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1. About This Guide

1.1 Purpose

This document provides guidance for installing the Anker SOLIX X1 Power Module X1-H(5~12)K-T series hybrid three-phase power modules.

1.2 Product Overview

The following table lists the Anker SOLIX X1 Power Module models to which this document applies.

Product Name	Anker SOLIX X1 Power Module
Short Form	Power module
Product Models	X1-H5K-T, X1-H8K-T, X1-H10K-T, X1-H12K-T
Description	**X1:** Product series
	H: Product category (Hybrid inverter)
	(5~12)K: Power level (5 kW, 8 kW, 10 kW, 12 kW)
	T: Type of AC power distribution (Three-phase)
Specifications	220/380 VAC, 230/400 VAC, 3L+N+PE

1.3 Intended Audience

This guide is intended for:

- Sales engineers
- System engineers
- Technical support engineers

2. Unboxing

2.1 Check Before Installation

Check the Outer Packing

Before unpacking the equipment, check the outer packing for damage, such as holes and cracks, and check the equipment model. If any damage is found or the model is not what you requested, do not unpack the equipment and contact the dealer as soon as possible.

Check Deliverables

After unpacking the equipment, check that the deliverables are intact and complete, and free from any obvious damage. If any item is missing or damaged, contact the dealer.

2.2 In the Power Module Box

No.	Item	Specifications	Amount
1	Power Module	X1-H5K-T / X1-H8K-T / X1-H10K-T/ X1-H12K-T	1
2	WLAN Dongle	DG-WF-H	1
3	Power Sensor	100×72×65 mm, DTSU (100 A)	1
4	Current Transformer	/	1
5	Floor Mounting Base	670×150×75 mm	1
6	Wall Mount Bracket	575×65×26 mm	1
7	Left Side Cover	432×117.3×34 mm	1
8	Right Side Cover	432×118×31 mm	1
9	Left-Side Wire Cover	78.9×54×51.6 mm	1
10	Right-Side Wire Cover	225×71×15 mm	1
11	PV Connector (+)	63×18.85 mm	2

12	PV Connector (-)	69×18.85 mm	2
13	Male Dust Cap	Black, 10.6×7.6×3.8 mm	1
14	Female Dust Cap	Black, 19.3×25×8.3 mm	1
15	RJ45 Connector with 2×120Ω Resistors	8 Pins, Black, 2×120Ω Resistors	1
16	20-Pin Terminal Block	20 Pins, 41.9×27.1×13.25 mm	1
17	3-Pin Terminal Block	3 Pins, 22.5×11.3×7.6 mm	1
18	AC Connector (Grid)	5 Pins, Black, 94.85×33.2 mm	1
19	AC Connector (Backup)	5 Pins, Black, 93.05×33.2 mm	1
20	RS485 Cable	8 m	1
21	RJ45 Connector	RJ45, 8 Pins	3
22	Ring Terminal	RNB5.5-5	1
23	Insulated Tube Terminal (COM)	Length: 16 mm	25
24	Insulated Tube Terminal (Meter)	Length: 15 mm	2
25	AC Wire Sleeve Terminal	Length: 19.5 mm	11
26	Heat Shrink Tubing	Black, Caliber: 8 mm, Length: 25 mm	1
27	Module Interlocker	38×17×2.5 mm	2
28	M5x14mm Bolt	M5×14 mm	6
29	M6x50mm Expansion Bolt	M6×50 mm	2
30	Shim	118×40×7 mm	1
31	M12 Flat Washer	M12	3
32	Packing List	/	1
33	Quick Installation Guide	/	1
34	Inspection Report	/	1
35	Positioning Card	/	1
36	Safety Instructions	/	1
37	WLAN Dongle Safety Instructions	/	1

2.3 Optional Accessories and Service Parts

The following accessories must be ordered separately.

Wall-Mount Kit

Item	Specifications	Amount
Bracket Holder	/	2
Battery Module Base (For Wall Mounting)	/	1
Left Base Baffle	/	1
Right Base Baffle	/	1
Screw	M8×70 mm	4
Screw	M4×10 mm	8

Top Cover Kit

Item	Specifications	Amount
Battery Module Top Cover	For Anker SOLIX X1 Battery Module	1
Top Cover Baffle	/	2
Module Interlocker	38×17×2.5 mm	2
Bolt	M4×10 mm	4
Screw	M5×14 mm	4
Wedge Shim	/	2

2nd Column Battery Module Accessory Kit

Item	Specifications	Amount
RJ45 Connector	8 Pins	2
Positive DC Power Connector	For 8 mm^2 Cable	2
Negative DC Power Connector	For 8 mm^2 Cable	2
Ring Terminal	RNB5.5-5	2
Heat Shrink Tubing	Black, Caliber: 8 mm, Length: 25 mm	2
Screw	M5×14 mm	2

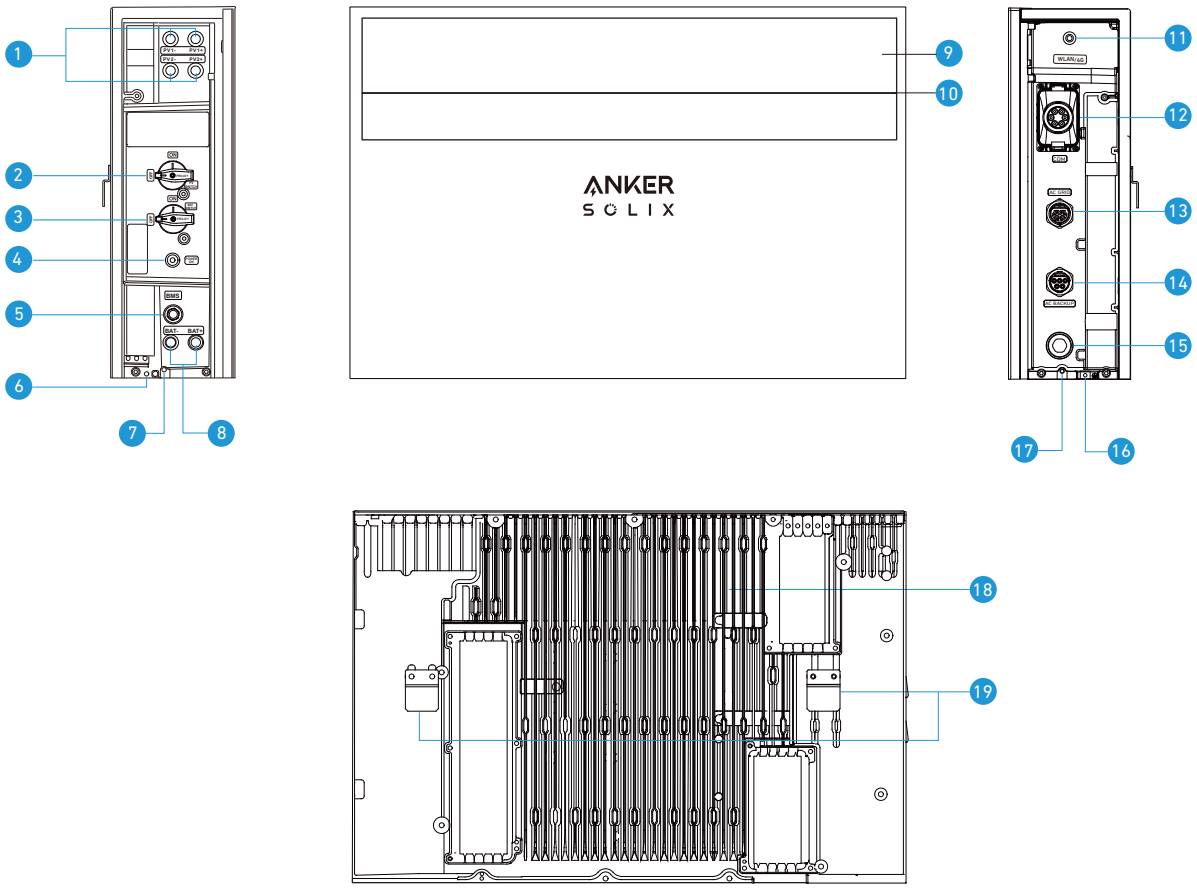
Power Sensor Kit

Item	Specifications	Amount
Power Sensor	100×72×65 mm, DTSU (250 A)	1
Current Transformer	/	1

The service parts listed below can be ordered separately and replaced during field installation by following the instructions provided in this guide.

Item	Specifications
Left Side Cover	For Power Module 432×117.3×34 mm
Right Side Cover	For Power Module 432×118×31 mm
Left-Side Wire Cover	For Power Module 78.9×54×51.6 mm
Right-Side Wire Cover	For Power Module 225×71×15 mm
Wall Mount Bracket	575×65×26 mm
Side Cover	For Anker SOLIX X1 Battery Module 360×117.4×21.8 mm

3. At a Glance



❶ PV power ports (PV1+ / PV1–, PV2+ / PV2–)
❷ PV switch
❸ BAT switch
❹ Black start button
❺ BMS port
❻ Internal ground point
❼ Screw hole for locking modules
❽ DC power ports (BAT+ / BAT–)
❾ LED screen
❿ Status light
⓫ WLAN/4G port
⓬ Communication ports / terminals *
⓭ AC grid port
⓮ AC backup port
⓯ Breather valve
⓰ External ground point
⓱ Screw hole for locking modules
⓲ Heat sink
⓳ Wall-mount cleats

* For the layout and function description of communication ports and terminals, refer to *"Appendix B. Communication Ports and Terminals"*.

4. Pre-Installation

4.1 Select Installation Site

1. Environment Requirements

- The power module with protection rating IP66 can be installed both indoors and outdoors.
- The ambient temperature must not be lower than -20℃ or higher than 55℃, and the relative humidity should be 5% to 95%.
- Do not place the modules near a wall facing the maximum sunlight direction (usually south for the northern hemisphere, or north for the southern hemisphere) or in an area exposed to direct sunlight, fire, or explosive materials.
- Ensure the site is protected from potential hazards such as floods.
- The maximum operating altitude is 4,000 m.
- Do not install equipment in living spaces or habitable areas of dwelling units, such as living rooms.
- Do not install the equipment outdoors in salt-affected areas to prevent corrosion. These areas typically include regions within 300 (± 50) meters of the coast or prone to sea breezes*. In such areas, install the equipment indoors or in a sheltered location.
- The equipment can be installed indoors or outdoors at any sites up to 300 m (984 ft) away from the coast without special requirements .
- Protective measures need to be taken if the equipment is installed at a site within 50 to 300 m (164 to 984 ft) from the coast.
  a. Indoor installation is recommended and should be prioritised.
  b. Semi-enclosed sites: If the installation site directly faces the ocean, effective barrier structures must be installed between the equipment and the sea to block marine airflow.
  c. Outdoor installation: This is only permitted when indoor installation is not possible. The following protective measures must be implemented:
  i. A physical protective structure must be constructed to shield the equipment from sea breezes. The equipment must be placed between 40 and 100 cm (15.7 and 39.4") away from the structure.
  ii. The top of the equipment must be covered to avoid vertical ocean airflow.
- Installation is prohibited in sites within 50 m (164 ft) of the coast due to high salt fog concentration, intense corrosion, and climate conditions, which violate operational safety standards.

*Note:

(1) Requirements for regions prone to sea breezes may vary depending on weather conditions (e.g., typhoons, monsoons) and terrain features (e.g., dams, hills).

(2) The operational environment must be properly ventilated to dissipate heat. Installation must strictly adhere to the spacing requirements. Maintain a minimum safe distance from surrounding objects to improve heat dissipation and prolong equipment life.

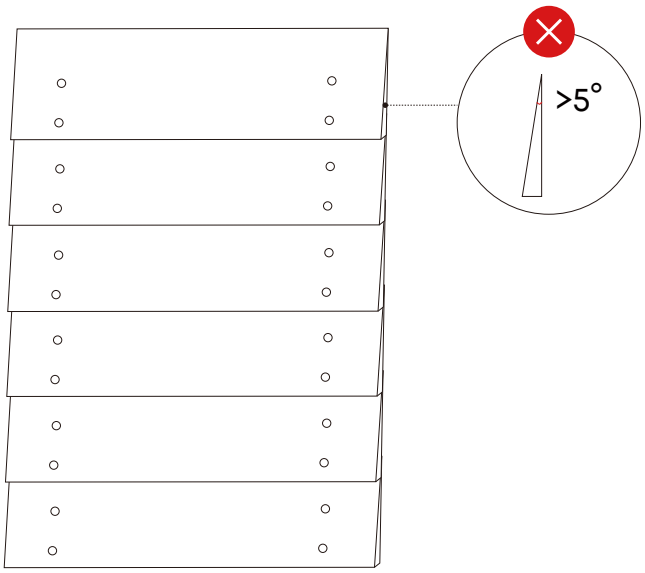
2. Load-Bearing Requirements

The Anker SOLIX X1 Power Module supports up to six Anker SOLIX X1 Battery Modules (Model: X1-B5-H). The power and battery modules can be installed on either the floor or wall.

- Concrete / Masonry: Minimum strength requirements are 18 MPa for concrete, 12 MPa for clay brick, and 11 MPa for masonry. Use the expansion bolts (M6×50 mm, included) to fully embed them into the wall. Prior to mounting, inspect the surface and avoid using weak compositions.
- Blocking / Wood Studs: Mount the modules directly onto the wood studs, which should be spaced 508 mm, 406 mm, or 304 mm apart. Use the self-tapping screws (M8×70 mm, not included) to fully embed them into the studs.
- Other Types of Walls: Verify that the selected walls meet the load bearing requirements and choose appropriate screws. For wall mounting, choose a wall capable of supporting the full weight of the equipment.
  - Power module: 30 kg
  - Battery module: 51 kg

3. Requirements for Inclined Walls

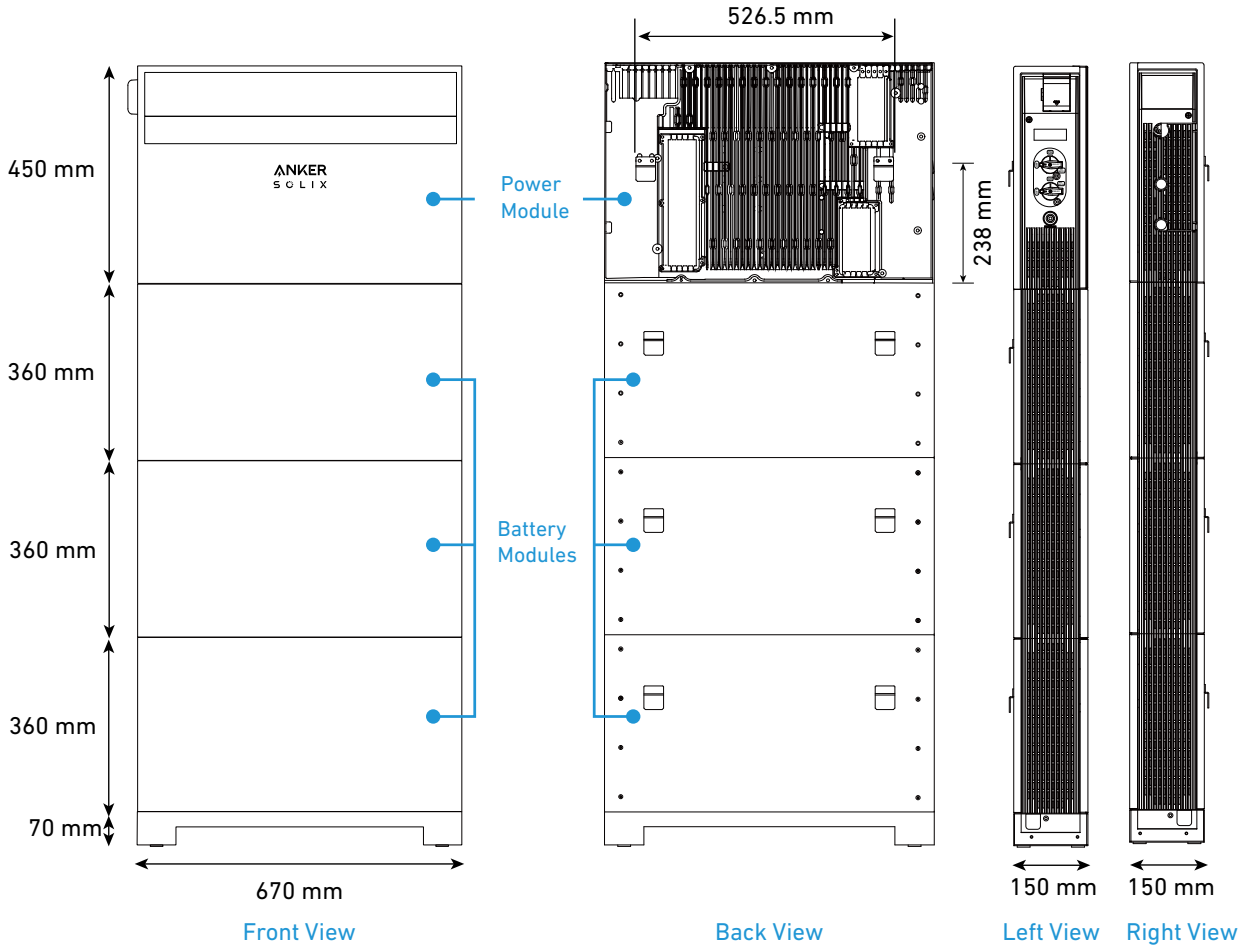
Do not install the equipment on a wall with an inclination greater than 5°. Installing on an inclined wall may complicate the installation, restrict heat dissipation, reduce mounting stability, and create safety hazards.



4.2 Measure Distance

Utilize the dimensions provided in the figures below to reserve sufficient spacing for heat dissipation and safety isolation, and plan for a short and efficient conduit run.

Dimensions

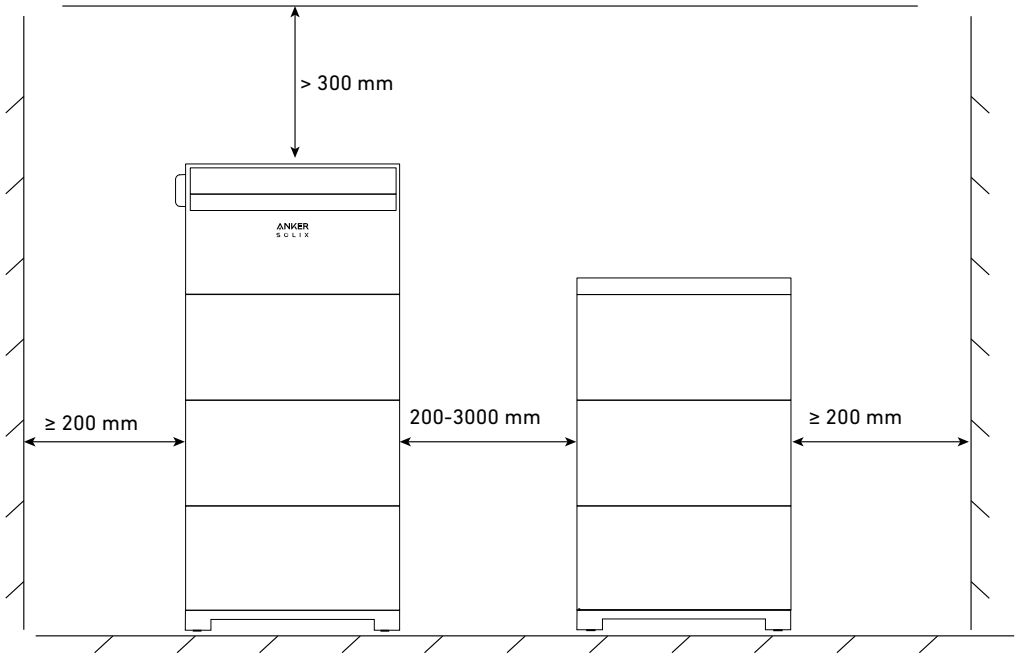


Spacing

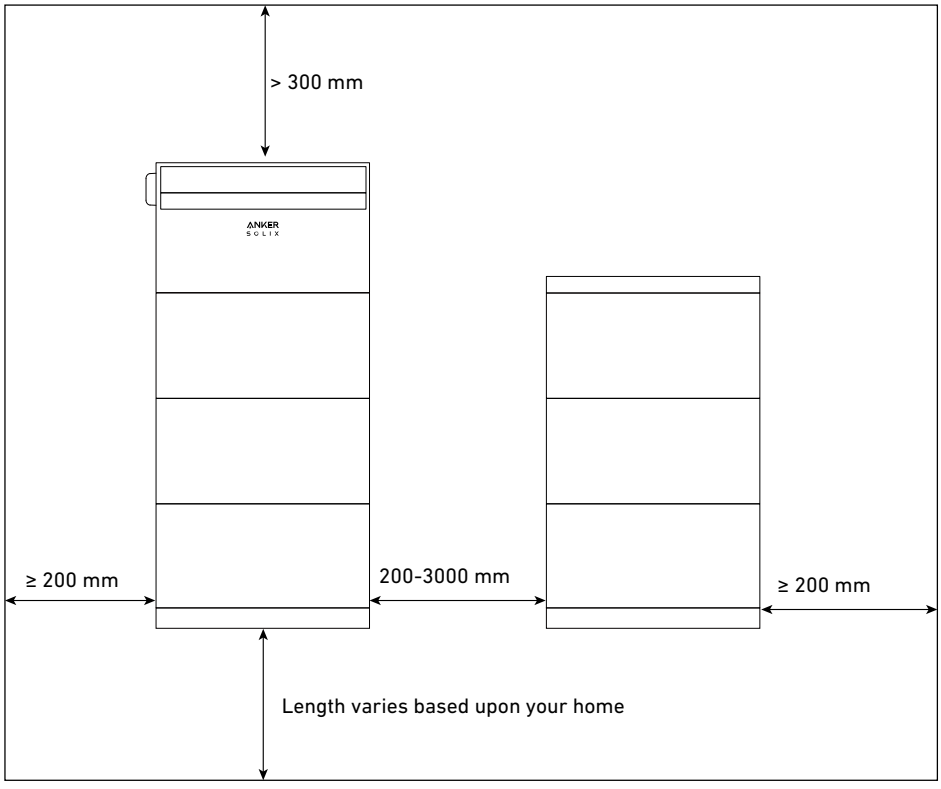
Ensure sufficient spacing for cabling, heat dissipation, and safety isolation.

Minimum clearance from the wall on both sides	200 mm
Minimum clearance from the ceiling	300 mm
Clearance between side-by-side modules	200 mm to 3,000 mm (300 mm to 600 mm recommended)
Minimum clearance in front of the modules	500 mm
Minimum clearance from any heat source (hot water system, gas heater or the like)	60 cm

• Installation space for floor-mounted modules.

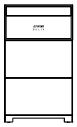
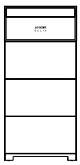
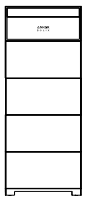
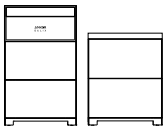


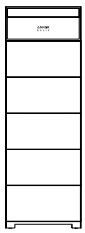
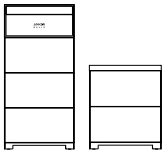
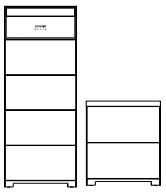
• Installation space for wall-mounted modules.



Stacking

The following illustrations for stacking are for reference only. You may stack the modules in other ways. However, for floor mounting, stack no more than **five** battery modules plus one power module in one column; for wall mounting, stack no more than **four** battery modules plus one power module in one column.

Anker SOLIX X1				 or 
Battery Module	×1	×2	×3	×4
Energy Capacity	5 kWh	10 kWh	15 kWh	20 kWh
Weight*	84.5 kg	135.5 kg	186.5 kg	243 kg

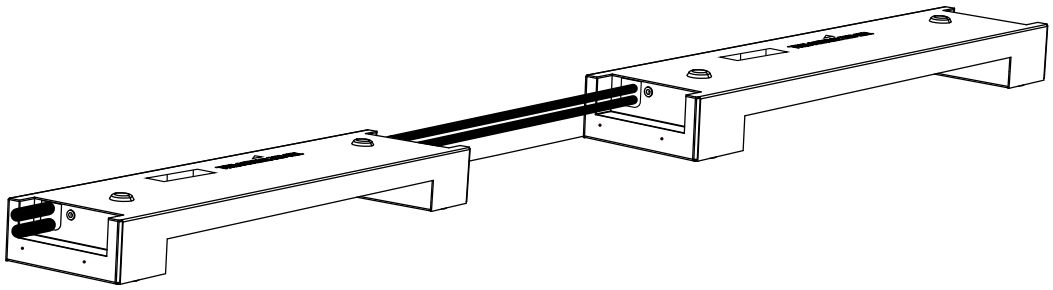
Anker SOLIX X1	 (This one-column stacking only for floor mounting) or 	 or 
Battery Module	×5	×6
Energy Capacity	25 kWh	30 kWh
Weight*	294 kg	345 kg

*Includes floor mounting base and top cover.

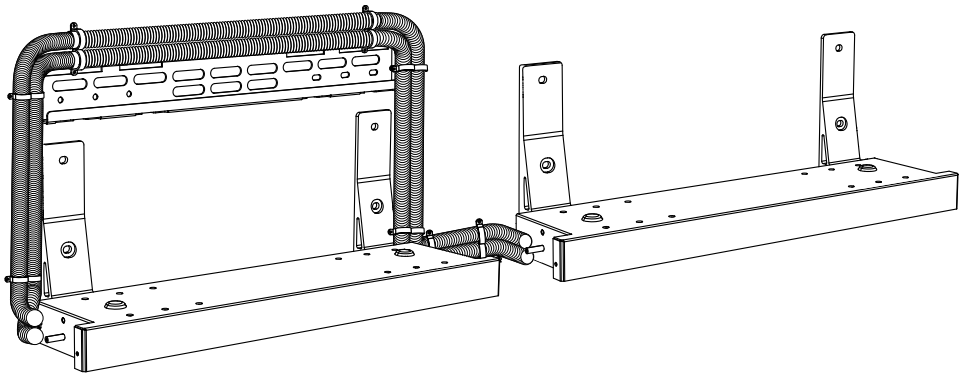
4.3 Plan Conduit Run

When connecting two columns of modules, it is recommended to follow the instructions below.

• For floor mounting, route cables into the second column from the inside of the floor mounting base in the first column.



• For wall mounting, route cables into the second column from the back of the first column.

