX F3800 will automatically power the backup loads via the backup load center if a blackout occurs. The backup load center included in the system can backup up to 12 circuits.

8. Can I manually switch between grid power and backup power?

Yes. Through the Anker App.

9. How do I charge Anker SOLIX F3800 Portable Power Station after connecting the system?

With the home power panel, the Anker SOLIX F3800 Portable Power Station can charge from the rooftop solar panels, or charge up during the off-peak hour and power your house during on-peak hour.

10. How does Anker Home Power Panel operate with the main panel and 12-Circuit Backup Load Center?

The Anker Home Power Panel is placed between the backup load center and the grid. With the home power panel, the Anker SOLIX F3800 Portable Power Station can charge from the rooftop solar panels, or charge up during off-peak hours and power your house during on-peak hours. If a blackout occurs, the Anker SOLIX F3800 Portable Power Station will automatically power the backup loads via the backup load center.

Specifications

Model	A17B1
Weight	19 lbs/8.8 kg
Dimensions	19.7*13*5.7 In 500*330.2*144.8 mm
Mounting Type	Wall Mount
Warranty Description	5 Years

Rated System Voltage	120/ 240Vac
Grid Wiring Area (INPUT)	18kW Max, 75A Max, 60Hz, L1+L2+N+PE
Grid Wiring Area (OUTPUT)	6kW Max (continue), 25A Max (continue), 60Hz, L1+L2+N+PE
Over Voltage Protection of Grid Wiring Area	Phase voltage overvoltage point $135 \pm 3V$, duration 200ms, recovery point $132 \pm 3V$, recovery time 30s Line voltage overvoltage point $270 \pm 3V$, duration 200ms, recovery point $265 \pm 3V$, recovery time 30s
Under Voltage Protection of Grid Wiring Area	Phase voltage undervoltage point $166 \pm 3V$, duration 200ms, recovery point $172 \pm 3V$, recovery time 30s Line voltage undervoltage point $83 \pm 3V$, duration 200ms, recovery point $86 \pm 3V$, recovery time 30s
Backup Wiring Area (OUTPUT)	12kW Max (continue), 50A Max (continue), 60Hz, L1+L2+N+PE
Power Station Ports 1 (INPUT)	6kW Max, 25A Max, 60Hz, L1+L2+N+PE
Power Station Ports 1 (OUTPUT)	3.8kW Max (continue), 15.8A Max (continue), 60Hz, L1+L2+N+PE
Power Station Ports 2 (INPUT)	6kW Max, 25A Max, 60Hz, L1+L2+N+PE
Power Station Ports 2 (OUTPUT)	3.8kW Max (continue), 15.8A Max (continue), 60Hz, L1+L2+N+PE
Power Station Ports 1+2 (TOTAL OUTPUT)	6kW Max (continue), 25A Max (continue), 60Hz, L1+L2+N+PE
Power Station Ports 1+2 (TOTAL INPUT)	12kW Max (continue), 50A Max (continue), 60Hz, L1+L2+N+PE
Output power factor rating	Single F3800 unit, (30% load) 1.9 kW load, PF >0.96 Two F3800 units, (60% load) 3.8 kW load, PF >0.98 Two F3800 units, (100% load) 6 kW load, PF >0.985
Nominal output voltage (ac)	120/ 240V
Normal output frequency	60Hz
Normal operation temperature range	-4°F-104°F / -20°C-40°C

Attention

Customer Service



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