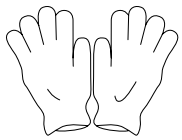
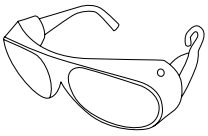
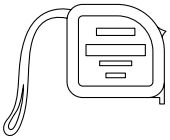
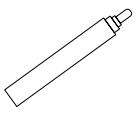
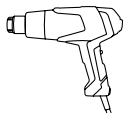
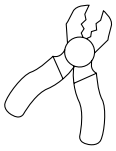
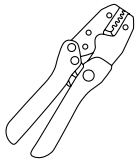


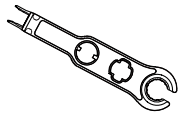
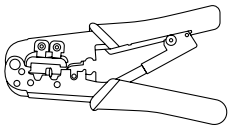
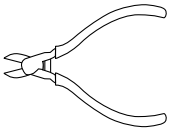
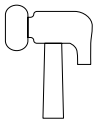
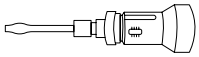
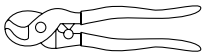
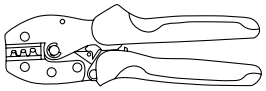
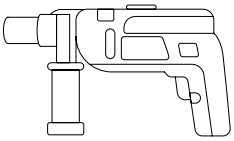
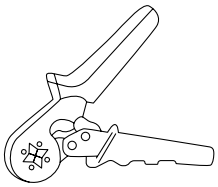
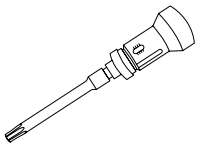
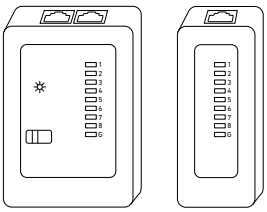
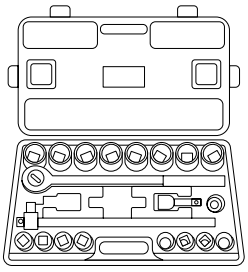
4.4 Prepare Tools and Supplies

The following tools and supplies are not included in the package. Ensure that you have them ready before proceeding with the installation and electrical connections.

Required Tools

⚠ Use appropriate personal protective equipment (PPE) and follow safe electrical work practices.

Personal Protective Equipment	
Protective Gloves	Insulated Gloves
	
Dust Mask	Safety Goggles
	
Protective Footwear	Safety Hat
	
Measuring Instruments	
Level	Metal Tape Measure
	
Installation and Wiring Tools	
Marker	Heat Gun
	
Wire Stripper	OT Terminal Crimper
	

Disassembly Tool	RJ45 Crimping Tool
	
Pliers	**Rubber Mallet**
	
Flathead Screwdriver	**Cable Cutter**
	
Solar Crimping Tool	**Power Drill**
	 Drill Bit: 10 mm
Tube Terminal Crimper	**No. 1 Phillips Screwdriver**
	
Cable Tester	**Torque Wrench**
	 Cross Socket Bits: PH1 / PZ1 (M4), PH2 / PZ2 (M5) Hex Socket: 10 mm (M6), 13 mm (M8)

Required Supplies

You need to prepare necessary cables or conduits for more complicated connection requirements. Make sure the cables or conduits meet the local electrical regulations. All cables are rated minimum 90°C.

Function	Cable / Conduit	Specifications
Connection Between Two Module Columns	GND Cable	6 mm^2, Minimum 600 V Rating, Copper
	Positive DC Power Cable	6/8/10 mm^2, Minimum 600 V Rating, Copper
	Negative DC Power Cable	6/8/10 mm^2, Minimum 600 V Rating, Copper
	RJ45 Signal Cable	Cat 5 or Higher, 5-6 mm in Diameter, 8-Conductor, Shielded (Recommended)
	Cable Conduit	• For floor-mount installation: rigid metal conduits, inner diameter of 20 mm, outer diameter of 25 mm, 304 stainless steel • For wall-mount installation: flexible metal conduits, inner diameter of 15 mm, outer diameter of 20 mm, 304 stainless steel
Connection from Power Module to PV Panels	Positive PV Cable for Outdoors	4-6 mm^2, 5.5-7.5 mm in Outer Diameter, Minimum 600 V Rating, Copper
	Negative PV Cable for Outdoors	4-6 mm^2, 5.5-7.5 mm in Outer Diameter, Minimum 600 V Rating, Copper
Connection from Power Module to AC Grid / Backup Loads	5-Conductor AC Power Cable	8-17 mm in Outer Diameter • L1 Conductor: 6 mm^2, Minimum 300 V Rating, Copper • L2 Conductor: 6 mm^2, Minimum 300 V Rating, Copper • L3 Conductor: 6 mm^2, Minimum 300 V Rating, Copper • N Conductor: 6 mm^2, Minimum 300 V Rating, Copper • PE Conductor: 6 mm^2, Minimum 300 V Rating, Copper
Connection Between PV-Side Power Sensor and Grid-Side Power Sensor (Only for Retrofitting)	RS485 Signal Cable	5.5±0.5 mm in Outer Diameter, 2-Wire (485+ and 485-), 0.2 to 0.5 mm^2
Connection Between Grid and Power Sensor	AC Power Wires	• L1 Wire: 6 mm^2, Minimum 300 V Rating, Copper • L2 Wire: 6 mm^2, Minimum 300 V Rating, Copper • L3 Wire: 6 mm^2, Minimum 300 V Rating, Copper • Neutral Wire: 6 mm^2, Minimum 300 V Rating, Copper
Internet Connection Through Ethernet	RJ45 Signal Cable	Cat 5 or Higher, 5-6 mm in Diameter, 8-Conductor, Shielded (Recommended)

5. Installation

You can mount the modules on a floor support or to the wall. The procedures describe the installation of one power module and six battery modules (power module and three battery modules in the first column; another three battery modules in the second column) as an example.

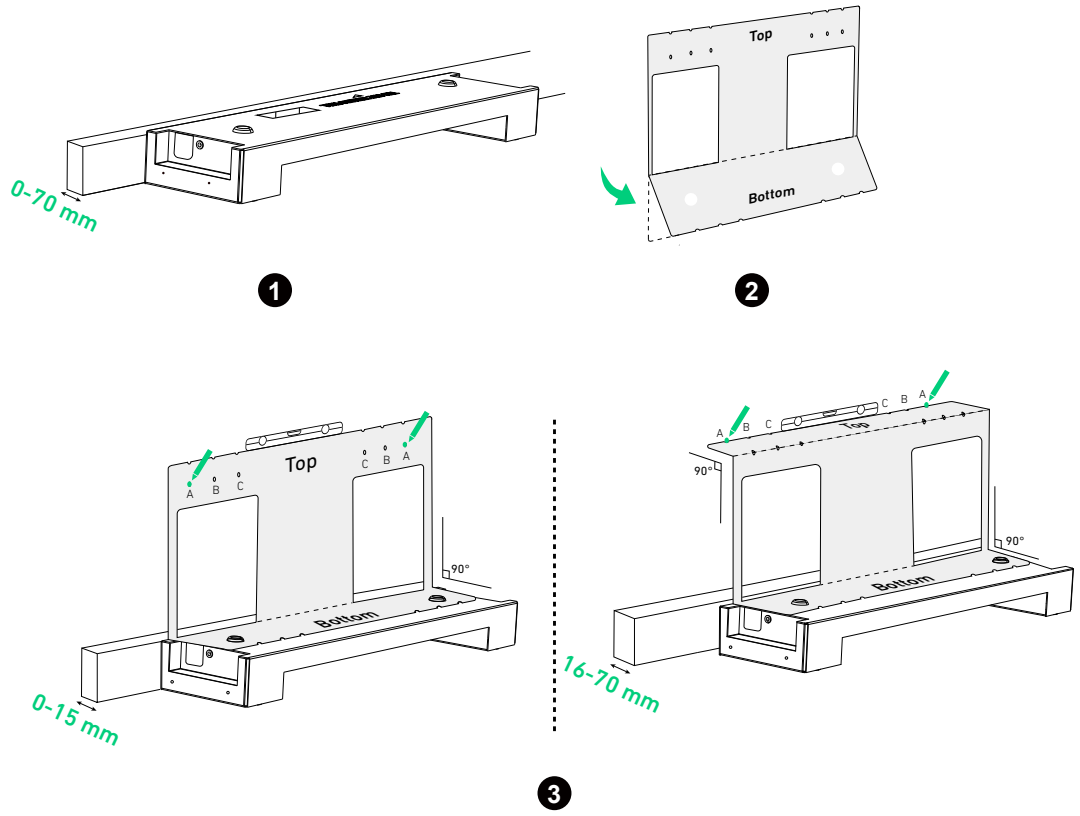
- Leave a minimum of 300 mm of workspace on either side of the equipment.
- If the baseboard is thicker than 70 mm, mount the modules to the wall.

5.1 Floor Mounting

Step 1: Mark pilot holes for the first module.

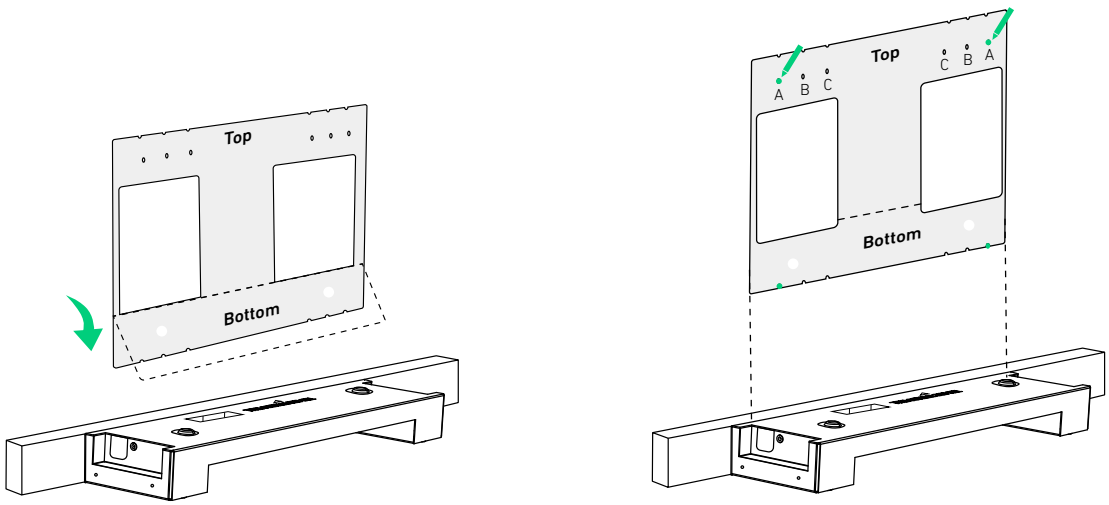
1. Position the floor mounting base on a level surface against the wall or the baseboard.
2. Fold the positioning card (included) along the crease.
3. Align the card with the top of the floor mounting base and use a level to ensure it is horizontal. Verify the spacing and mark one hole on each side to secure the first module.
   - If there is no baseboard, or the baseboard is 0–15 mm thick, fold the positioning card only along the bottom crease.
   - If the baseboard is 16–70 mm thick, fold the positioning card along the top crease and move the floor bridge base so that the top edge of the card touches the wall at a 90° angle.

- Markings are for reference only. Select position A, B, or C based on your actual installation conditions.
- If anchoring to a wall with studs, select position A for studs spaced 508 mm apart, position B for studs spaced 406 mm apart, or position C for studs spaced 304 mm apart.

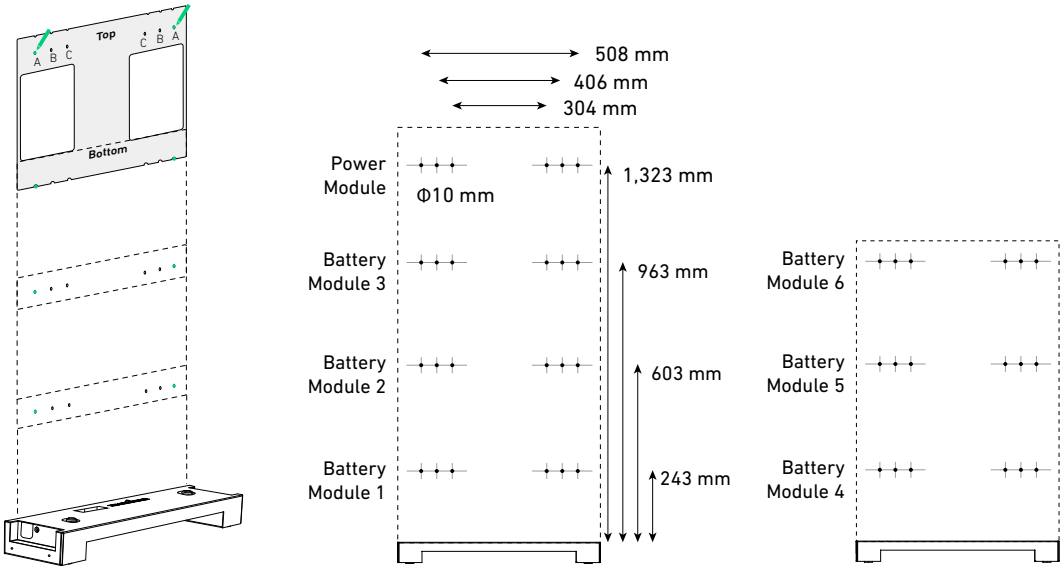


Step 2: Mark pilot holes for the remaining modules.

1. Unfold the positioning card and align the bottom row of holes with the marked holes. Choose and mark a hole on each side at the top for the second module.



2. Repeat the previous step to mark any remaining pilot holes as required.



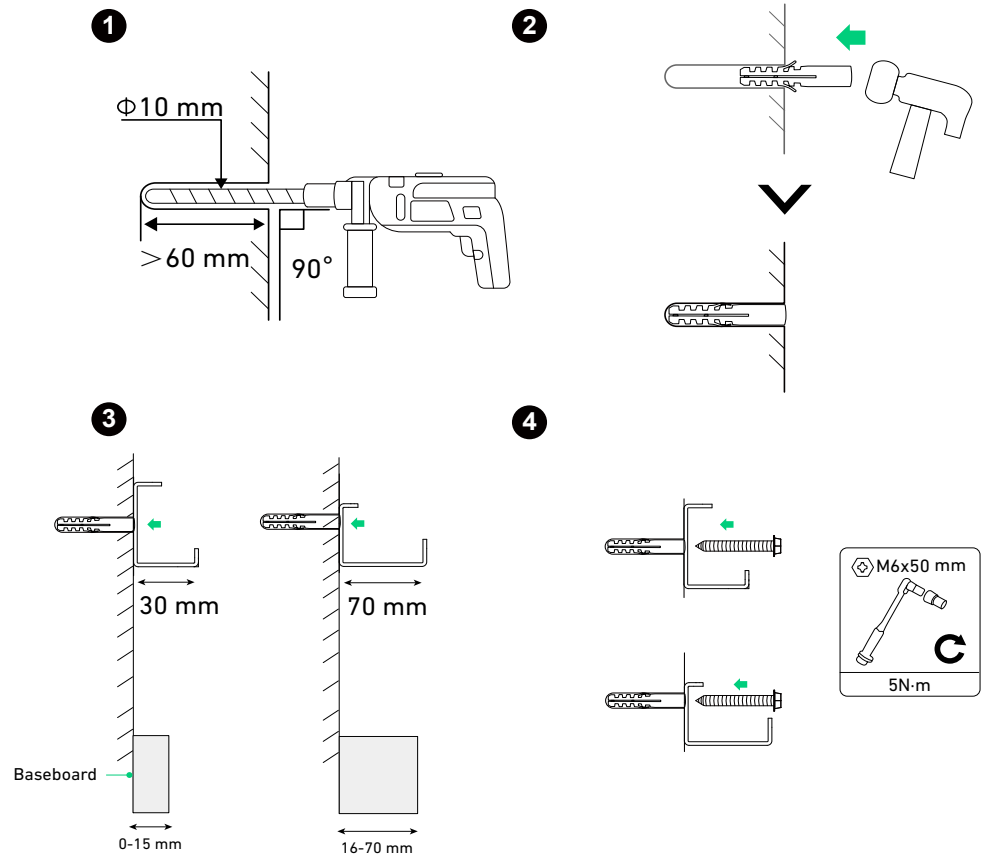
Step 3: Attach mount brackets to the wall.

1. Drill the marked pilot holes in the wall (Φ10 mm, > 60 mm deep). Make sure the drill bit is aligned with the center of each hole.
2. Insert the expansion bolts (M6×50 mm, included, with screws removed) into the pilot holes and ensure they are flush with the wall.
3. Check the baseboard and position the mount bracket properly against the wall. Align the bolts with the corresponding slots of the mount bracket. Verify that the mount bracket is level and adjust as needed.

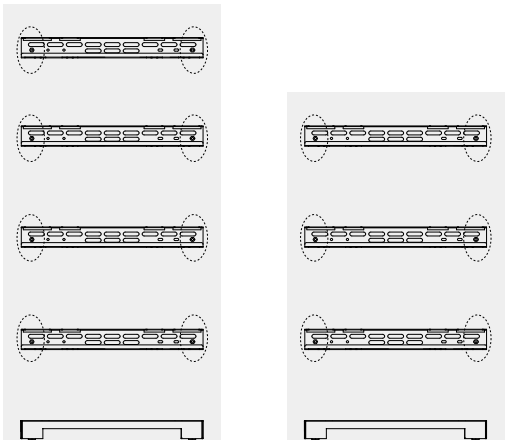
- If there is no baseboard or the baseboard is less than 15 mm thick, position the wide bar of the mount bracket against the wall.
- If the baseboard is 16–70 mm thick, position the narrow bar of the mount bracket against the wall.

4. Drill the screws (included with the expansion bolts) clockwise into the bolts to secure the mount bracket.
5. Repeat the above steps to install all of the mount brackets onto the wall.

After drilling, clear any debris that has accumulated inside or around the equipment.



5

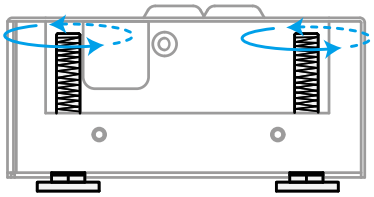


Step 4: Mount modules onto the brackets.

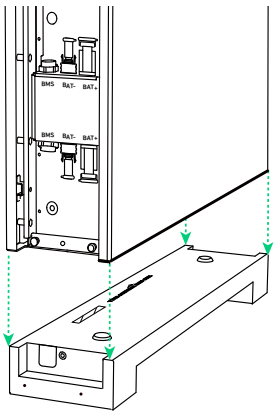
1. To ensure proper alignment, fasten the floor mounting base to the first battery module before hanging them onto the mount bracket.

- Before mounting, tighten the leveling screws to ensure that the floor mounting base is leveled horizontally.
- When securing the module interlockers, make sure that the inner edges of the floor mounting base and all the modules are aligned within a tolerance of 1 mm.

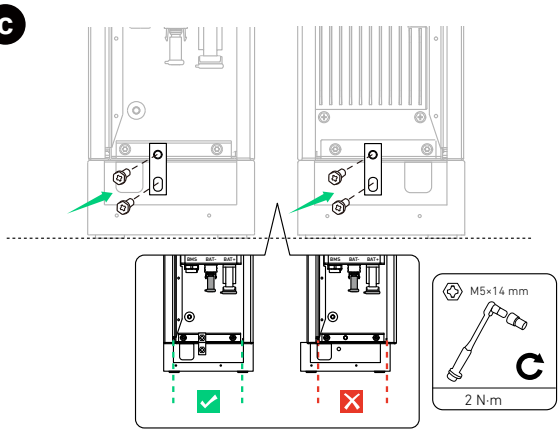
a



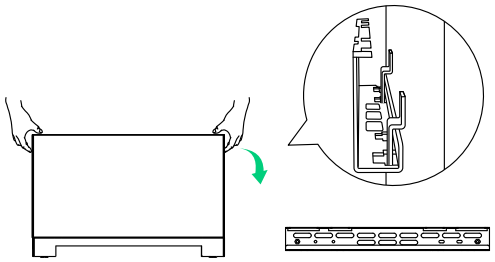
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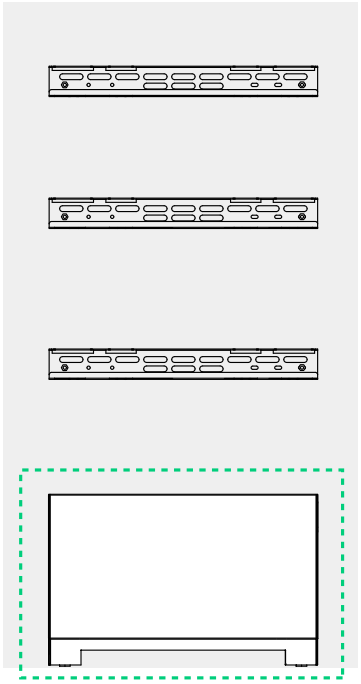
c



d



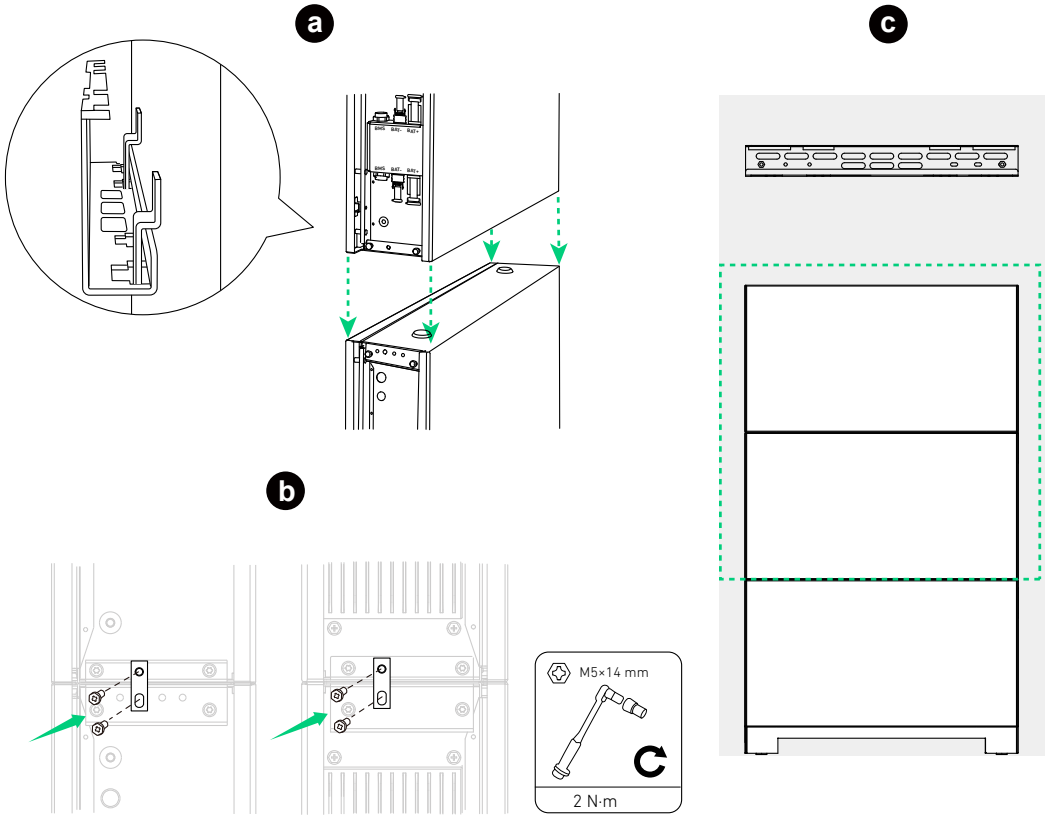
e



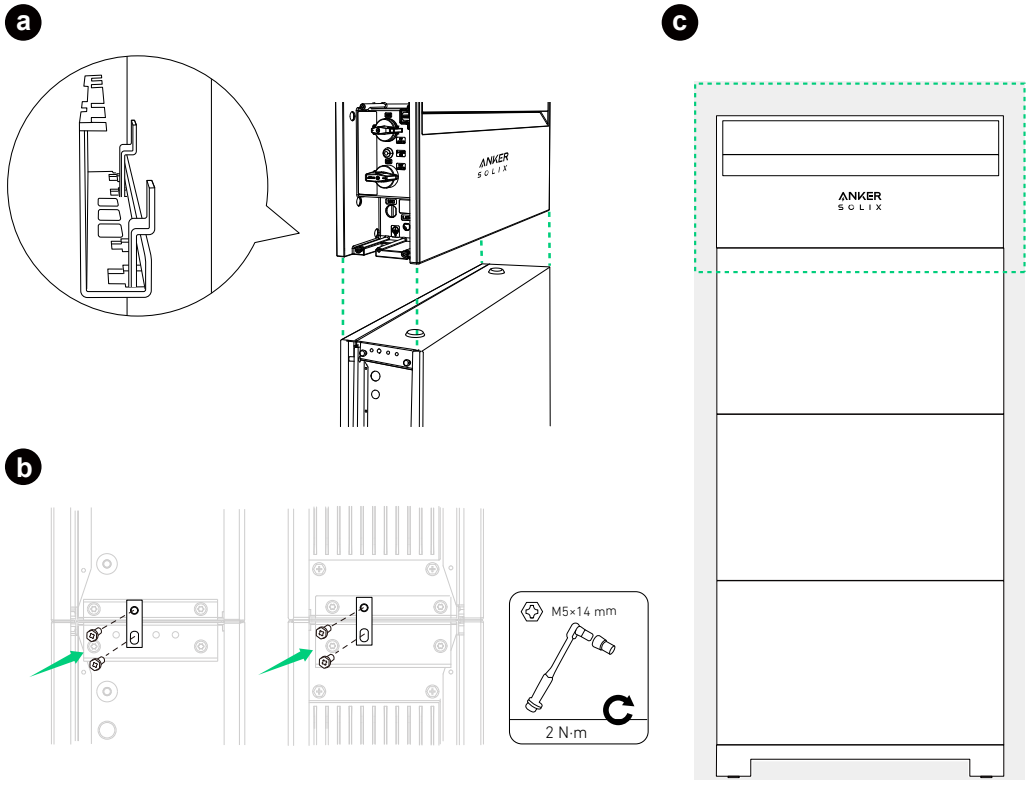
2. Mount the remaining power module and battery modules from bottom to top.

After installing a module, tighten the module interlockers using the included screws (M5×14 mm), and then mount the next module.

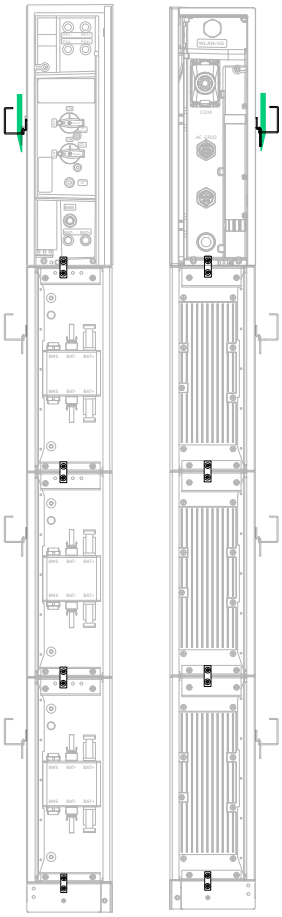
• Mount the remaining battery modules.

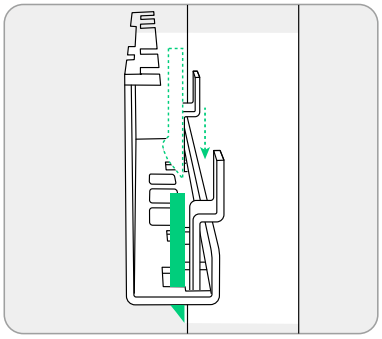


• Mount the power module.

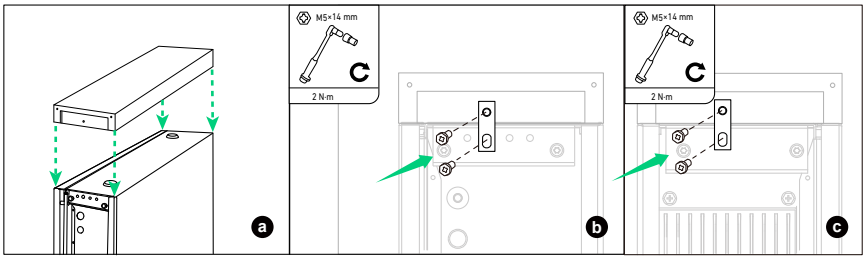


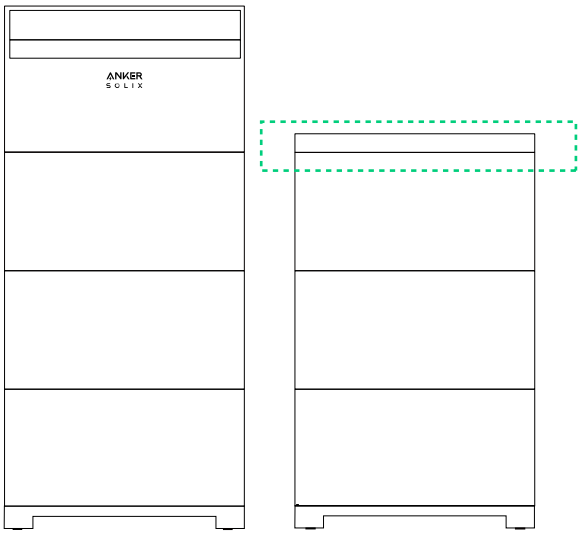
If necessary, insert the included wedge shim into the power module's mount bracket to ensure stability.





3. When adding the second column, attach the top cover to the top battery module using the screws (M5×14 mm, included).





Click here to direct to Chapter 6 Electrical Connections for instructions on electrical connections.

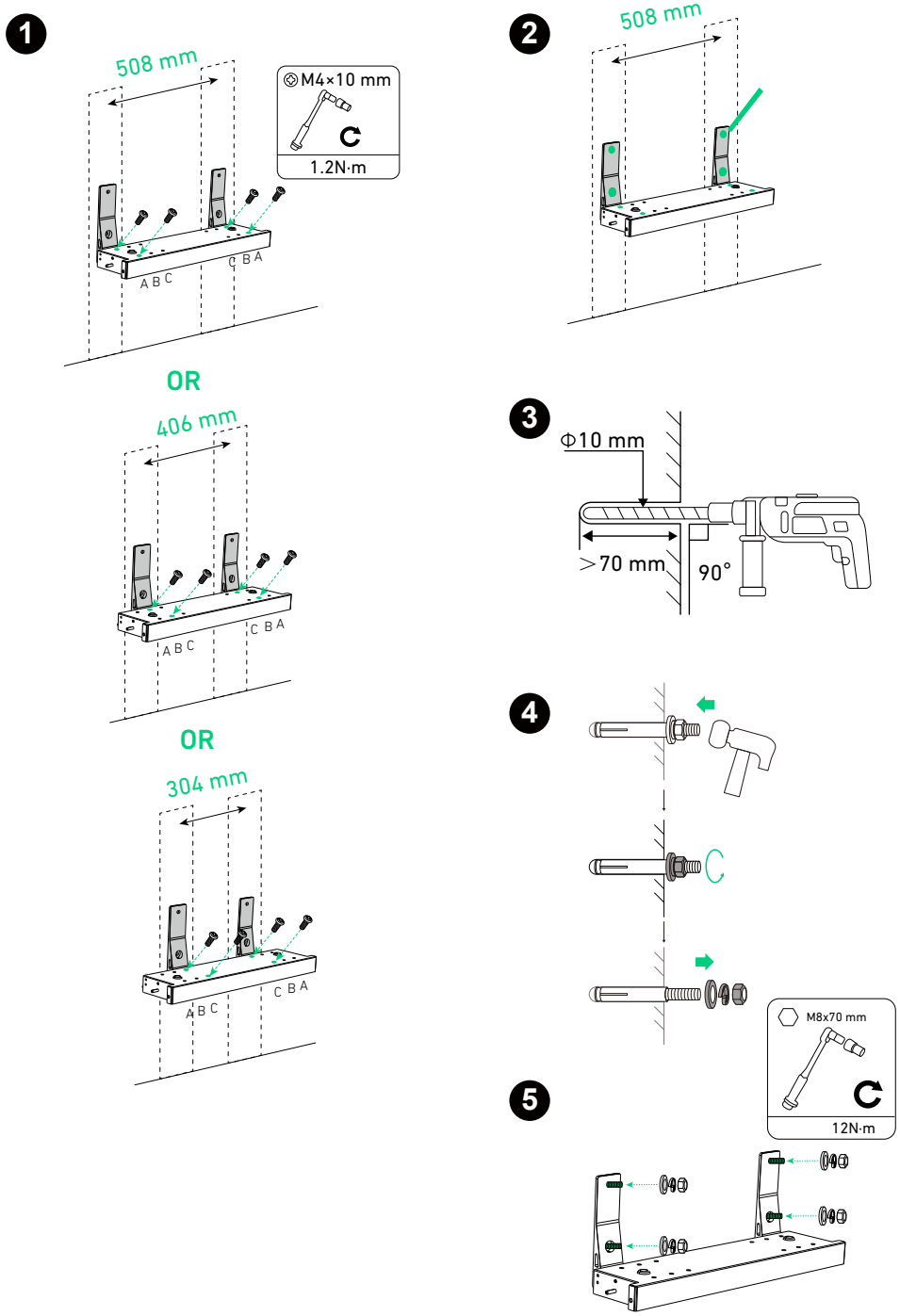
5.2 Wall Mounting

Step 1: Install the battery module base and bracket holders on the wall.

1. To secure the battery module base (for wall mounting) and bracket holders, verify the spacing, select a set of screw holes based on the wall conditions and tighten the screws (M4×10 mm, included).

- Markings are for reference only. Select position A, B, or C based on your actual installation conditions.
- If anchoring to a wall with studs, select position A for studs spaced 508 mm apart, position B for studs spaced 406 mm apart, or position C for studs spaced 304 mm apart.

2. Position the battery module base and bracket holders on the wall, ensuring that they are level, and mark four pilot holes.
3. Drill the marked pilot holes in the wall (Φ10 mm, > 70 mm deep). Make sure the drill bit is aligned with the center of the holes.
4. Insert the expansion bolts (M8×70 mm, included) into the pilot holes and remove the washers and nuts.
5. Align the bolts with the corresponding screw holes of the bracket holders and screw the washers and nuts into the bolts.

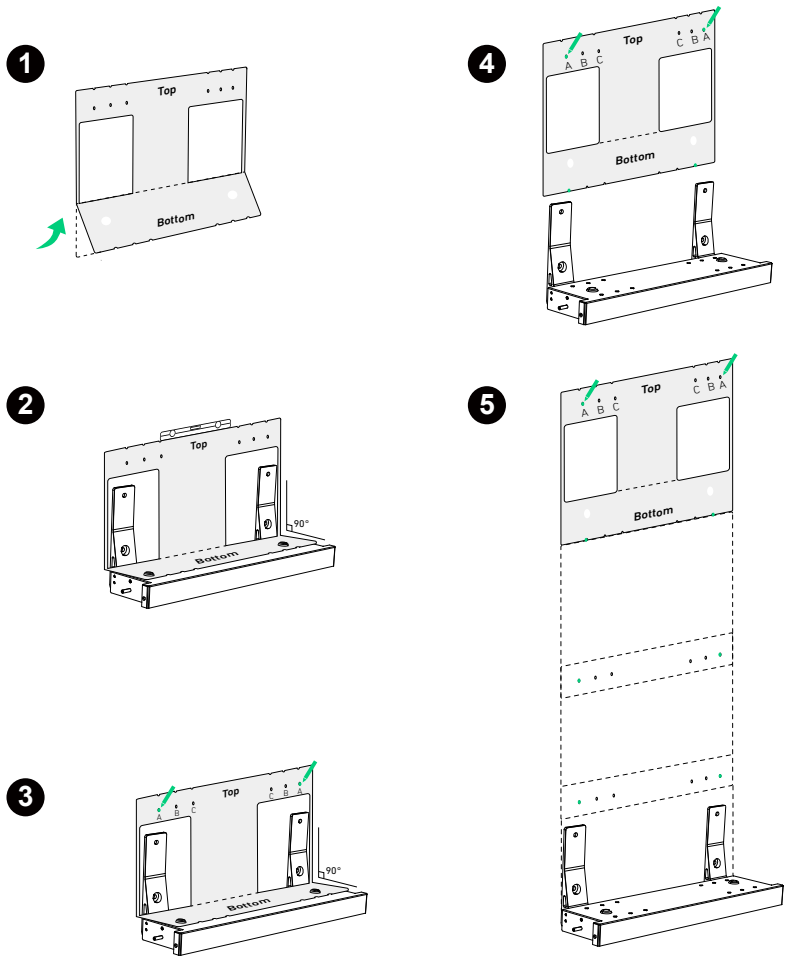


Step 2: Mark pilot holes on the wall.

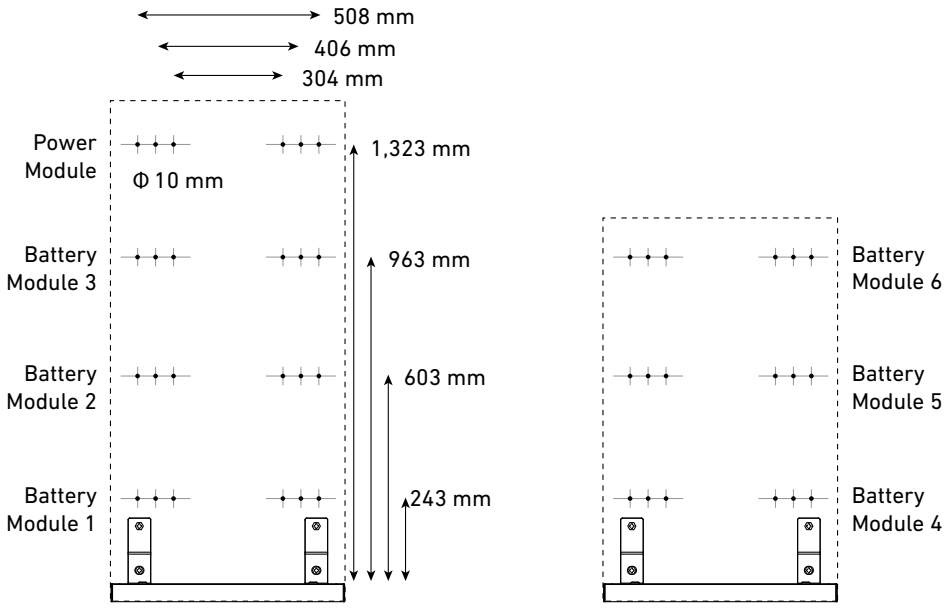
1. Fold the positioning card (included with the power module package) along the crease.
2. Align the card with the top of the battery module base and use a level to ensure it is horizontal.
3. Select and mark a hole on each side based on the wall conditions to secure the first module.

If anchoring to a wall with studs, select position A for studs spaced 508 mm apart, position B for studs spaced 406 mm apart, or position C for studs spaced 304 mm apart.

4. Unfold the positioning card and align the bottom row of holes with the marked holes. Choose and mark a hole on each side at the top for the second module.
5. Repeat the previous step to mark any remaining pilot holes as necessary.



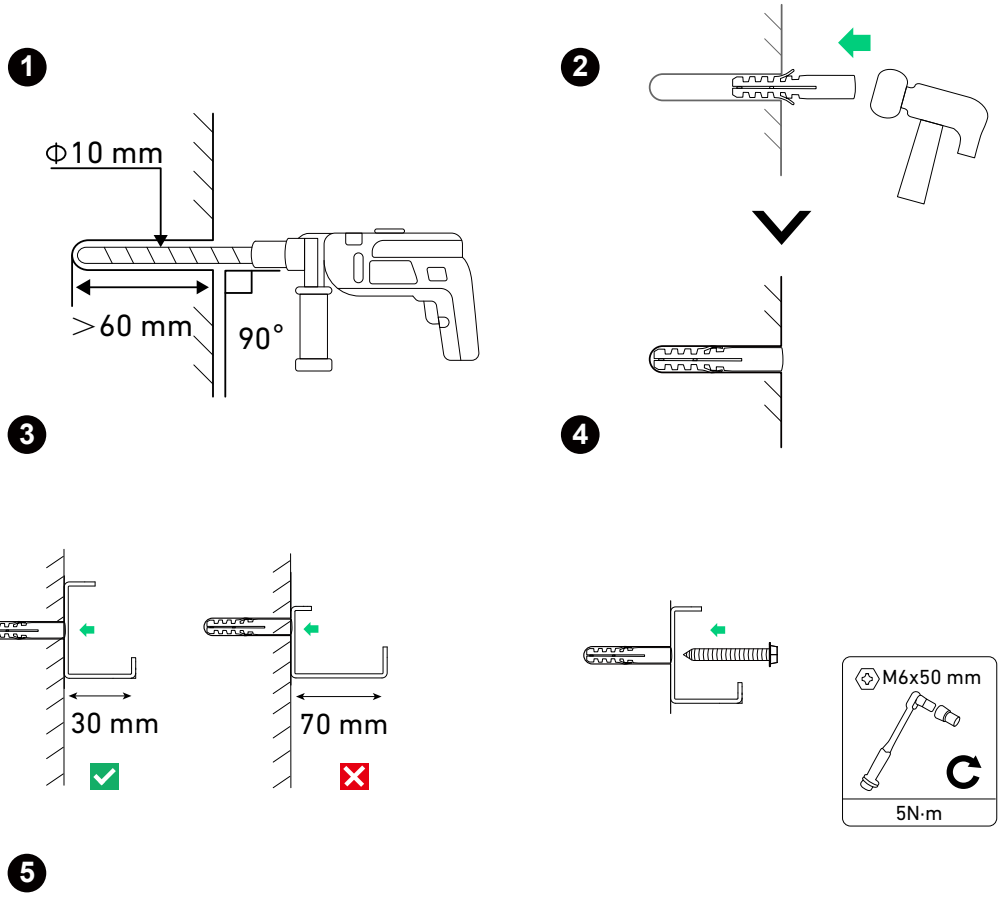
• Dimensions of pilot holes.

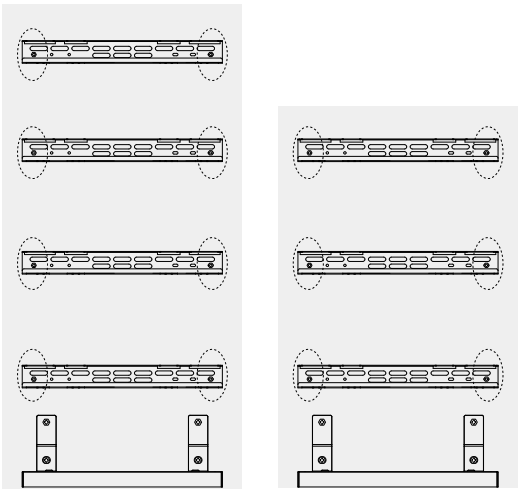


Step 3: Attach mount brackets to the wall.

1. Drill the marked pilot holes in the wall (Φ10 mm, > 60 mm deep). Make sure the drill bit is aligned with the center of the holes.
2. Insert the expansion bolts (M6×50 mm, included, with screws removed) into the pilot holes. Make sure the bolts are flush with the wall.
3. Position the wide bar of the mount bracket against the wall. Align the bolts with the corresponding slots of the mount bracket. Verify that the mount bracket is level and adjust as needed.
4. Drill the screws (included with the expansion bolts) clockwise into the bolts to secure the mount bracket.
5. Repeat the above steps to install all of the mount brackets onto the wall.

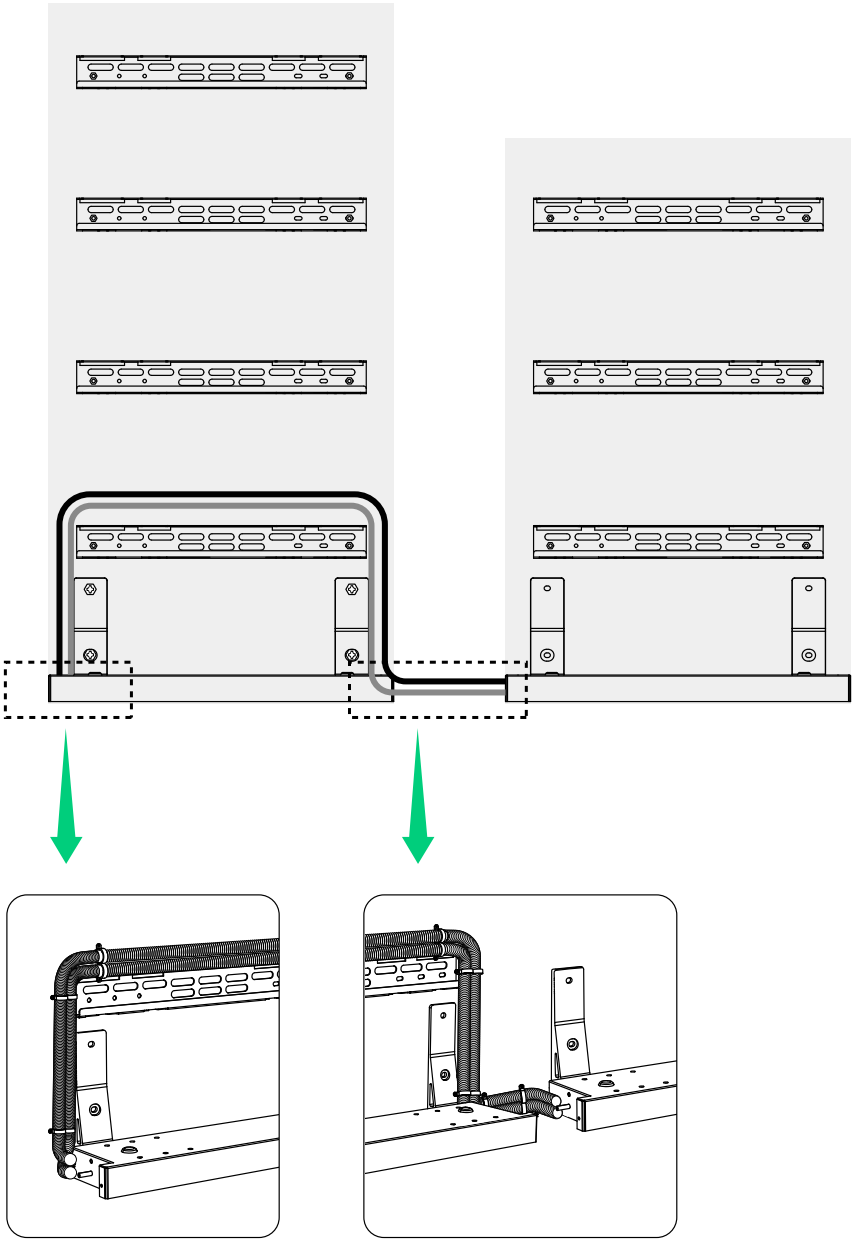
After drilling, clean up any shavings that have accumulated inside or outside the equipment.





Step 4: Install conduits between two columns.

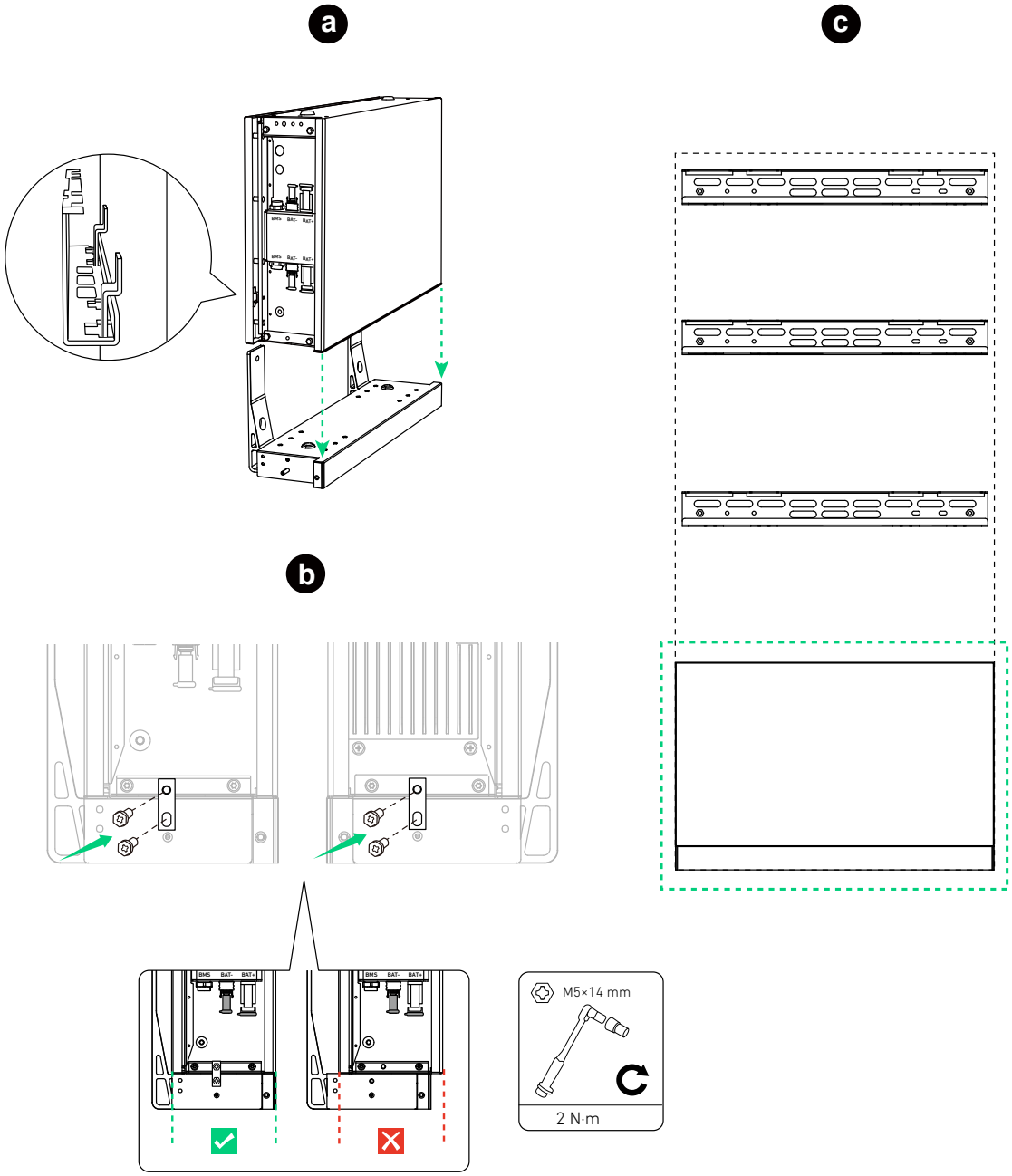
When installing two columns, run conduits from the back of the first column to the second column.



Step 5: Mount modules onto the brackets.

1. Hang the first battery module onto the mount bracket and fasten the module to the battery module base.

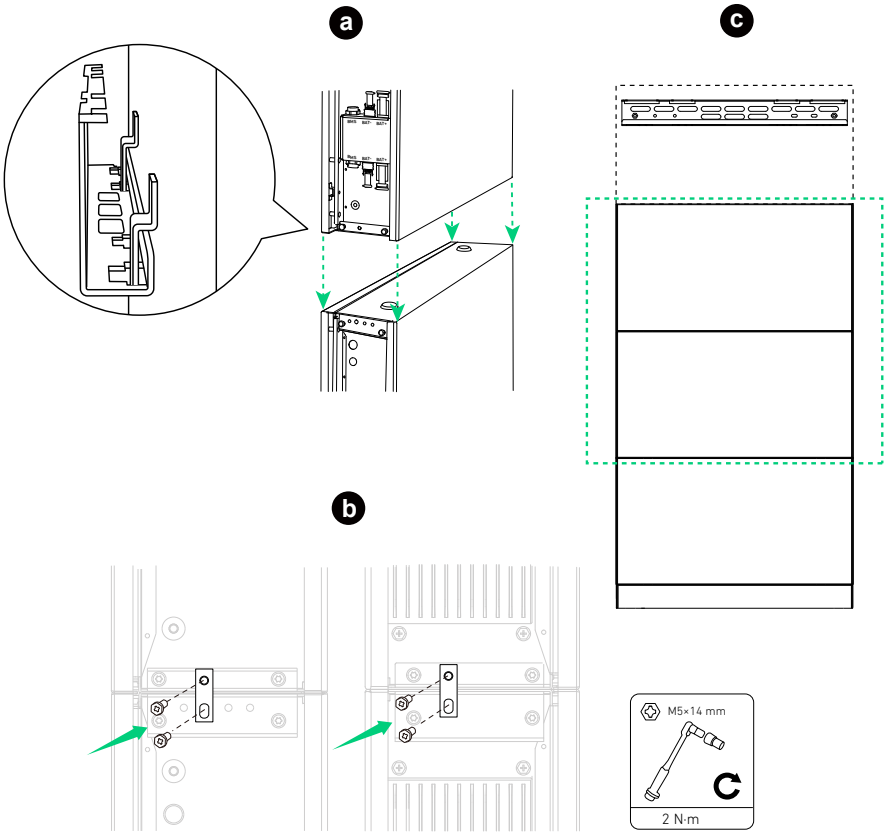
When securing the module interlockers, make sure that the inner edges of the battery module base and all the modules are aligned within a tolerance of 1 mm.



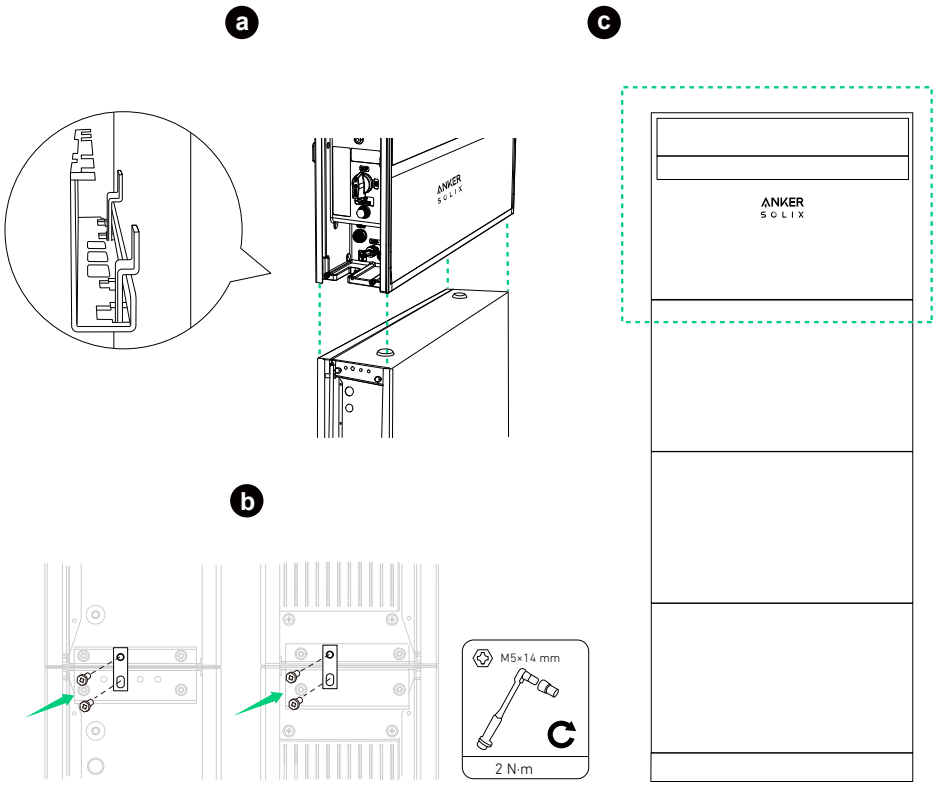
2. Mount the remaining power module and battery modules from bottom to top.

After installing a module, tighten the module interlockers using the screws (M5×14 mm, included), and then mount the next module.

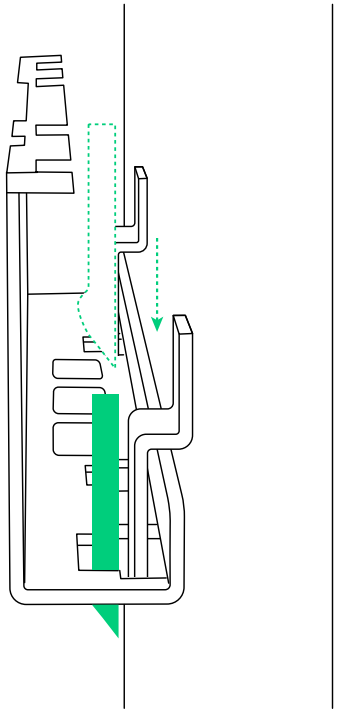
• Mount the second and third battery modules.



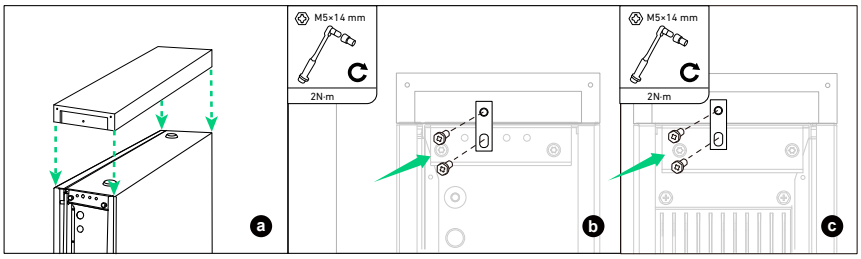
• Mount the power module.

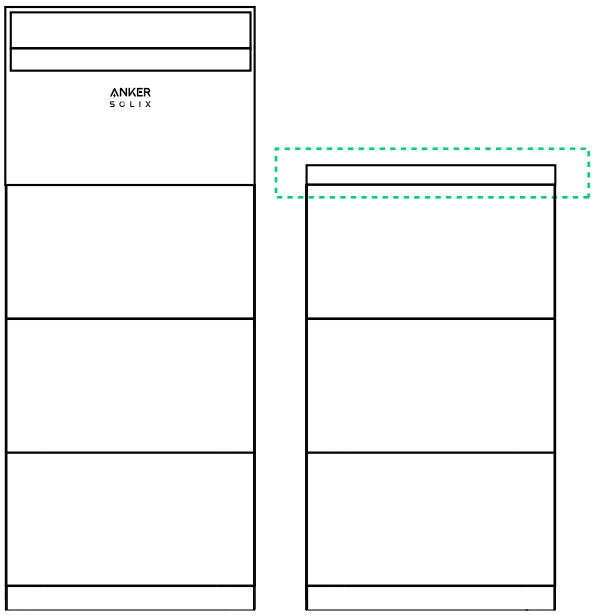


If necessary, insert the included wedge shim into the power module's mount bracket to ensure stability.



3. When adding the second column, attach the top cover to the top battery module using the screws (M5×14 mm, included).





6. Electrical Connection

The procedures describe the electrical connection of one power module and six battery modules (power module and three battery modules in the first column; another three battery modules in the second column) as an example.

Before connecting or reconnecting cables, ensure the BAT switch and the PV switch on the power module are set to OFF.

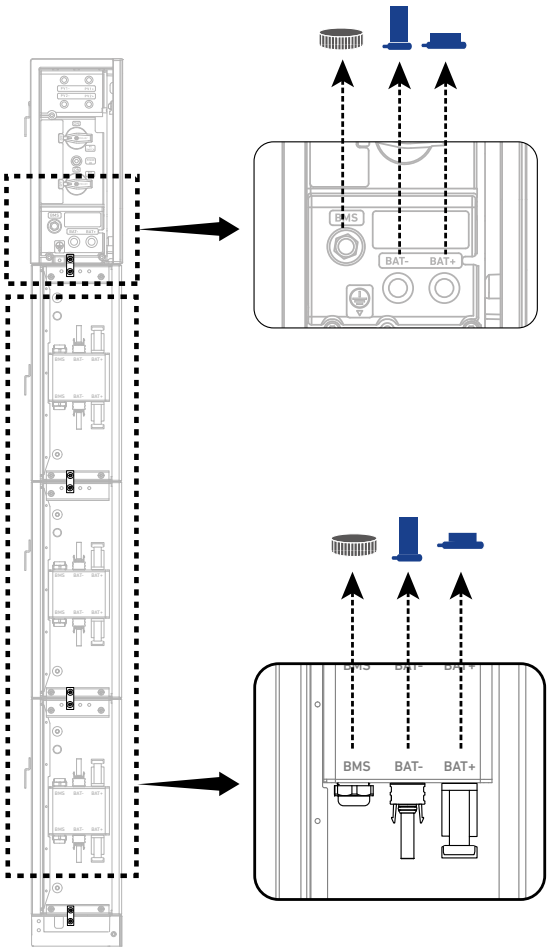
- Depending on local requirements, the wiring can be installed through conduits or cable glands.
- For the system wiring diagrams, refer to *"Appendix A. System Wiring"*.

6.1 Connect the Power Module and Battery Modules

Connect One Column of Modules

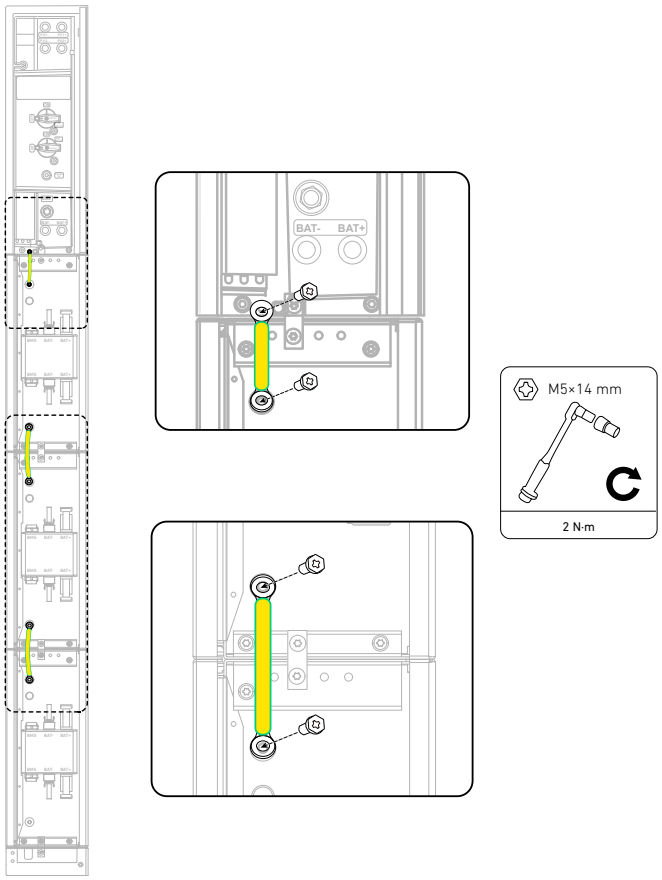
To connect one column, which consists of a power module and three battery modules in this example, follow the steps below.

1. Remove the dustproof plugs from all the modules' BMS ports and power ports (BAT+ and BAT-).



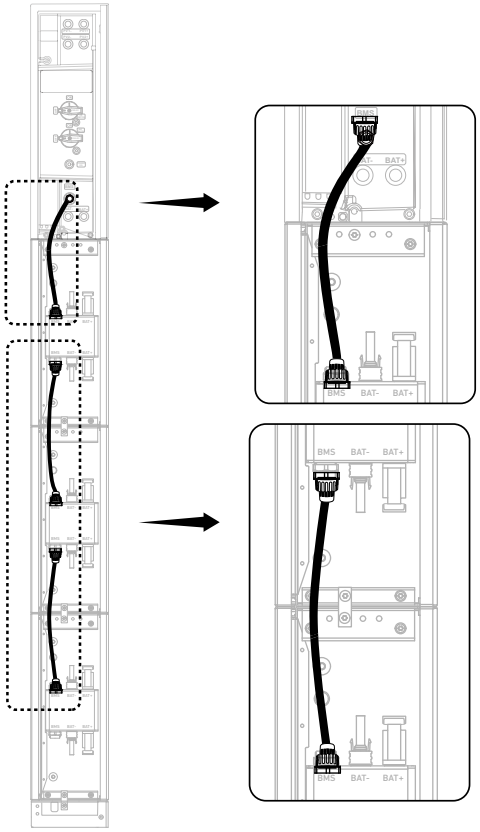
2. Connect the GND cables between the modules.

Connect a GND cable (6 mm^2, yellow/green, included) to the internal ground ports of each two vertically adjacent modules, and secure the cables using the screws (M5×14 mm, included).



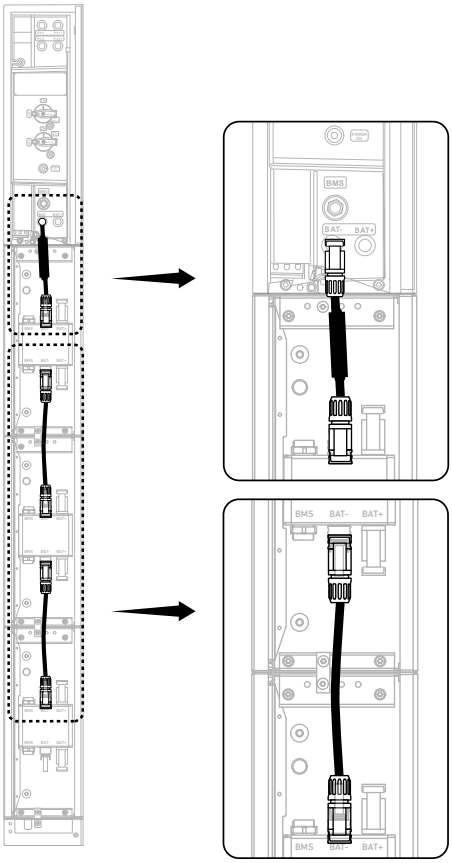
3. Connect the RJ45 signal cables between the modules.

Connect an RJ45 signal cable (black, included) to the BMS ports of each two vertically adjacent modules. To do this, loosen the locking caps, insert the cable into the BMS ports, and rotate the locking caps to secure.



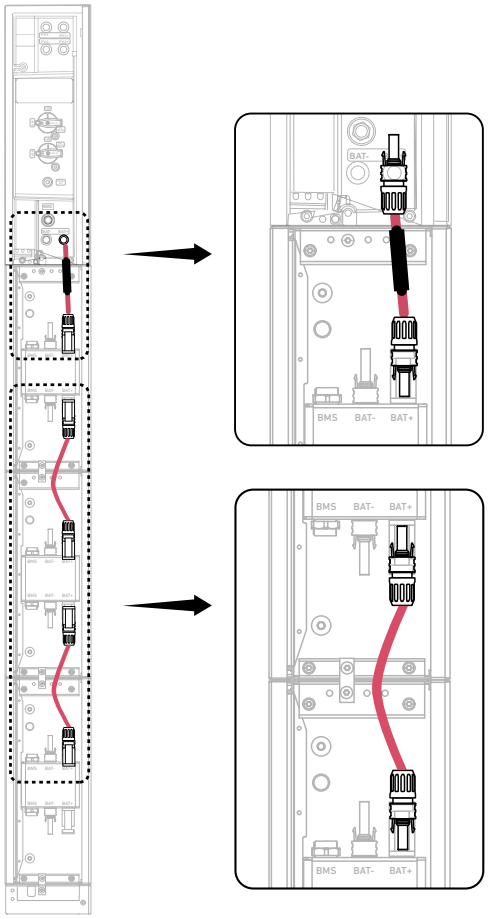
4. Connect the negative DC power cables between the modules.

Connect a negative DC power cable (black, included) to the BAT- ports of each two vertically adjacent modules.

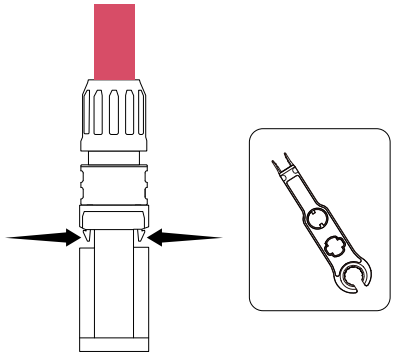


5. Connect the positive DC power cables between the modules.

Connect a positive DC power cable (red, included) to the BAT+ ports of each two vertically adjacent modules.



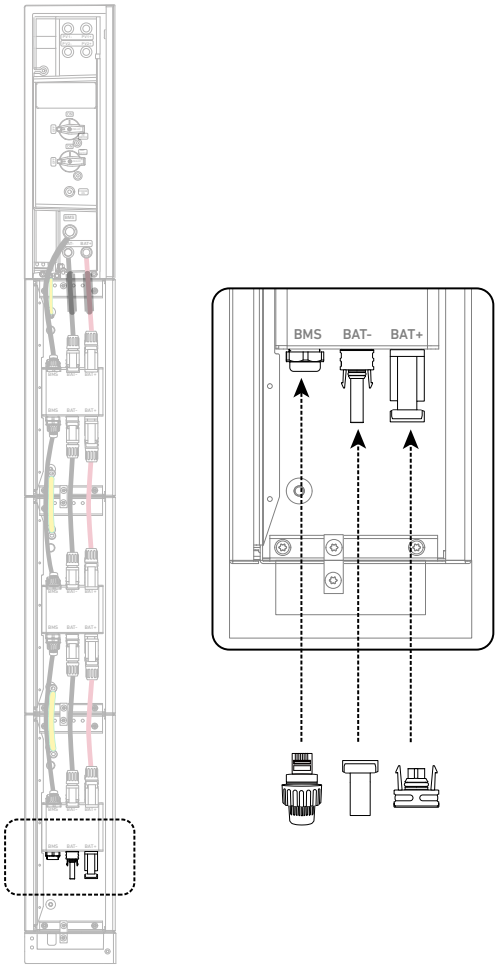
Use a disassembly tool (not included) to remove the connected DC power cables.



6. Seal unused ports.

Skip this step if there are two columns of modules.

On the bottom battery module, insert an RJ45 connector (with 2×120Ω terminating resistors, included) into the BMS port, a female dustproof cap (included) into the negative DC power port (BAT-), and a male dustproof cap (included) into the positive DC power port (BAT+).



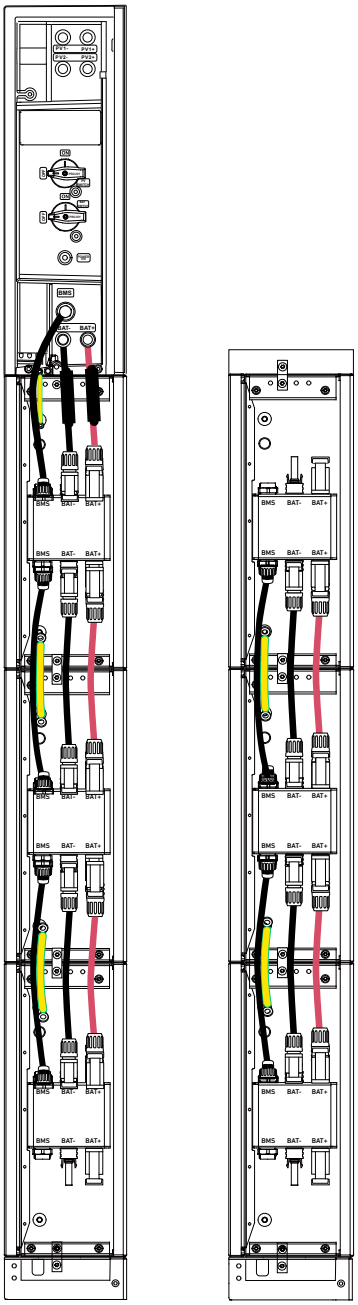
Connect Two Columns (Side by Side)

*Click here to view instructions for connecting two columns (front and back) with the floor bridge base.

To connect two columns side by side, which consist of a power module and six battery modules in this example, follow the steps below.

1. Connect the GND, RJ45 signal, and DC power cables between vertically adjacent modules.

Refer to the Connect One Column of Modules section for detailed instructions.



2. Connect cables between the bottom modules.

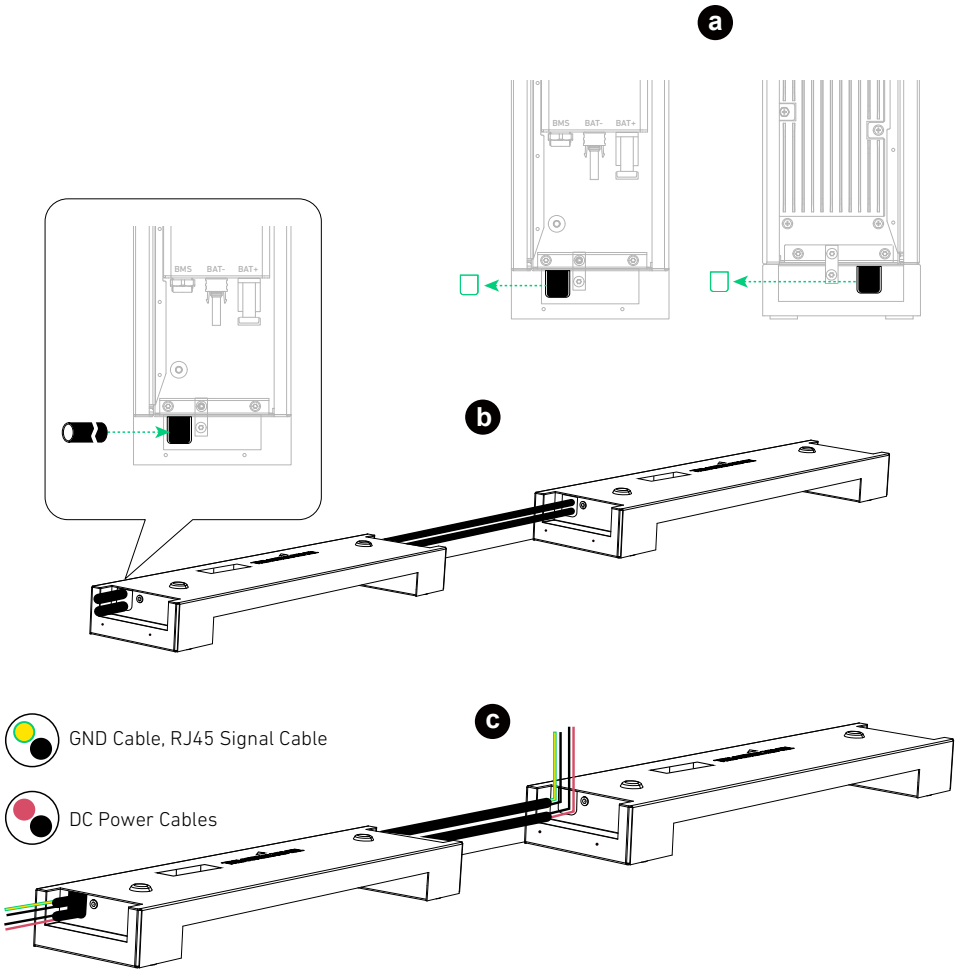
① Thread cables through conduits.

Floor-Mounted Modules Side by Side

a. Remove the cable knockouts from the floor mounting base in the first column.

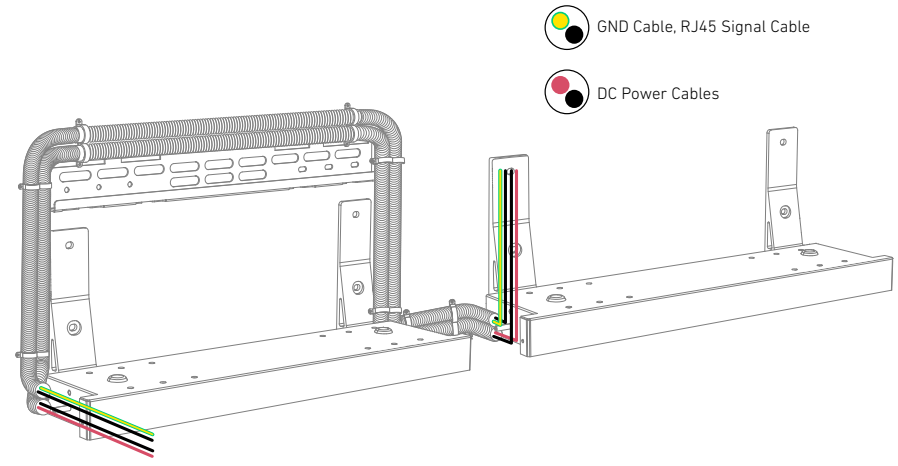
b. Insert a cable conduit (DN25, not included) into each opening.

c. Thread a GND cable (6 mm^2, not included) and a signal cable (Cat 5 or higher, 5-6 mm in diameter, not included, shielding recommended) through the cable conduit near the wall. Thread a positive DC power cable (6/8/10 mm^2, not included) and a negative DC power cable (6/8/10 mm^2, not included) through the outward cable conduit.



Wall-Mounted Modules

Thread a GND cable (6 mm^2, not included) and a signal cable (Cat 5 or higher, 5-6 mm in diameter, not included, shielding recommended) through the upper conduit. Thread a positive DC power cable (6/8/10 mm^2, not included) and a negative DC power cable (6/8/10 mm^2, not included) through the lower conduit.



② Assemble the GND cable and RJ45 signal cable.

To assemble the GND cable:

a. Strip the insulation layers from both ends.

b. Insert the heat shrink tubing (included) and ring terminals (included).

c. Crimp the ring terminals onto the GND cable.

d. Wrap the crimping area with the heat shrink tubing using a heat gun.

To assemble the RJ45 signal cable:

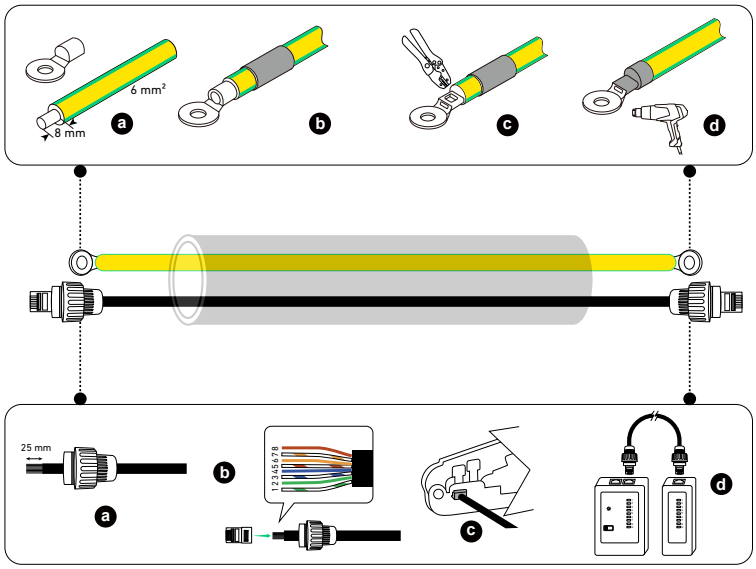
a. Insert the signal cable into the RJ45 cable glands and strip the insulation layers from both ends.

b. Insert the wires into the RJ45 connectors (included) in the order below.

From Bottom to Top (Clip Faces Away)								
Pin	1	2	3	4	5	6	7	8
Wire Color	White / Green	Green	White / Blue	Blue	White / Brown	Orange	White / Orange	Brown

c. Crimp the RJ45 connectors using the RJ45 crimping tool.

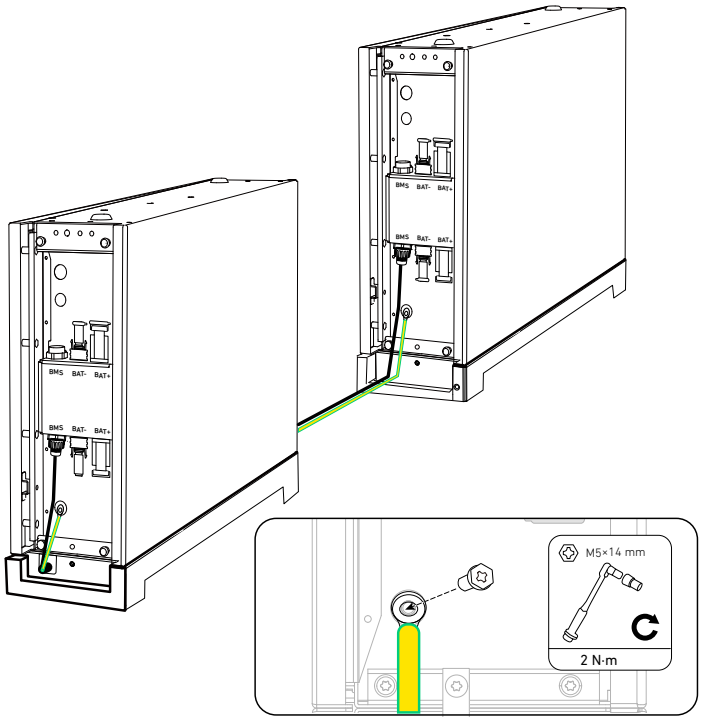
d. Use a cable tester to verify proper wiring and continuity.



③ Install the GND cable and RJ45 signal cable.

On the bottom battery modules in both columns, connect the GND cable to the ground points and the RJ45 signal cable to the BMS ports.

- The length of signal cable between two battery modules must not exceed 6 metres.



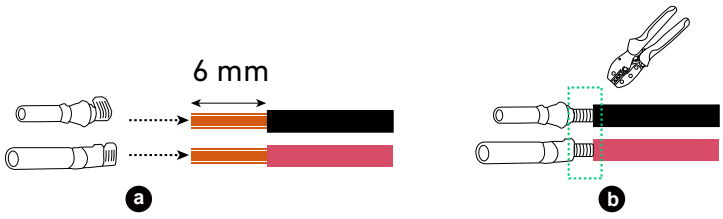
④ Assemble the positive and negative DC power cables.

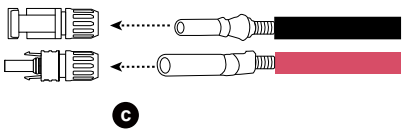
a. Strip the insulation layers from both ends.

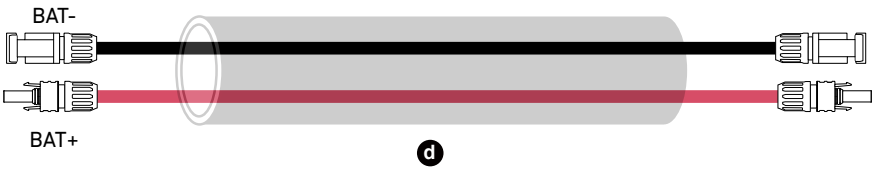
b. Crimp the positive and negative metal terminals (included) onto the corresponding cables. Make sure the terminals are securely attached and cannot be pulled out.

c. Insert the positive and negative metal terminals into the corresponding DC power connectors (included). You should hear a click when they are properly connected.

d. Tighten the locking nuts to secure the connection.

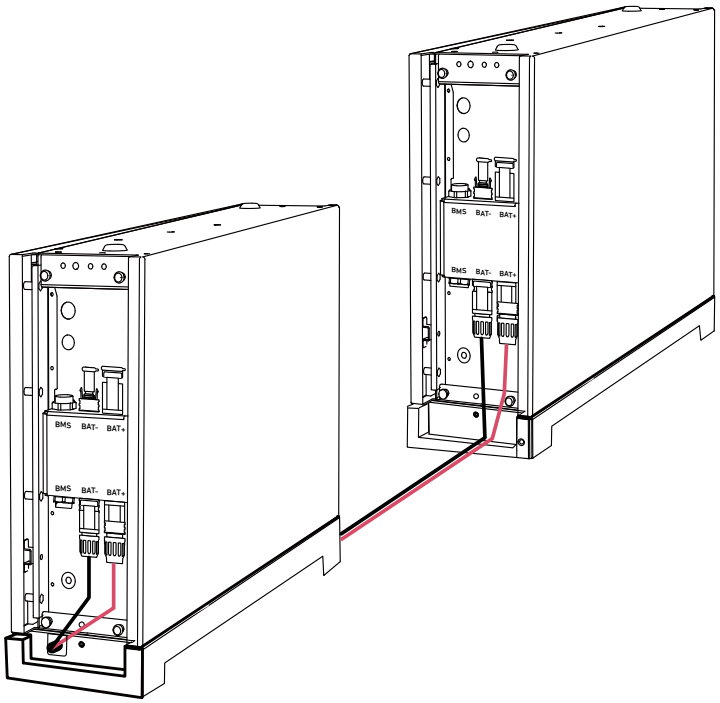






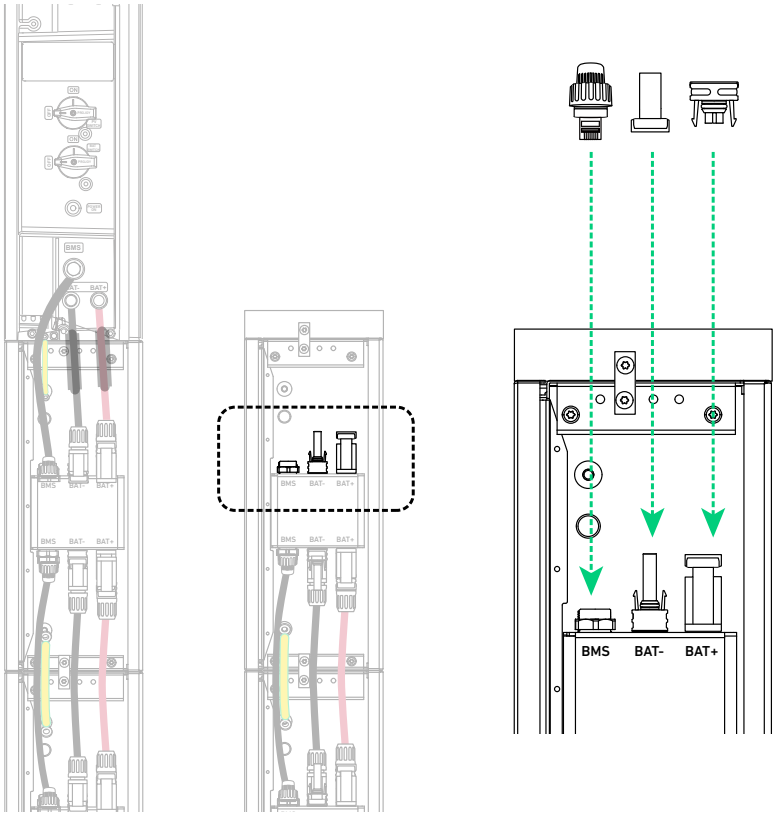
⑤ Install the positive and negative DC power cables.

On the bottom battery modules in both columns, connect the negative DC power cables to the negative power ports (BAT-) and the positive DC power cables to the positive power ports (BAT+).



3. Seal unused ports.

On the top battery module in the second column, insert an RJ45 connector (with 2×120Ω terminating resistor, included) into the BMS port, a female dustproof cap (included) into the negative DC power port (BAT-), and a male dustproof cap (included) into the positive DC power port (BAT+).



6.2 Connect to the External Ground

Connect a GND cable from the power module to the external ground point.

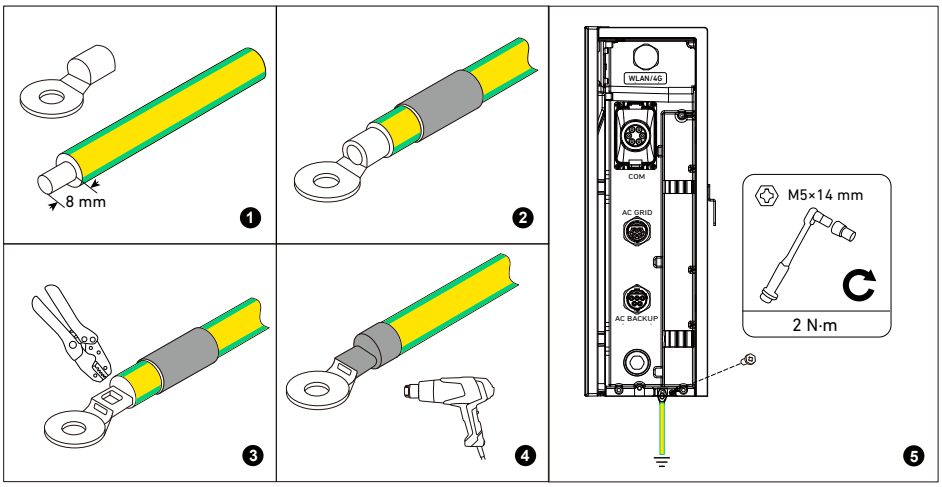
① Strip the insulation layer of a GND cable (6 mm^2, not included).

② Insert a heat shrink tubing (included) and a ring terminal (included) into the GND cable.

③ Crimp the ring terminal onto the GND cable.

④ Wrap the wire crimping area with the heat shrink tubing using a heat gun.

⑤ On the right side of the power module, connect the GND cable to the external ground port and secure the GND cable's ring terminal using the screw (M5×14 mm, included).



6.3 Connect to PV Panels

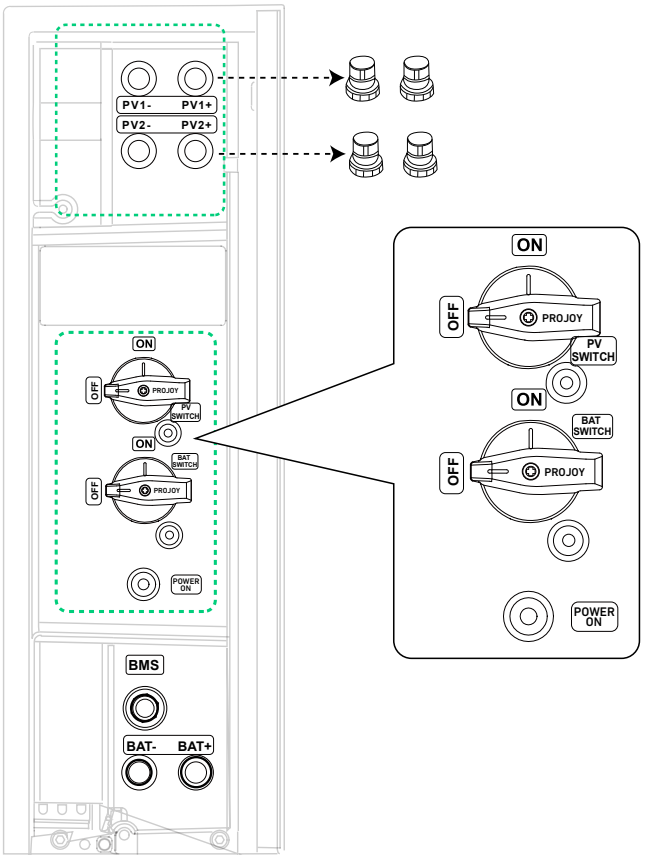
Always switch OFF the BAT switch and the PV switch before connecting or reconnecting the PV panels.

- The power module can receive inputs from up to two PV strings.
- We recommend using PV cables with a conductor cross section of 4 to 6 mm^2 and an outer diameter of 5.5 to 7.5 mm.
- Ensure that the PV cables have been connected to the PV panels.
- Ensure that the PV input does not exceed the specified limits.
- At altitudes between 3,000m and 4,000m, the PV system's output will decrease and the voltage will drop from 1,000V to 950V. When installing at altitudes above 3,000m, installers must ensure that the PV system does not exceed 950V.

PV Input Limits	X1-H5K-T	X1-H8K-T	X1-H10K-T	X1-H12K-T
Maximum Open Circuit Voltage	1000 V	1000 V	1000 V	1000 V
Minimum Open Circuit Voltage	160 V	160 V	160 V	160 V
Maximum Short Circuit Current	20 A	20 A	20 A	20 A
Maximum Power per String	10 kW	16 kW	20 kW	24 kW

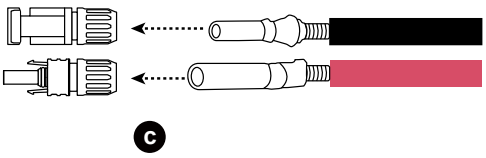
The following procedure uses connecting to one PV input as an example.

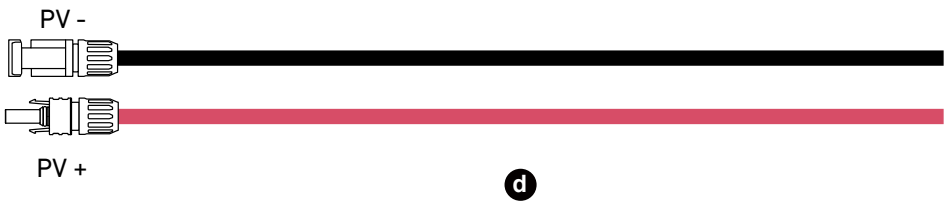
1. Turn off the PV switch and remove the dustproof plugs from one pair of PV power ports (PV1+ and PV1–, or PV2+ and PV2–).



2. Strip the insulation layers on the ends of the positive and negative PV cables (not included). Crimp the positive and negative metal terminals (included) onto the corresponding cables. Make sure the terminals are securely attached and cannot be pulled out. Insert the positive and negative metal terminals into the corresponding PV connectors (included). You should hear a click when they are properly connected. Tighten the locking nuts to secure the connection.

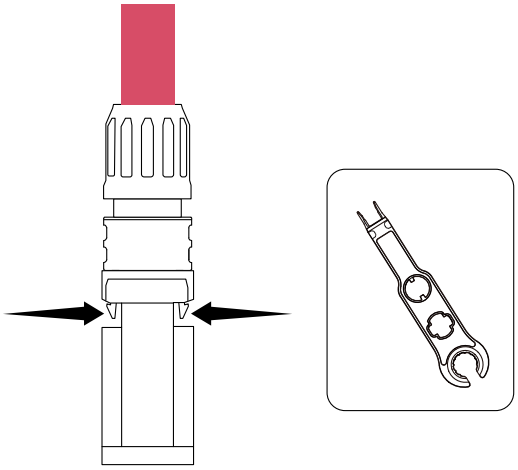






3. Connect the positive PV connector to a positive PV power port (PV1+ or PV2+) and the negative PV connector to a negative PV power port (PV1– for PV1+, or PV2– for PV2+).

Use a disassembly tool (not included) to remove the connected PV cables.



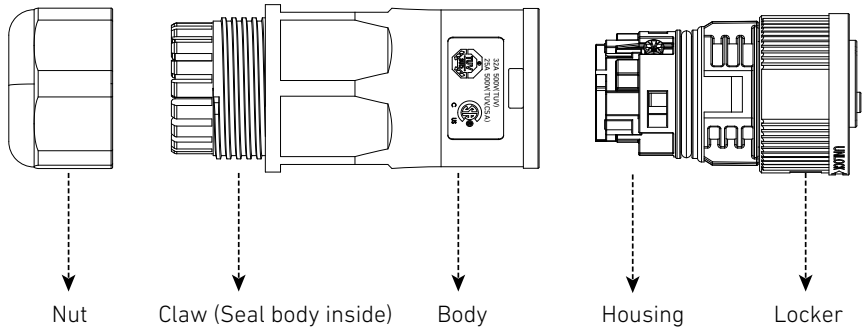
6.4 Connect to the Grid and Backup Loads

The total power of all loads connected to the Anker SOLIX X1 backup port must not exceed the inverter's rated output power. Special attention is needed for inductive loads, such as motors in air conditioners and fridges. The starting loads of such appliances must not exceed the inverter's power capacity range.

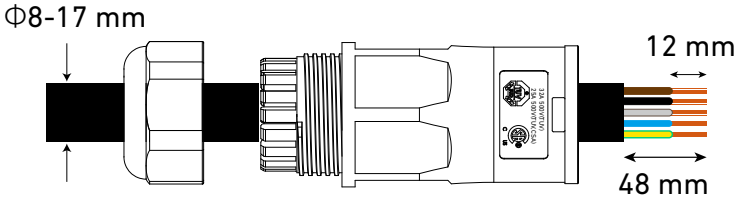
- AC power cables with 8-17 mm outer diameter and 6 mm^2 conductors are recommended.
- Ensure that the cable lengths do not exceed the maximum lengths allowed.

Cross-Sectional Area	Maximum Cable Length Allowed			
	X1-H5K-T	X1-H8K-T	X1-H10K-T	X1-H12K-T
6 mm^2 Cables	70 m	44 m	35 m	28 m

1. Disassemble the AC grid connector (female, included).

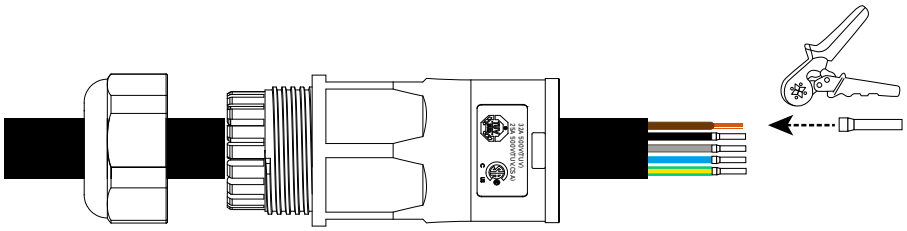


2. Route a 5-conductor AC power cable (8-17 mm in outer diameter, not included) through the nut and body. Then, strip the insulation layers from the conductors.

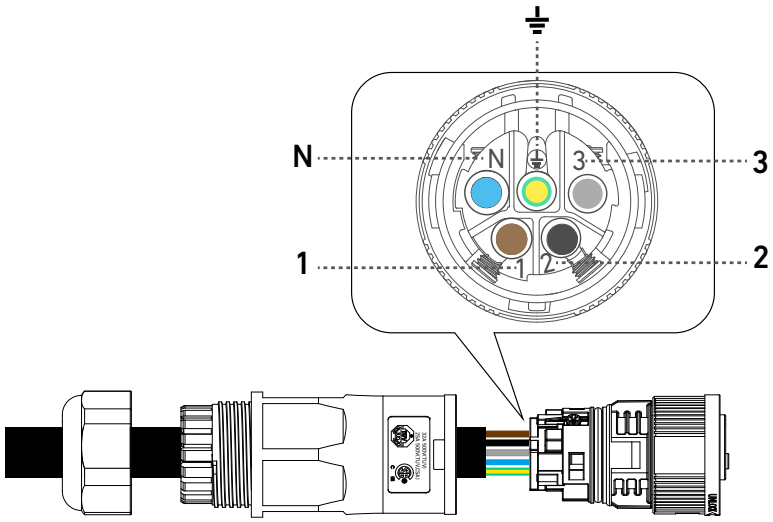


Wiring colors may vary by country or region.

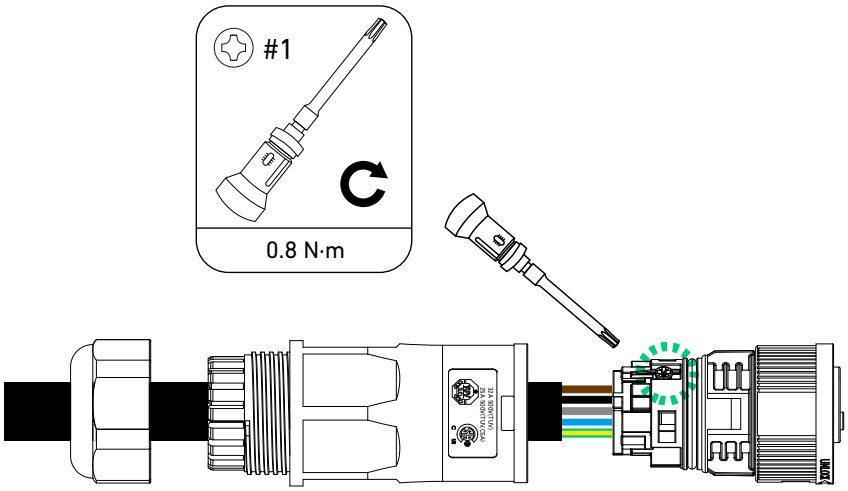
3. Insert and crimp the wire sleeve terminals (included).



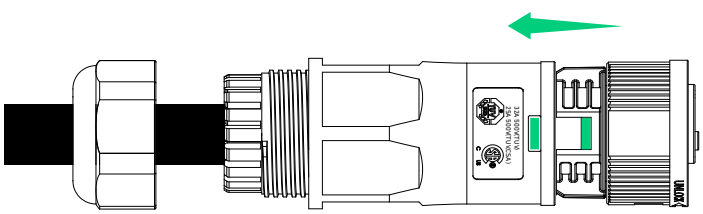
4. Connect the L1, L2, L3, neutral, and PE conductors to the sockets labelled 1, 2, 3, N, and PE respectively.



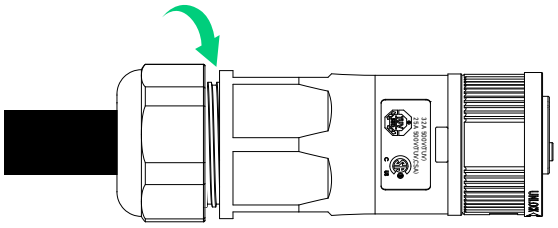
5. Tighten the three screws on the housing with a No. 1 Phillips screwdriver.



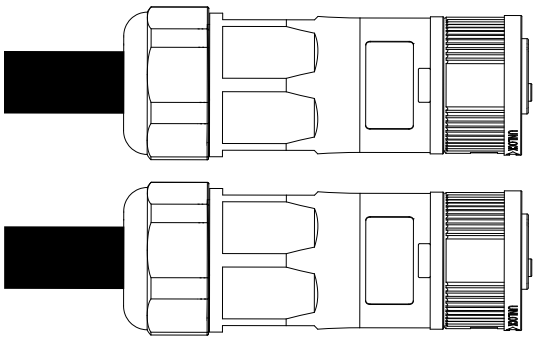
6. Align the locker and the body, and press the locker into the body until you hear a click.



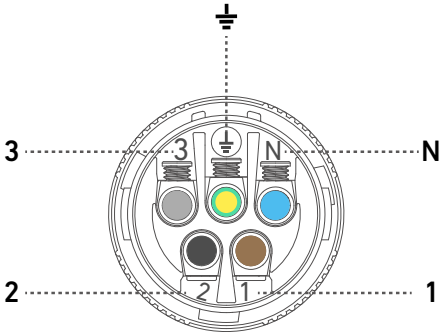
7. Tighten the nut to secure the cable.



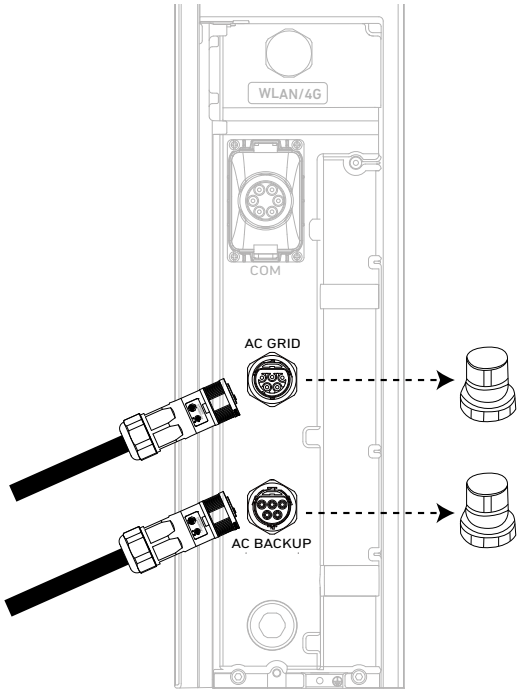
8. Repeat steps one to seven to assemble the AC backup connector (male, included).



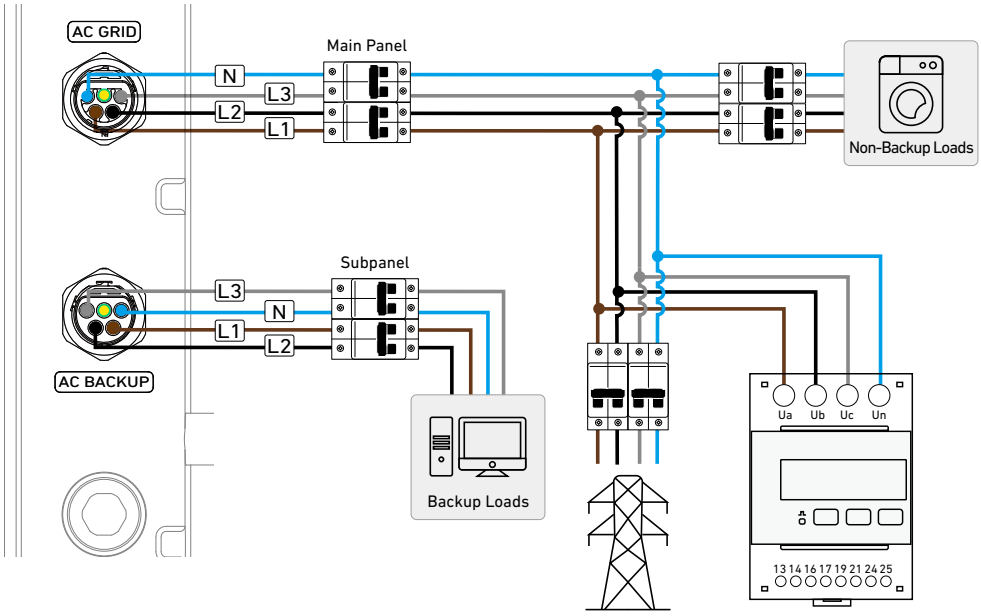
The socket labels on the housing of the AC backup connector are arranged differently from those for the AC grid connector.



9. Remove the dustproof covers from the AC power ports. Then, insert the AC grid connector (female) to the AC grid port, and insert the AC backup connector (male) to the AC backup port. Rotate the locker in the locking direction to tighten the connectors.

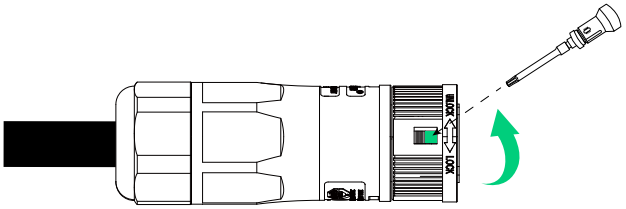


10. Connect the AC grid cable to the main panel, and the AC backup cable to the subpanel.

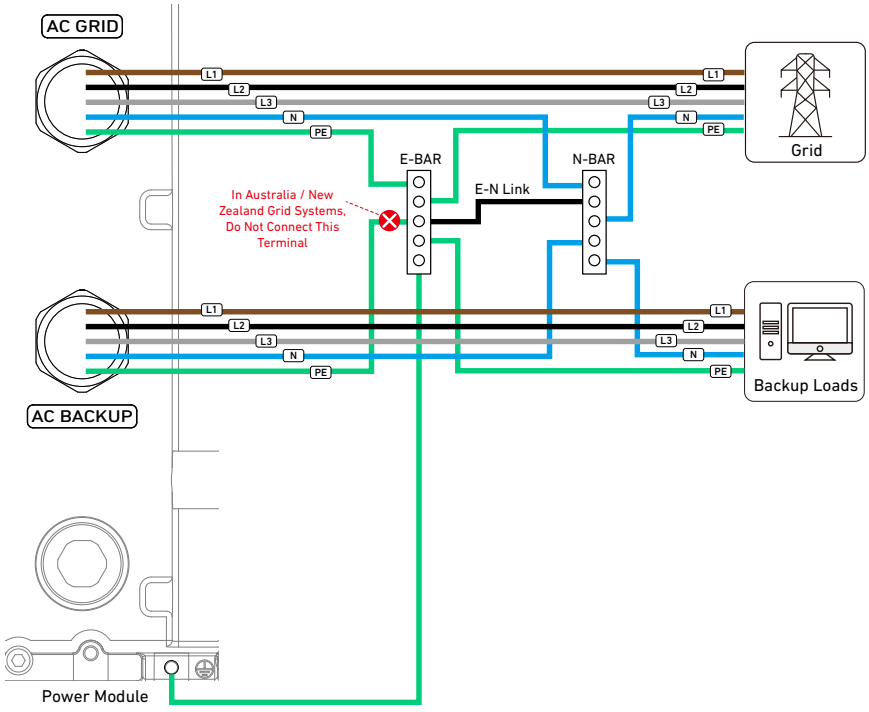


For the grid connection, we recommend the use of a C40 circuit breaker or a circuit breaker with a higher rated current in the main panel.

To remove the AC grid or AC backup connector, depress the buckle and turn the locker in the unlocking direction.



- The power module uses the AC backup port as the off-grid port, which is separate from the grid-interactive port (AC grid port).
- In Australia and New Zealand, an E-N link must be created between the neutral bar and the earth bar in the distribution box. Do not connect the PE conductor to the earth bar in the panel.



6.5 Connect to Power Sensors

Backflow Prevention Measures:

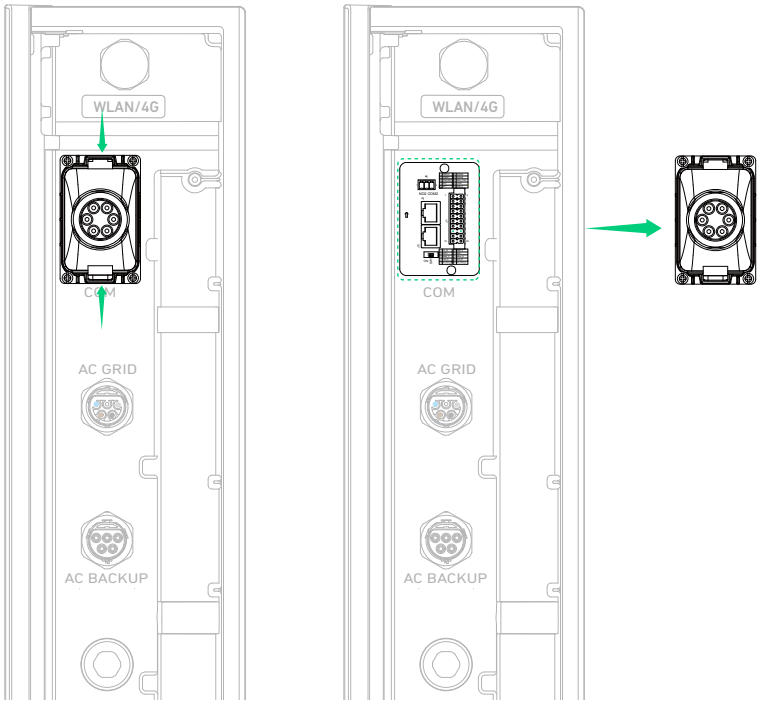
- The Anker SOLIX X1's anti-reverse flow measures include real-time power monitoring through communication between the power module and the power sensors (Models: DTSU666, DDSU666), with software and hardware interventions to prevent power from feeding back into the grid.
- Software approaches adjust discharge currents, while hardware solutions involve shutting down and disconnecting from the grid. In the event of communication failures, the power module will automatically shut down and disconnect from the grid until normal operations can be safely resumed.

Using Power Sensors:

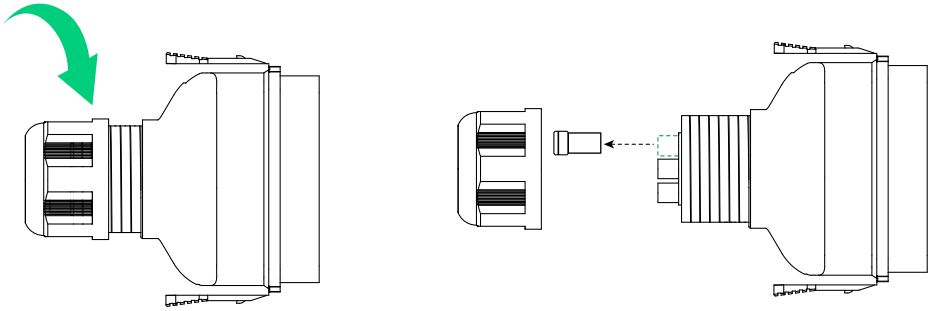
If the energy storage system is a new installation with no existing PV system, only one power sensor is required on the grid side. If the energy storage system is added to an existing PV system, two power sensors are required, one on the PV side and one on the grid side.

See Anker SOLIX X1-H(5~12)K-T Meter Wiring Diagram (AU) for an overview of meter wiring diagrams in different scenarios.

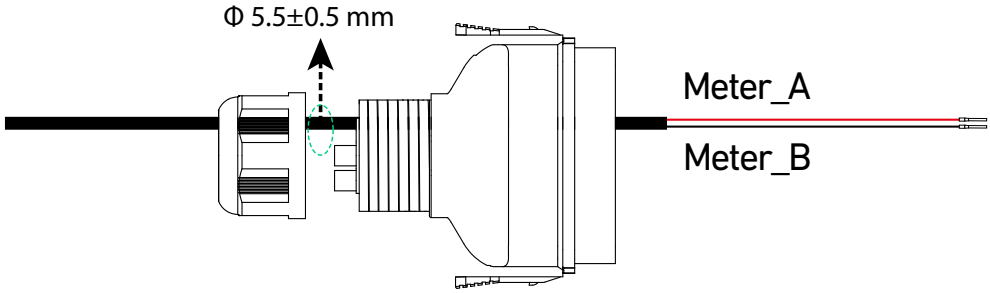
1. Remove the wiring compartment cover by pressing the clips on both sides.



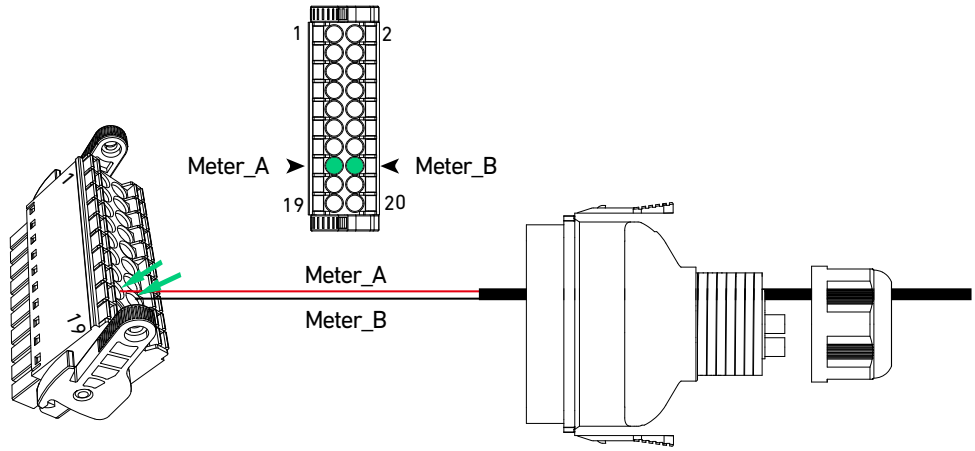
2. Rotate to remove the locking cap from the wiring compartment cover and take out a waterproof plug.



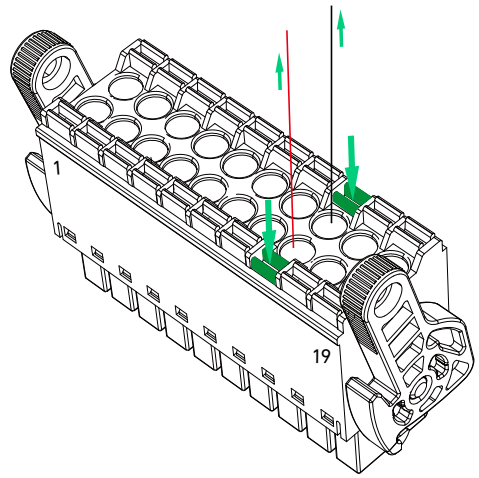
3. Route the RS485 cable through the locking cap and wiring compartment cover. Crimp one tube terminal (15 mm, included) onto the Meter_A conductor, and the other tube terminal onto the Meter_B conductor.



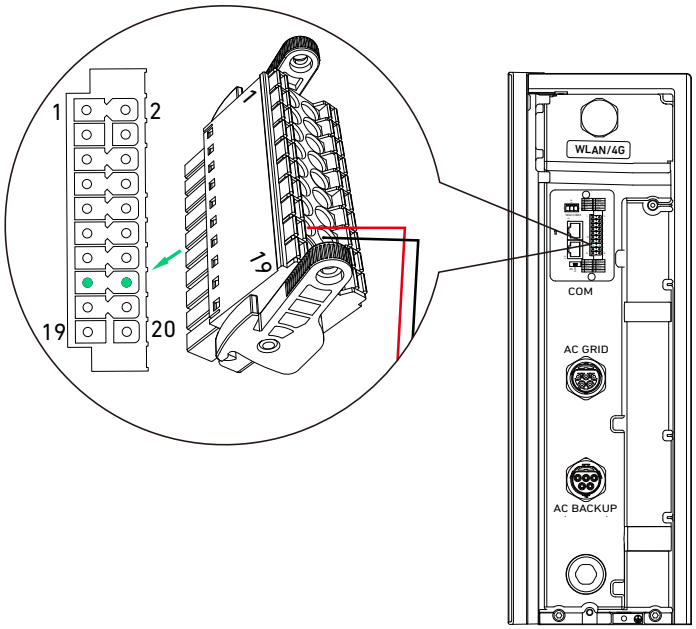
4. Insert the tube terminals into the 20-pin terminal block connector (included).



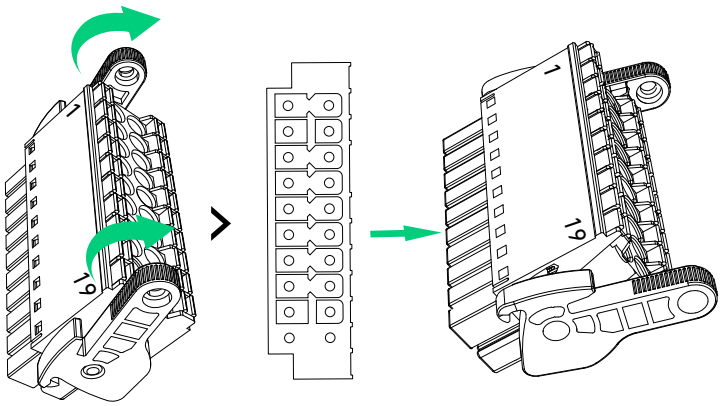
To remove the wires, depress the actuator buttons next to slots 15 and 16 and pull the wires out.



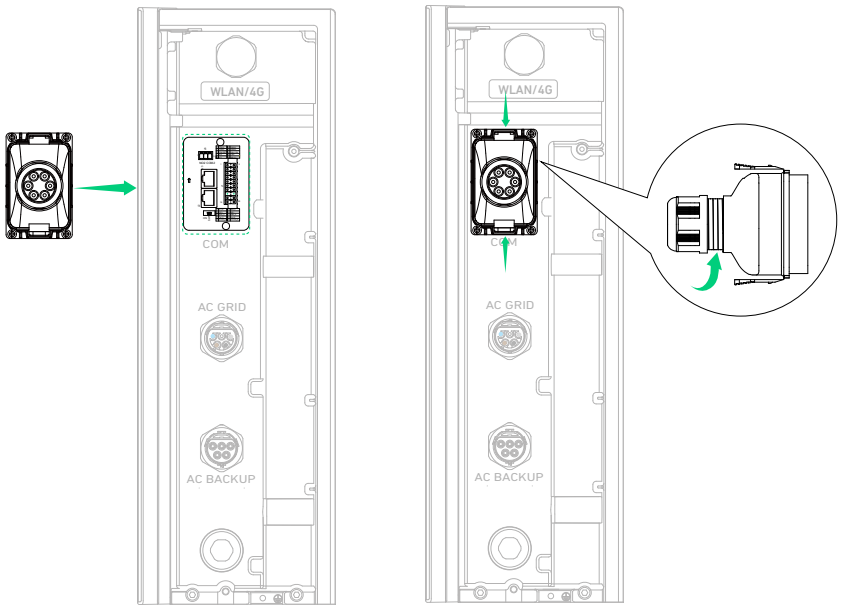
5. Plug the terminal block connector into the terminal block socket labelled J1 on the power module.



To remove the terminal block connector, turn the lever locks to loosen the connector and pull the connector out of the socket.



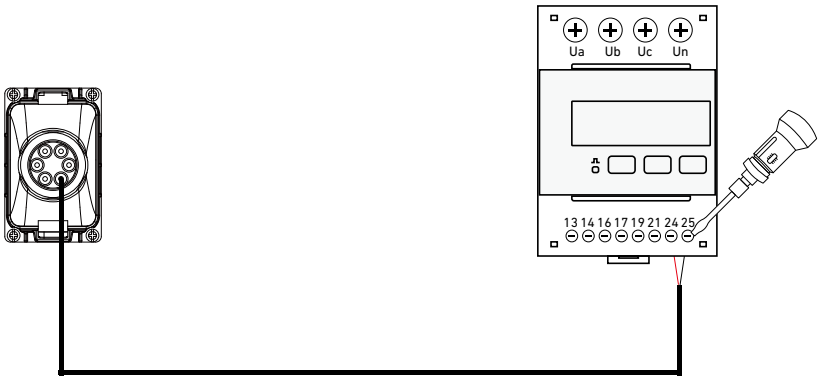
6. Insert the wiring compartment cover by pressing the clips on both sides and tighten the locking cap.



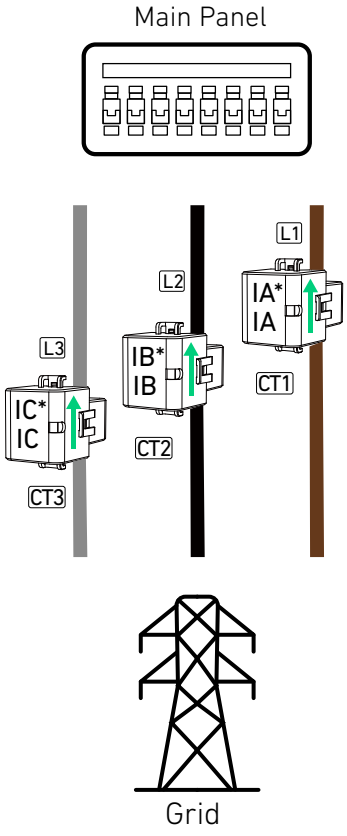
7. For installation without an existing PV system:

7.1. Insert the other ends of the Meter_A and Meter_B wires into the RS485-24-A and RS485-25-B terminals on the grid-side power sensor (Model: DTSU666, 100 A, included) and tighten the screws.

- The power sensor provided in the package can measure currents up to 100 A. If the current range exceeds 100 A, use DTSU666 (250 A) instead, which can be ordered from Anker SOLIX.
- If you are installing the power module with an existing PV system, skip this step and go to step 8.

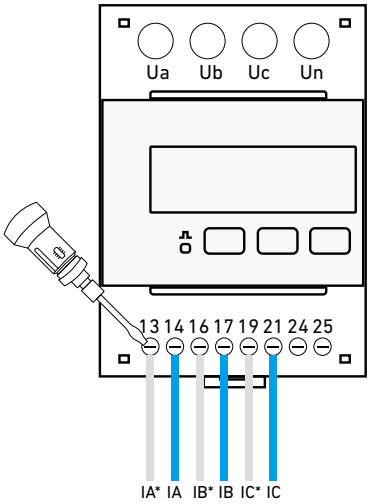


7.2. Open the current transformers (three in a set, included) and snap them respectively to the L1, L2 and L3 wires between the main panel and the grid. Make sure the current transformer labeled IA* and IA is snapped to the L1 wire, and so on. Orient the current transformers with the arrows pointing towards the power module and the main panel.



7.3. Insert the outlets of the current transformers into the appropriate terminals on the grid-side power sensor, and tighten the screws.

Current Transformer	Outlet	Terminal on Power Sensor
CT1 for L1	IA*	CT Current Input-13-IA*
	IA	CT Current Input-14-IA
CT2 for L2	IB*	CT Current Input-16-IB*
	IB	CT Current Input-17-IB
CT3 for L3	IC*	CT Current Input-19-IC*
	IC	CT Current Input-21-IC



8. For installation with an existing PV system:

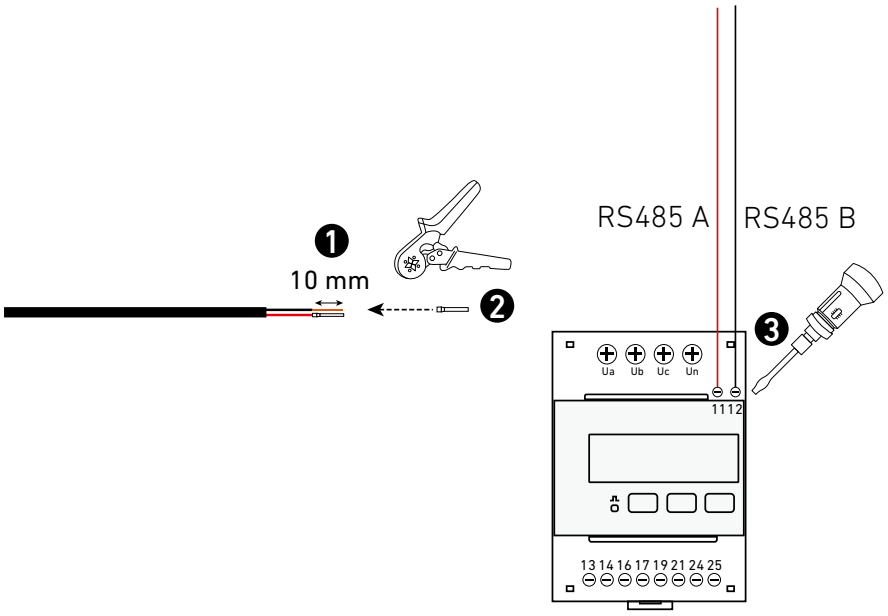
Connect the power sensor on the side of the existing PV system to the power module.

PV-Side Power Sensor:

① Prepare an RS485 cable (0.2-0.5 mm^2 in conductor cross section). Strip the insulation layers from the RS485 A and RS485 B wires.

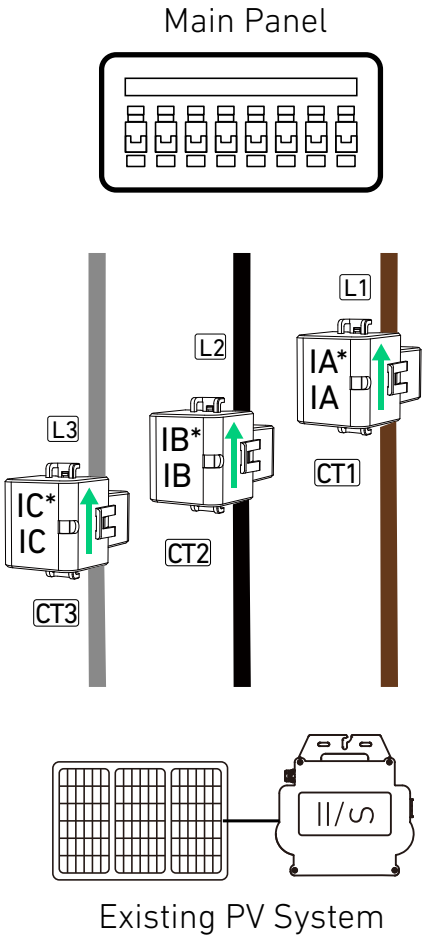
② Crimp the tube terminals (16 mm, included) onto the wires.

③ Insert the RS485 A and RS485 B wires into the RS485-11-A2 and RS485-12-B2 terminals on the PV-side power sensor (Model: DTSU666, 100 A, included) respectively and tighten the screws.



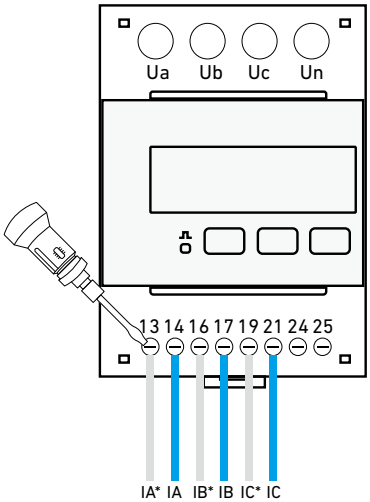
PV-Side Power Sensor

④ Open the current transformers (three in a set, included) and snap them respectively to the L1, L2 and L3 wires between the main panel and the existing PV system. Make sure the current transformer labeled IA* and IA is snapped to the L1 wire, and so on. Orient the current transformers with the arrows pointing towards the power module and the main panel.



⑤ Insert the outlets of the current transformers into the appropriate terminals on the PV-side power sensor, and tighten the screws.

Current Transformer	Outlet	Terminal on Power Sensor
CT1 for L1	IA*	CT Current Input-13-IA*
	IA	CT Current Input-14-IA
CT2 for L2	IB*	CT Current Input-16-IB*
	IB	CT Current Input-17-IB
CT3 for L3	IC*	CT Current Input-19-IC*
	IC	CT Current Input-21-IC

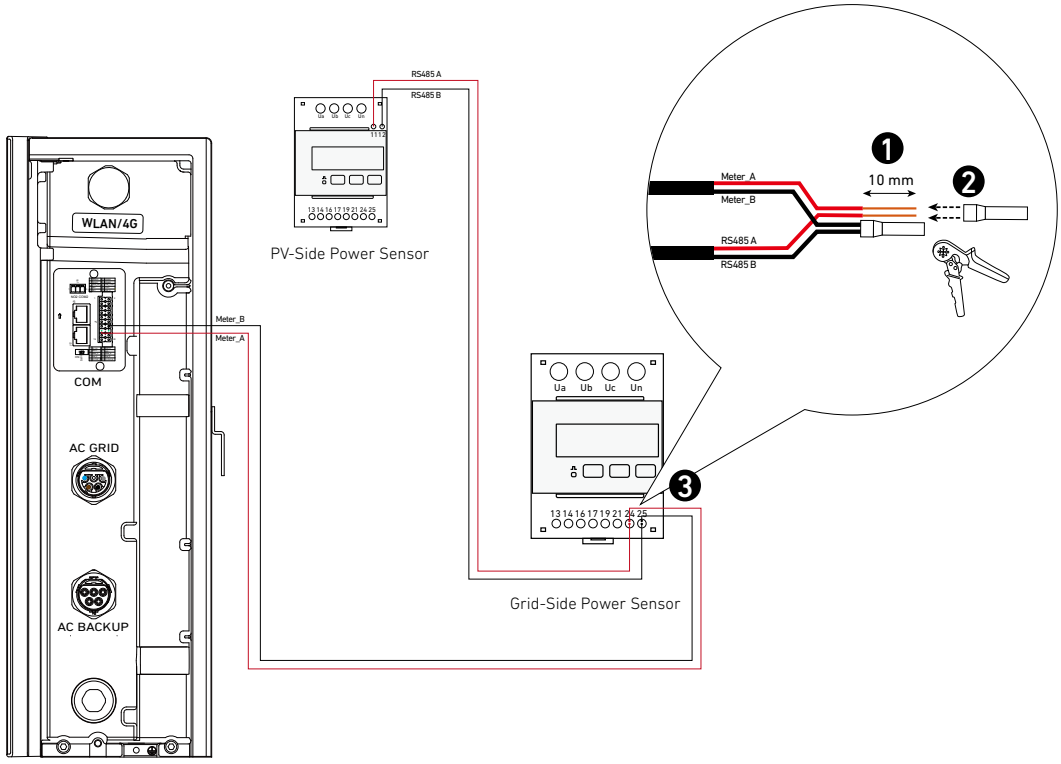


Grid-Side Power Sensor:

① Strip the insulation layers from the other ends of the RS485 A and RS485 B wires connected to the PV-side power sensor. Also strip the insulation layers from the other ends of the RS485 A and RS485 B wires connected to the power module.

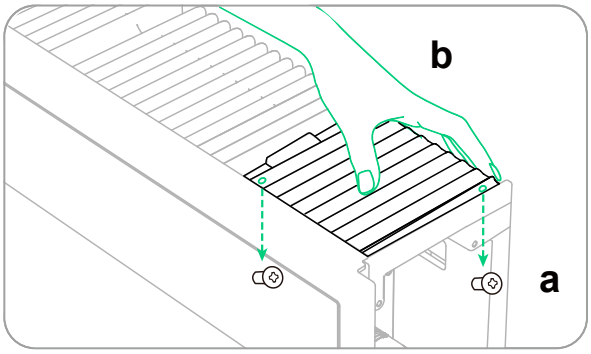
② Twist the two A wires and crimp the tube terminal (16 mm, included) onto the wires. Crimp the two B wires in the same way.

③ Insert the A and B wire tube terminals into the RS485-24-A and RS485-25-B terminals on the grid-side power sensor respectively and tighten the screws.

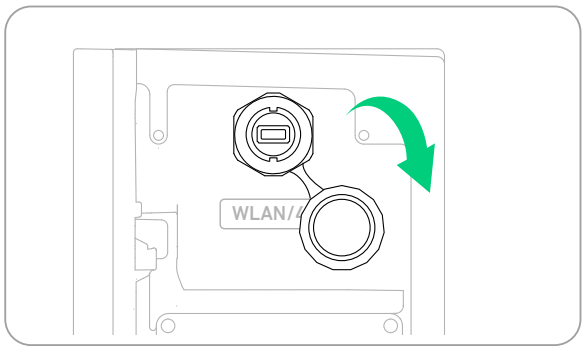


6.6 Connect to the Internet

① Remove the panel from the upper right of the power module. Keep the two screws (M4×8 mm) for later reinstallation.



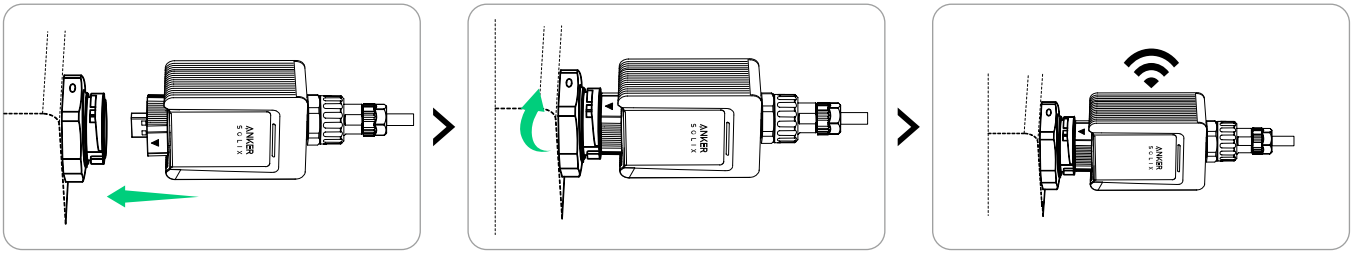
② Open the WLAN/4G port cover on the right side of the power module.



③ Install the appropriate dongle according to the networking methods.

Option 1: Connect via Wi-Fi.

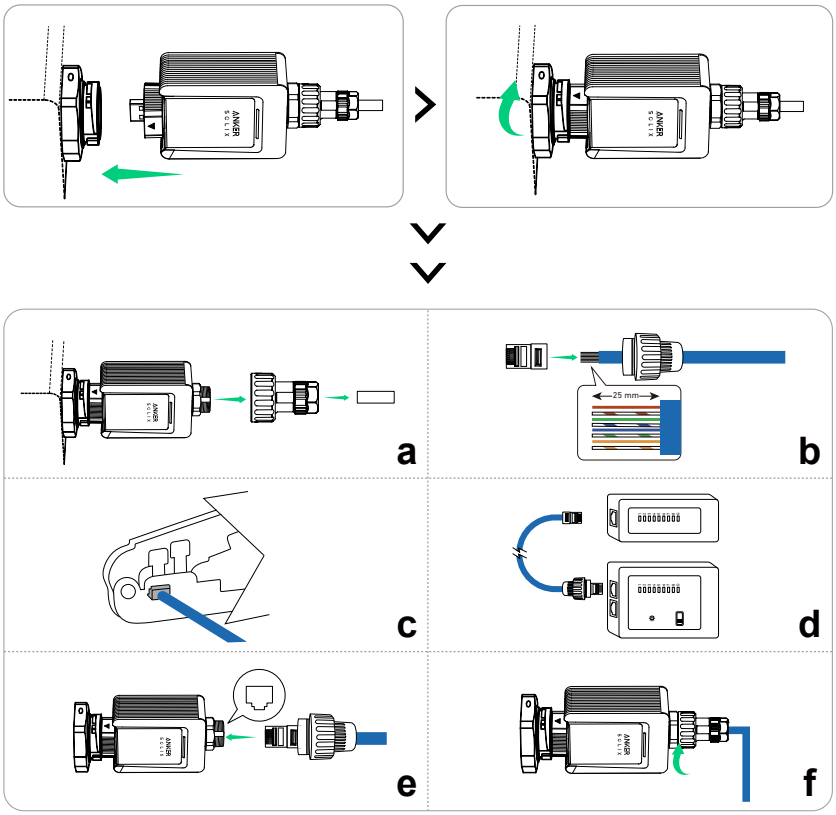
Insert the WLAN dongle (DG-WF-H, included) into the WLAN/4G port.



Option 2: Connect via Ethernet.

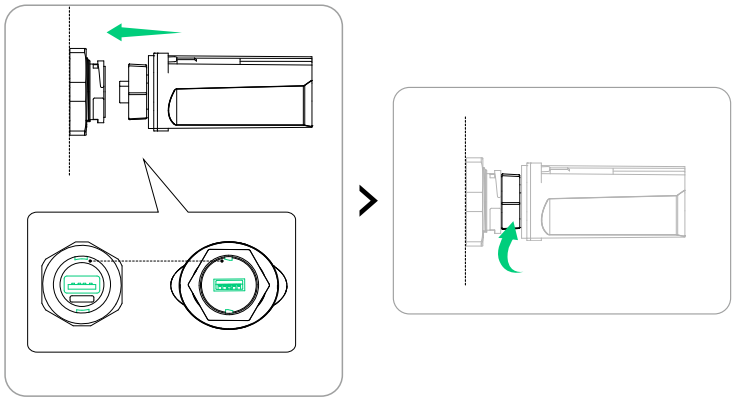
Plug an Ethernet cable (Cat 5 or higher, 5-6 mm in diameter, not included, shielding recommended) into the WLAN dongle (DG-WF-H, included).

From Bottom to Top (Clip Faces Away)								
Pin	1	2	3	4	5	6	7	8
Wire Color	Orange-White	Orange	Green-White	Blue	Blue-White	Green	Brown-White	Brown

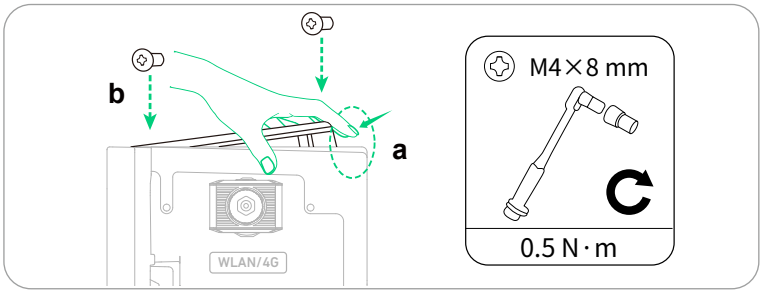


Option 3: Connect via 4G.

Insert the Mobile dongle (VCB-5106L6-WB-AK, not included) into the WLAN/4G port.



④ Press the back of the panel to reinstall it, and then tighten the screws (M4×8 mm).



⑤ After installing the dongle, configure the Internet settings in the Anker SOLIX Professional app. For detailed instructions, refer to "7.3 Use the Anker SOLIX Professional App".

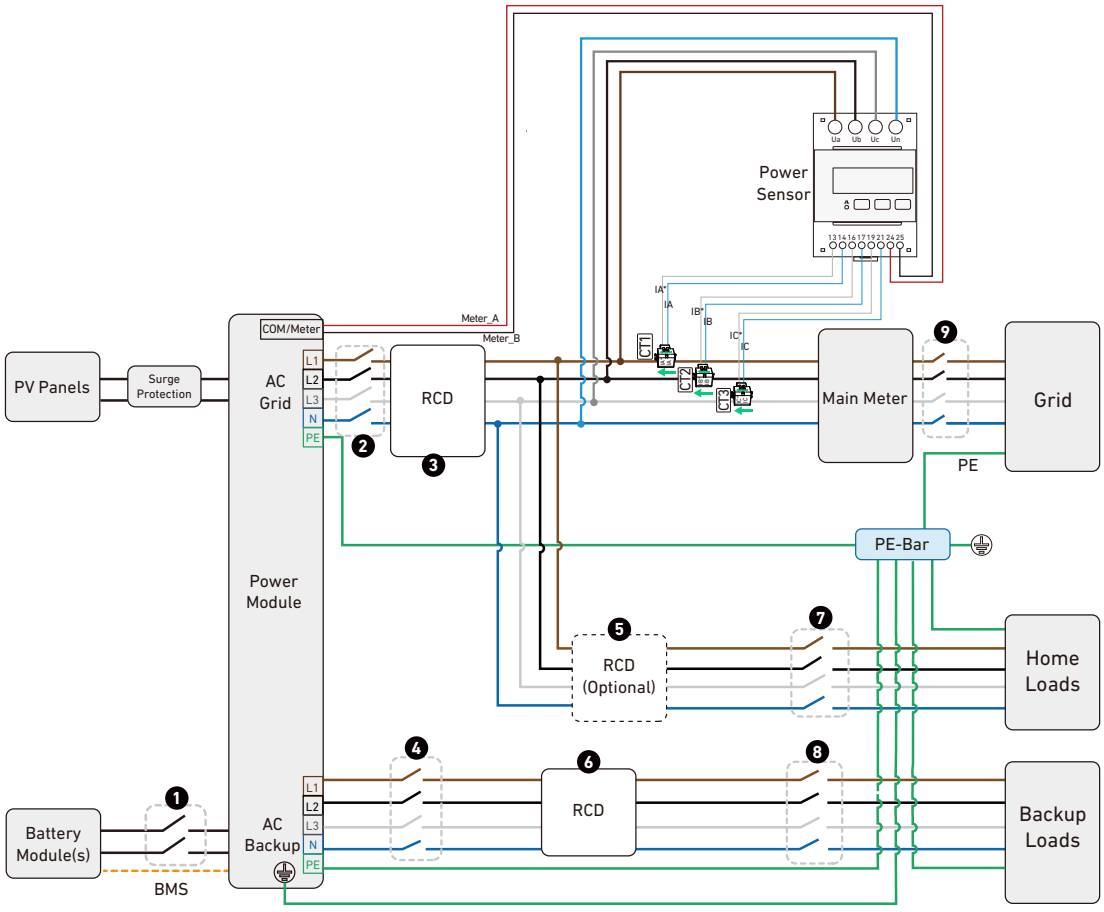
6.7 Connect to RCD and Breakers

Residual Current Monitoring Device

The power module includes an integrated universal current-sensitive residual current monitoring unit. This unit will disconnect the power module from the mains power immediately if a fault current with a value exceeding the limit is detected.

If an external Residual Current Device (RCD) is mandatory, the RCD must meet the requirements of Type B and triggered at a residual current of 300 mA (recommended). Local standards may allow for the use of RCDs with other specifications.

RCD Type	B
Action Current	300 mA
Rated Continuous Current	≥ 40 A
Rated Voltage	3L+N+PE ≥ 400 VAC

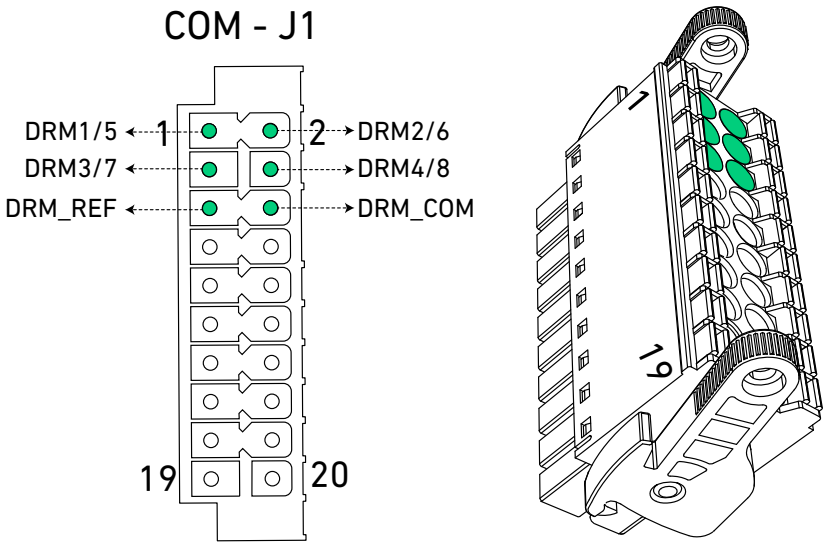


DC Brekaer (1)	AC Breaker (2/4/8)	AC Breaker (7)	AC Breaker (9)	RCD (3/5/6)
1 Battery Module: 500VDC, 10A **2 Battery Modules:** 500VDC, 20A **3 Battery Modules:** 500VDC, 32A **4 Battery Modules:** 500VDC, 40A **5 Battery Modules:** 500VDC, 40A **6 Battery Modules:** 500VDC, 40A	**X1-H5K-T:** 400VAC, 20A **X1-H8K-T:** 400VAC, 32A **X1-H10K-T:** 400VAC, 32A **X1-H12K-T:** 400VAC, 32A	Depends on home loads	**X1-H5K-T:** 400VAC, 16A + Home Load Rated Current **X1-H8K-T: 400VAC,** 25A + Home Load Rated Current **X1-H10K-T:** 400VAC, 32A + Home Load Rated Current **X1-H12K-T:** 400VAC, 32A + Home Load Rated Current	400VAC, 300mA

6.8 Connect to the Power Control Device

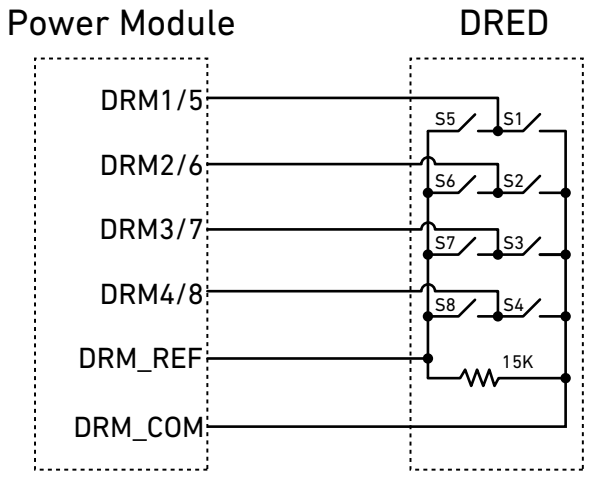
Connect the power module to a power control device according to the local standard and requirements for grid stability and remote system control by the grid.

Connect the power module to a power control device using the DRM terminals and the 20-pin terminal block connector (included).



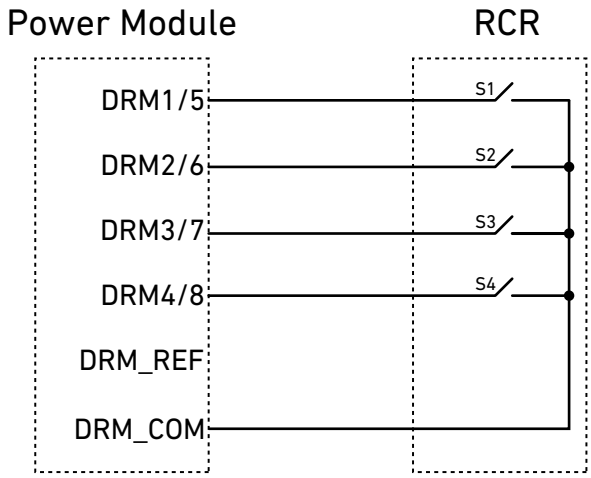
Refer to the appropriate wiring diagram and switch table to help connect.

Demand Response Enabling Device (DRED)



Demand Response Mode	Switch State
DRM0	Close S1 and S5
DRM1	Close S1
DRM2	Close S2
DRM3	Close S3
DRM4	Close S4
DRM5	Close S5
DRM6	Close S6
DRM7	Close S7
DRM8	Close S8

Ripple Control Receiver (RCR)



Output Power (in % of the Rated AC Output Power)	Switch State	S1	S2	S3	S4
100%	Close S1	1	0	0	0
60%	Close S2	0	1	0	0
30%	Close S3	0	0	1	0
0%	Close S4	0	0	0	1

6.9 Connect to the Heat Pump

Connect to an SG-ready heat pump to convert excess solar energy into thermal energy.

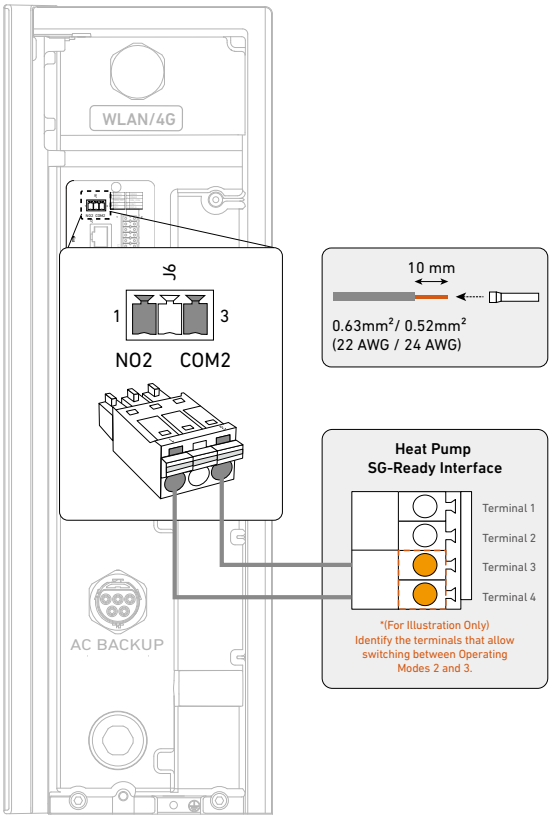
① Prepare the cables along with the tube terminals and terminal block connectors as specified below.

Terminal	Cable	Strip Length	Tube Terminal	Terminal Block Connector	Maximum Length
NO2	Recommended: 0.63 mm^2 (22 AWG), not included *Optional: 0.52 mm^2 (24 AWG), not included	10 mm	For 0.63 mm^2 (22 AWG) cables, included	3-pin, included	20 m
COM2					

② Check the heat pump manual to determine which terminals control mode switching. They should enable the heat pump to switch between Operating Modes 2 and 3.

SG-Ready Heat Pump	
Operating Mode 2	The heat pump operates in standard mode.
Operating Mode 3	The heat pump operates in a mode that boosts the heating temperature.

③ Connect the designated terminals on the heat pump to the NO2 and COM2 terminals on the power module.

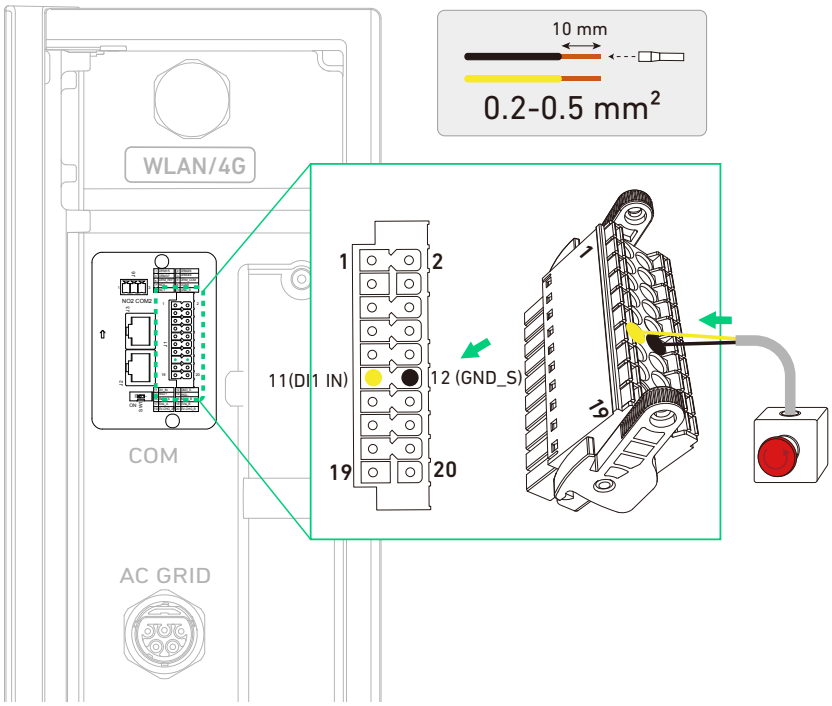


- Once the electrical connections are completed, the heat pump must be configured either by the installer using the Anker SOLIX Professional app or by the user using the Anker app.
- To set up the heat pump in the Anker SOLIX Professional app, refer to Post Commissioning (Step 4: Configure External Device) in 7.3 Use the Anker SOLIX Professional App..

6.10 Connect to the Control Unit / Emergency Stop Switch

In compliance with local codes, the power module can be connected to a control unit (for Germany) or an emergency stop switch.

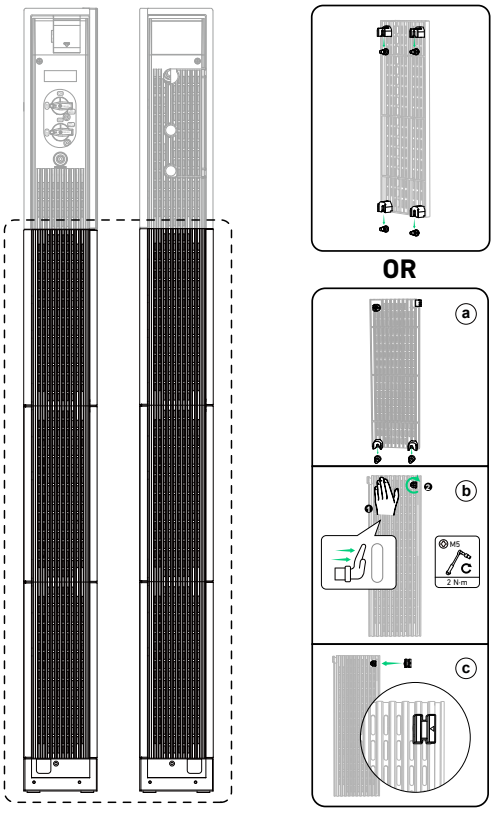
Wire the 11 and 12 terminals on the power module to the control unit or the emergency stop switch.



6.11 Attach Side Covers and Baffles

1. Install the side covers* onto the battery modules from bottom to top.

*The side covers may vary due to batch variations.

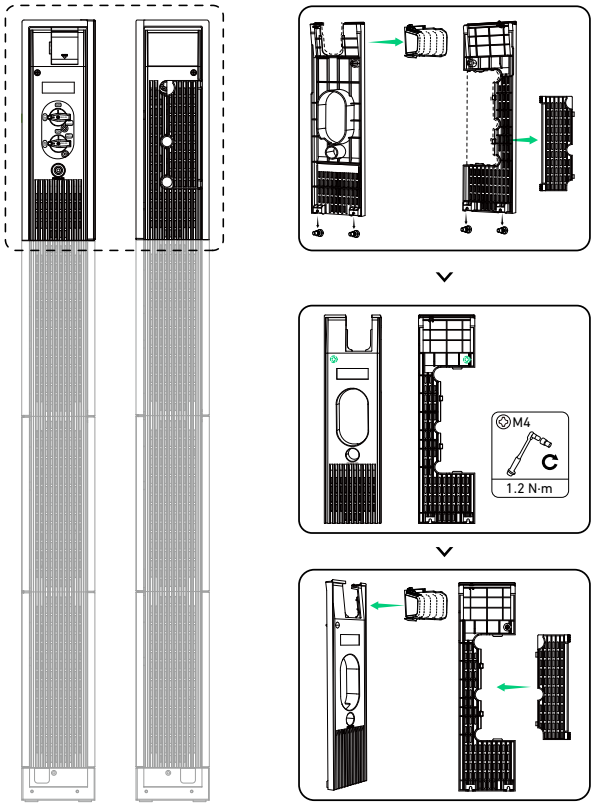


2. Install the side covers to the power module.

① Remove the left-side and right-side wire covers from the side covers. Align the side cover notches with the protruding parts of the power module, and push the covers down to click in place.

② Fasten the captive screws (M4) on the top of both side covers.

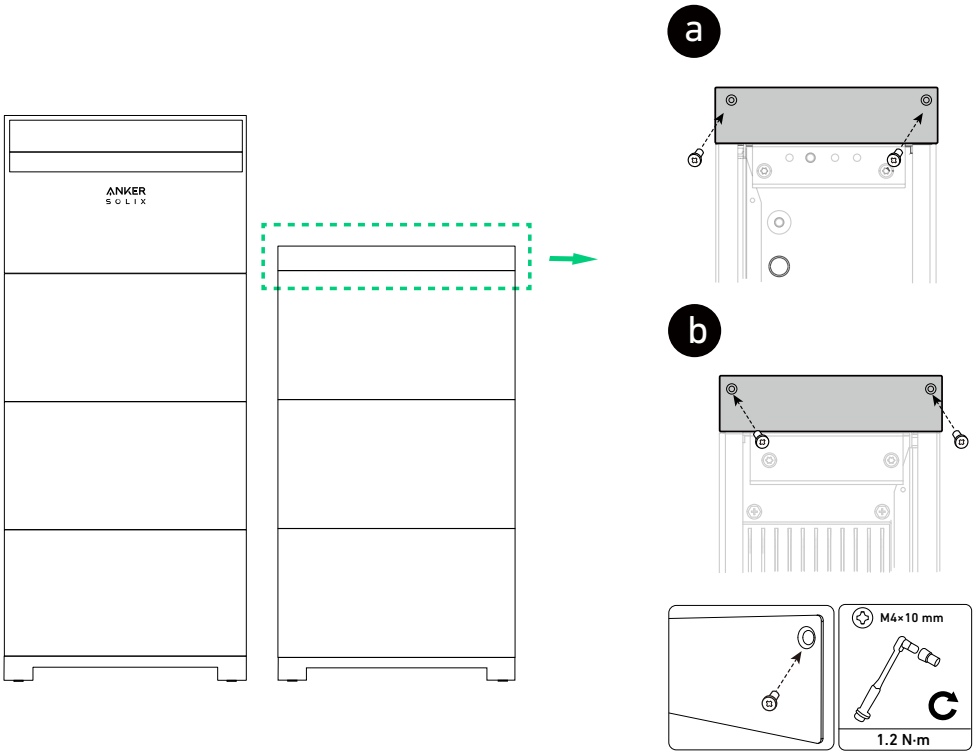
③ Attach the wire covers to the slots of the side covers.



3. Attach the baffles to the modules to complete installation.

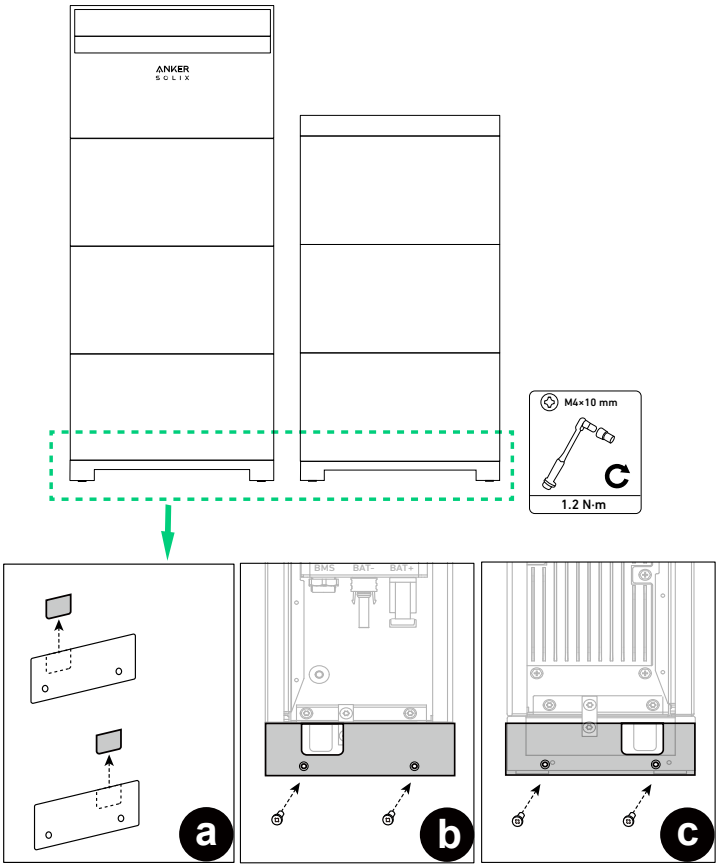
If you are installing two columns of modules, attach the baffles for a clean aesthetic.

① Attach the top cover baffles to the top battery module in the second column. Make sure the baffle side with the countersunk holes face outward and tighten the screws.

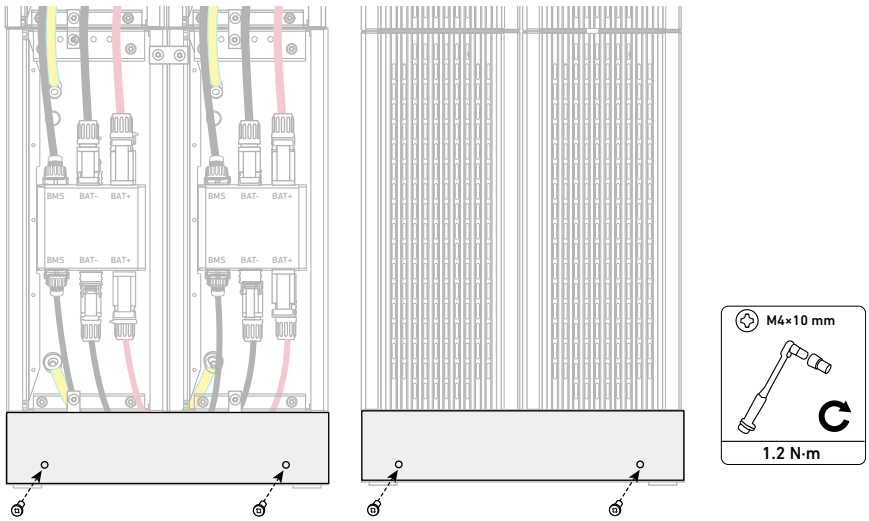


② Attach the base baffles to the base in the first column. Make sure the baffle side with the countersunk holes face outward and tighten the screws.

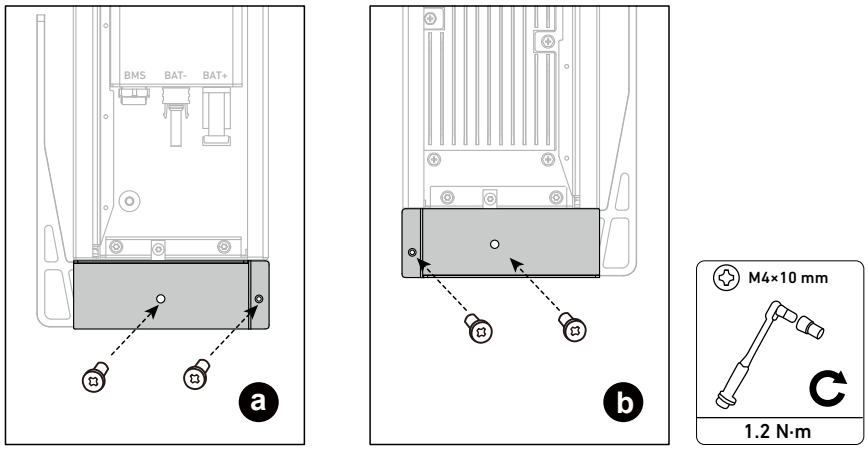
Floor-Mounted Modules with Standard Floor Base



Floor-Mounted Modules with Floor Bridge Base



Wall-Mounted Modules



7. Commissioning

7.1 Verify Hardware Installation

Item	Acceptance Criteria
Installation	· The installation is correct and reliable. · The installation space is proper, and the installation environment is clean and tidy.
Cable Routing	· The DC power cables, grounding cables, and signal cables are connected correctly, securely, and reliably. · Cables are routed properly. · Cable ties are evenly distributed and no burr exists.
Terminals and Ports	· Unused terminals and ports are locked by waterproof or dustproof caps.
Switch	· The BAT switch and the PV switch are off. · All switches connected to the energy storage system are off.

7.2 Power On the System

Power on the system before commissioning in the Anker SOLIX Professional app.

1. Toggle the BAT switch of the power module to ON.
2. Close the circuit breaker between the power module and the grid.
3. Toggle the PV switch of the power module to ON.

7.3 Use the Anker SOLIX Professional App

The UI images shown are for illustration only and may not match the actual display, which can vary depending on the software version.

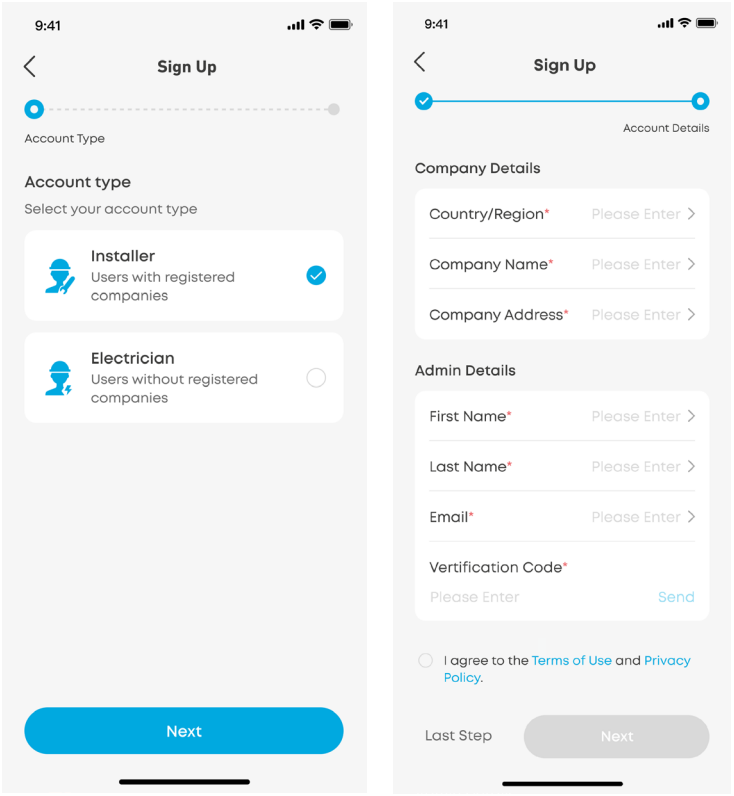
Download and Install the App

The Anker SOLIX Professional app will guide you through the commissioning process.

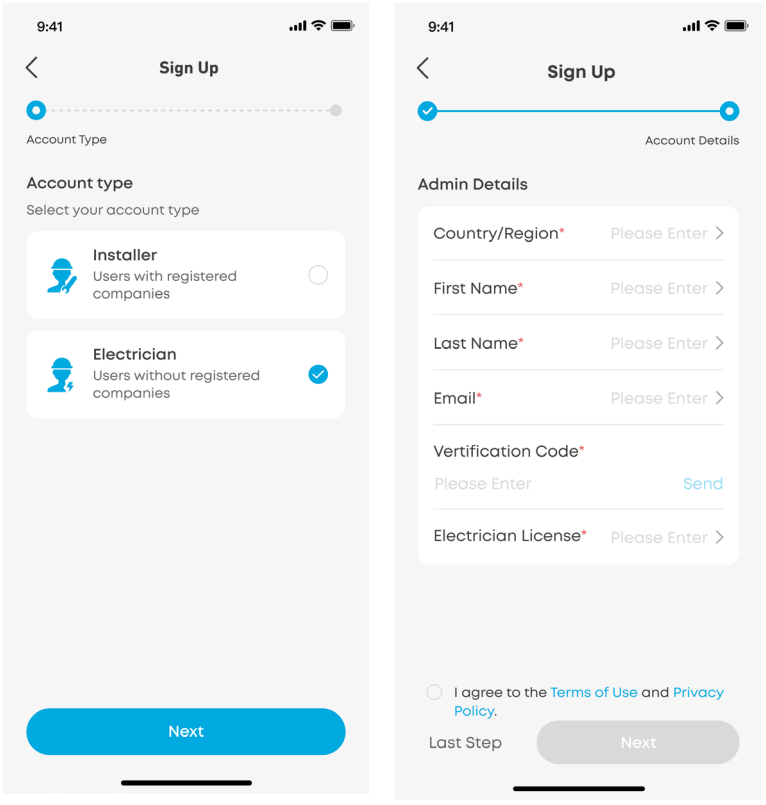
1. Download the Anker SOLIX Professional app from the App Store (iOS devices) or Google Play (Android devices), or by scanning the QR code.

2. Log into the app using the installer's account. Please check your email to get the account name and initial password. If you do not have an account, follow the in-app instructions to sign up.

For installers with a registered company



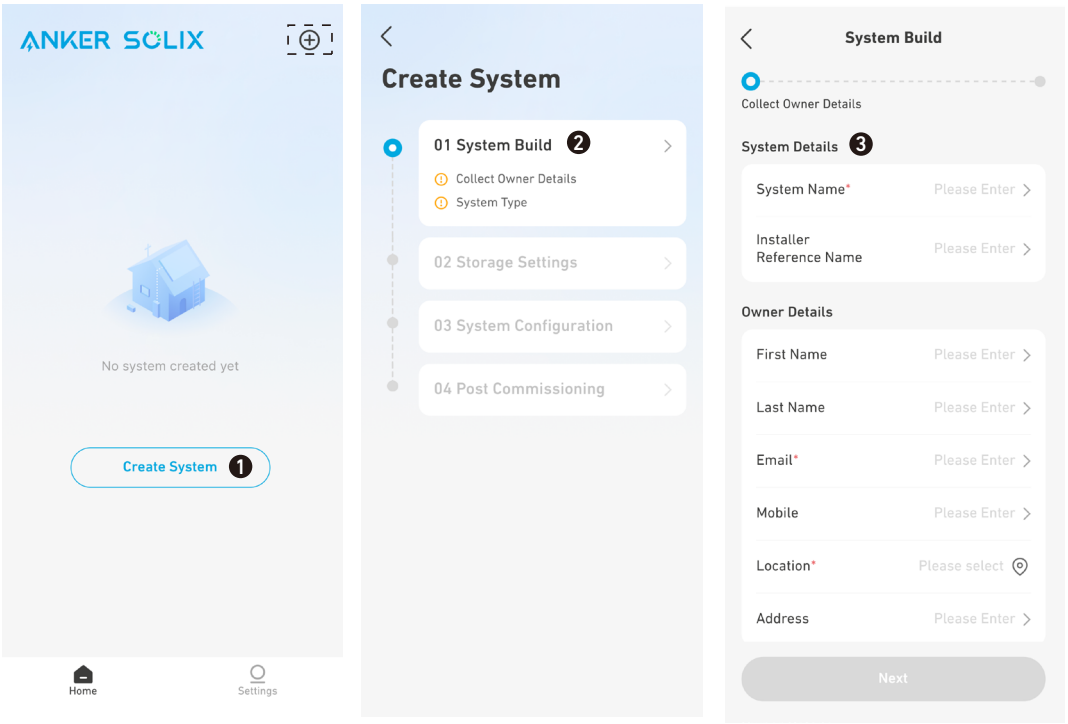
For electricians without a registered company



Build System

Step 1: Collect Owner Details

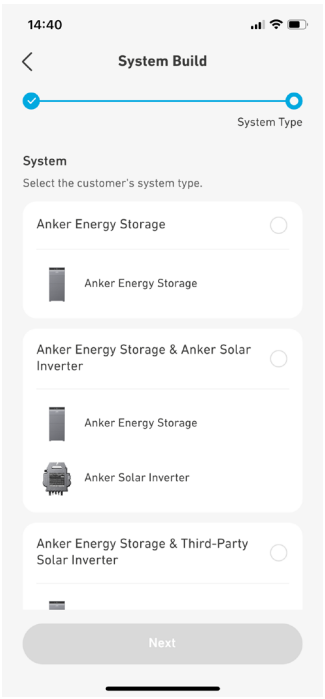
❶ On the Home screen, tap **Create System** or the plus icon on the top right.
❷ Go to **System Build**.
❸ Input the system and owner information.



Step 2: Select System Type

Select a system type based on the installation of the energy storage system.

System Type	Does System Include Solar Inverter	Inverter Brand
Anker Energy Storage	No	/
Anker Energy Storage & Anker Solar Inverter	Yes	Anker SOLIX
Anker Energy Storage & Third-Party Solar Inverter	Yes	Others



Configure Storage

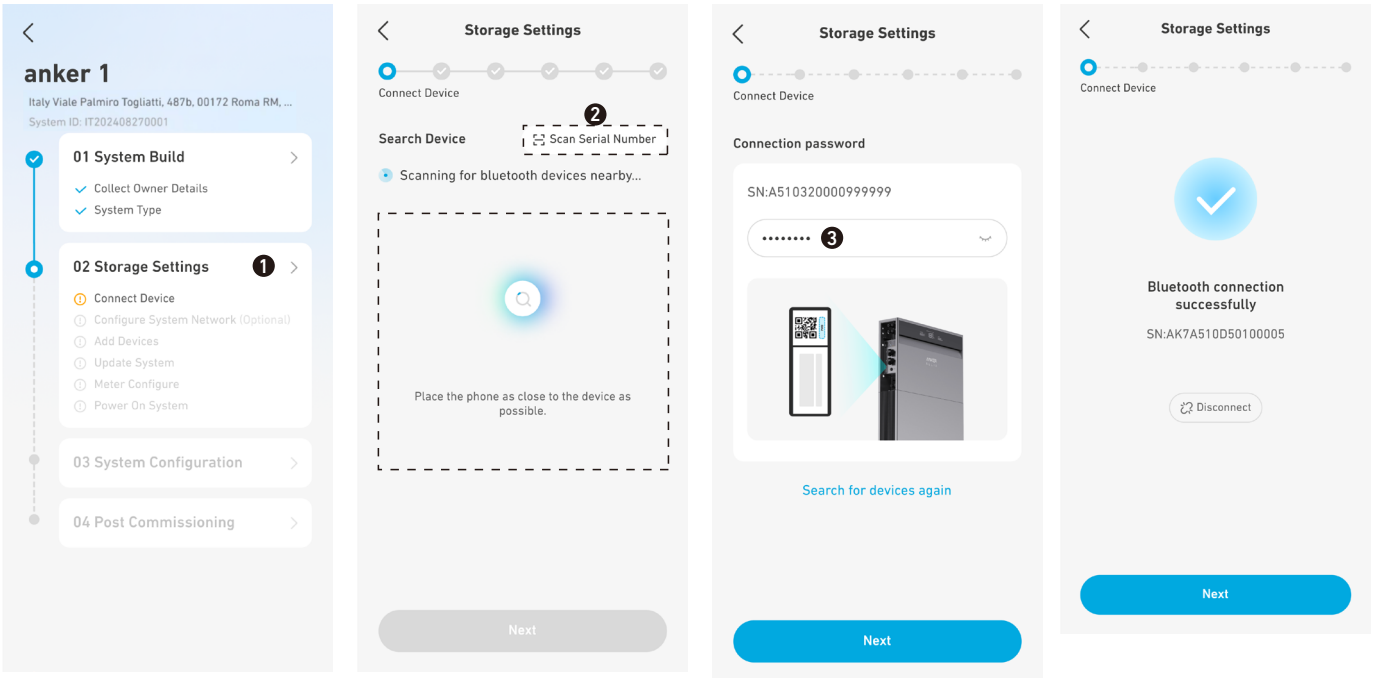
Step 1: Connect Device

Connect the power module to the Anker SOLIX Professional app via Bluetooth.

❶ Go to **Storage Settings**.

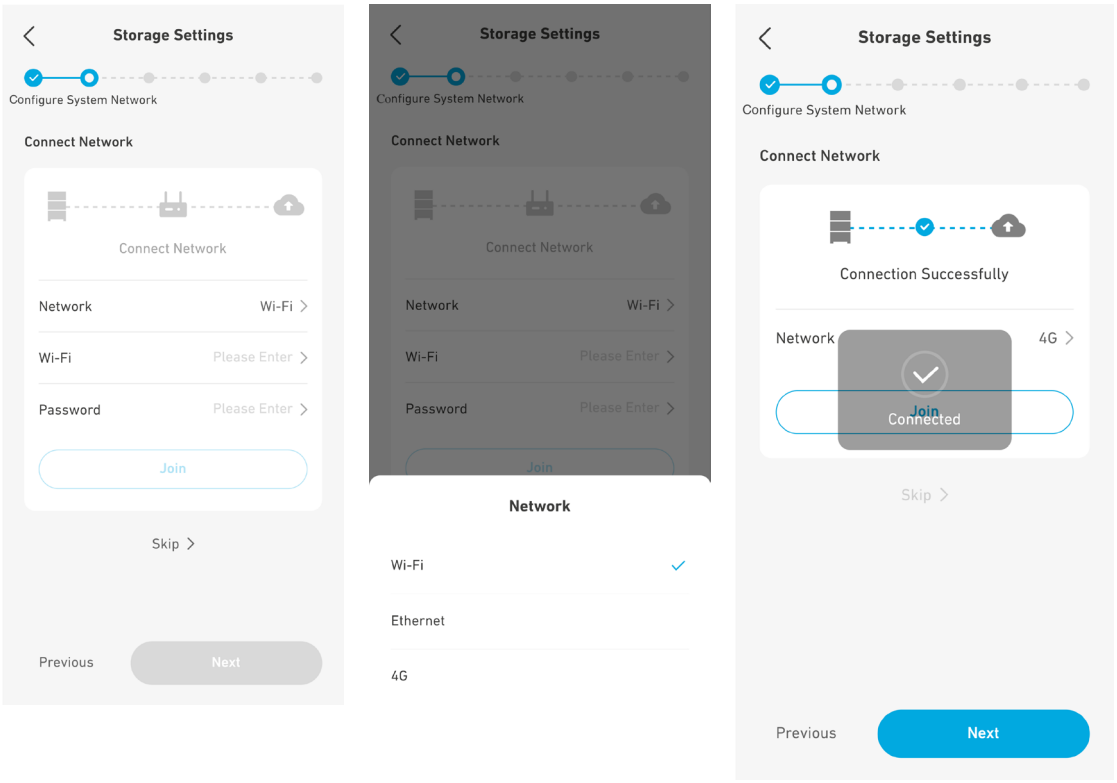
❷ Select the power module from the Bluetooth device list or scan the barcode on the power module's label.

❸ Enter the password located below the barcode.



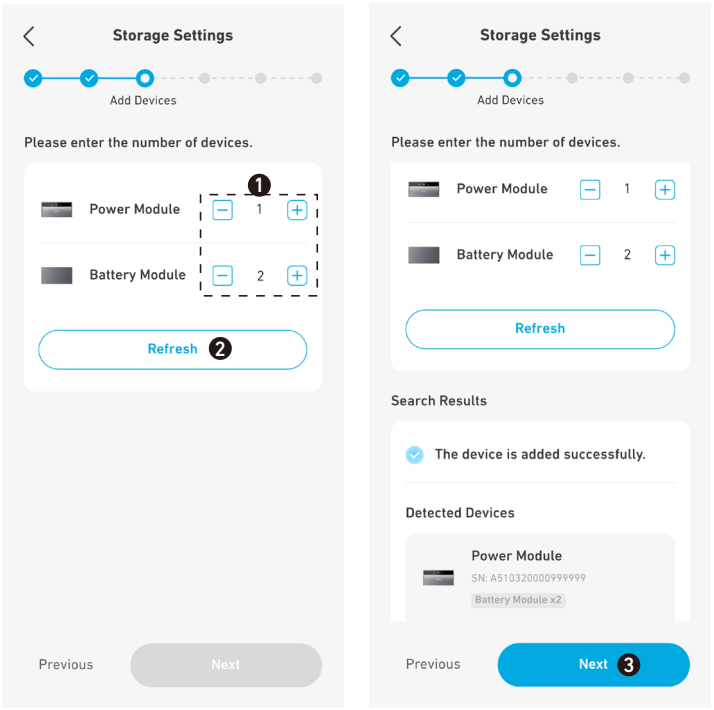
Step 2: Configure System Network

Configure the Internet connection using Wi-Fi, Ethernet, or 4G.



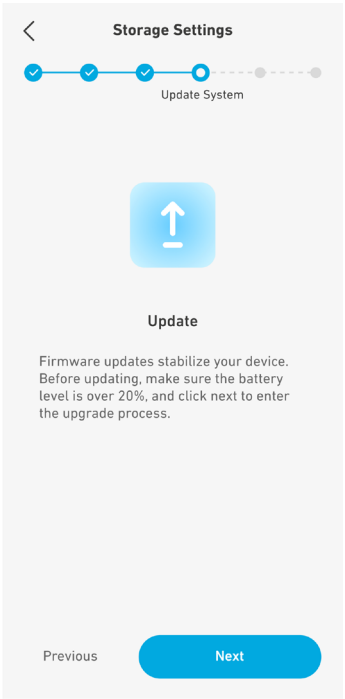
Step 3: Add Devices

❶ Manually input the numbers of the power modules and battery modules.
❷ Tap **Refresh** to search for the devices automatically.
❸ Select **Next** to move on when you see the message "The device is added successfully." If the detected numbers do not match the input numbers, change the input numbers and tap **Refresh** again.



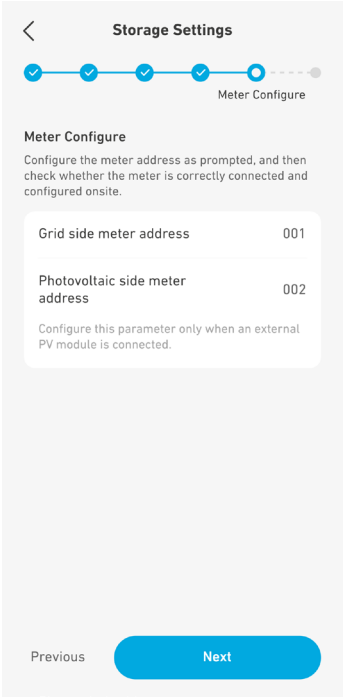
Step 4: Update Firmware

Update the firmware to the latest version.



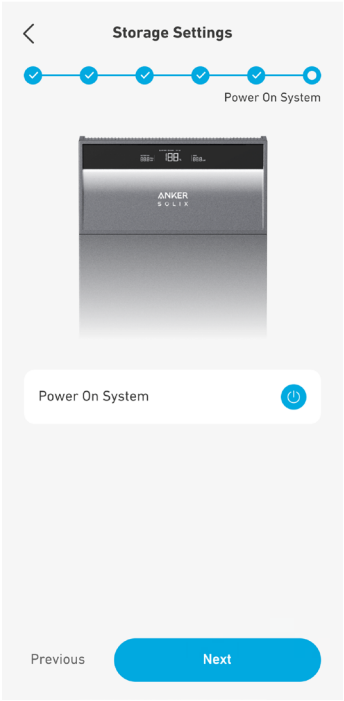
Step 5: Configure Meter

Configure the meter address, and then check whether the meters are correctly connected and configured onsite.



Step 6: Power On System

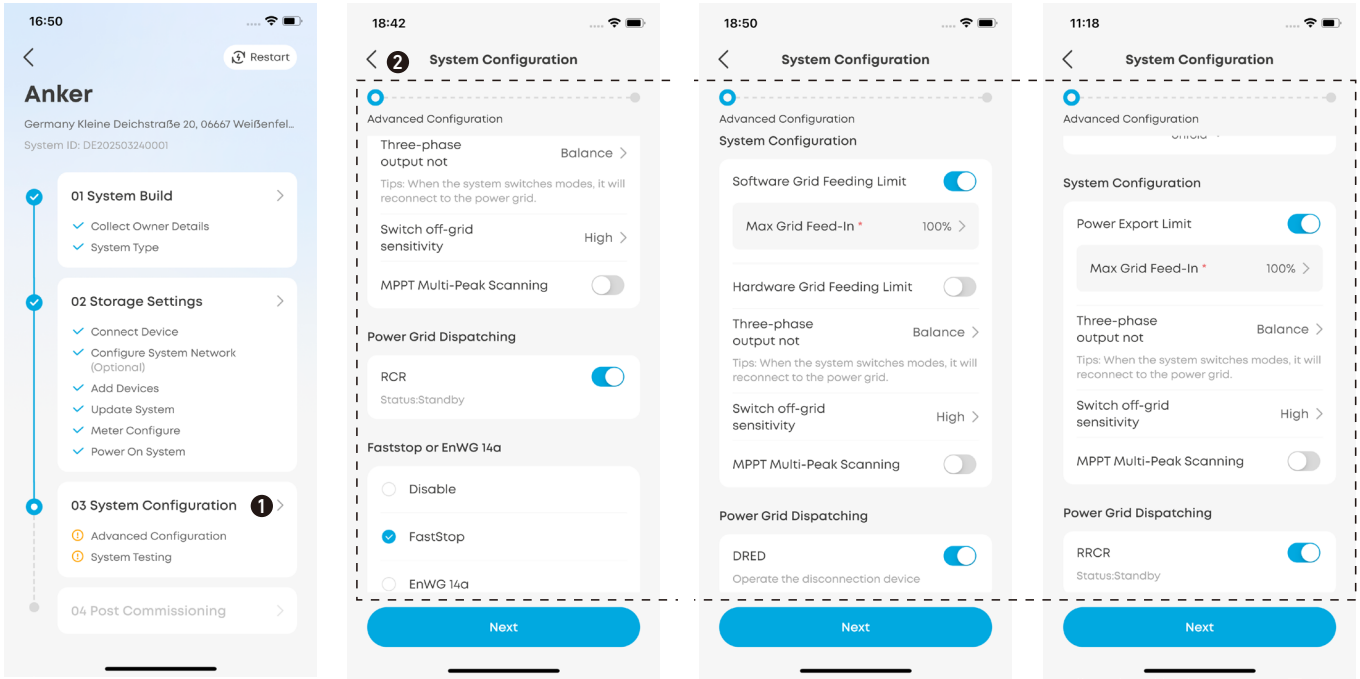
Tap to power on the system, and tap **Next**. If the system is already on, tap **Next** directly.



Configure System

Step 1: Advanced Configuration

Tap **System Configuration** and complete the settings.



Grid Connection Setup	**Time Zone:** Set the local time zone.
	Grid Code: Select the grid code of the country or region where the power module is used. When the time zone is set to Australia, select the applicable grid code. Please contact your electricity grid operator for which region to use. • AS-NZS 4777.2_A: Australia A • AS-NZS 4777.2_B: Australia B • AS-NZS 4777.2_C: Australia C • AS-NZS 4777.2_NZ: Australia and New Zealand
Overvoltage and Undervoltage Protection	Specify thresholds and duration for level-1 and level-2 voltage protection.

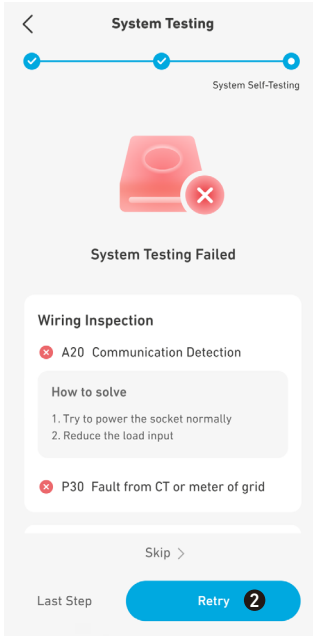
System Configuration	**Soft Grid Feeding Limit:** When the feed-in power reaches the set limit, the system will continue feeding at the set limit. Set the feed-in power limit as a percentage of the system rating. For example, if the system rating is 6 kW and the percentage is set to 20%, the feed-in power limit is 6 x 20% = 1.2 kW. When the feed-in power reaches 1.2 kW, the system will continuously feed power to the grid at 1.2 kW. **Hard Grid Feeding Limit:** When the feed-in power reaches the set limit, the system will stop feeding and go off-grid. Set the feed-in power limit as a percentage of the system rating. For example, if the system rating is 6 kW and the percentage is set to 20%, the feed-in power limit is 6 x 20% = 1.2 kW. When the feed-in power reaches 1.2 kW, the system will stop feeding power to the grid and go off-grid..
	Three Phase Output Balance: When connected to the grid, the power module can be set to either balance or unbalance the power output to the loads. • **Unbalance:** The power output to each phase varies by the loads, but does not exceed 33% of the rated power. • **Balance:** The power output to each phase is equal but does not exceed 33% of the rated power.
	Switch Off-Grid Sensitivity: Set the sensitivity level for switching between On-Grid and Off-Grid modes. • Select **High** (default) for optimal user experience. It takes no more than 10 ms for the system to switch between On-Grid and Off-Grid modes. During this process, the loads operate normally. • Select **Low** when performing Low Voltage Ride-Through (LVRT) or High Voltage Ride-Through (HVRT) detection according to local codes. It takes several seconds for the system to switch between On-Grid and Off-Grid modes. During this process, the backup loads will turn off. They may need to be manually turned on when the system reconnects to the grid.
	MPPT Multi-Peak Scanning: Get the most out of solar power when PV strings are shaded. When this feature is enabled, the power module will search for the maximum power at set intervals. **MPPT Scanning Interval:** Set how often you want the MPPT multi-peak scanning to run.
Power Grid Dispatching	This feature enables the flow of electricity between the system and the grid, allowing for both import and export. The toggle switch is off by default. Turn it on if the power module is connected to the appropriate power control device. The power control device may vary by country. • DRED (Australia)
Faststop	**Fast Stop** This feature allows users to quickly shut down the Anker SOLIX X1 system in emergencies. • Condition: Before enabling this feature, ensure that the emergency stop switch is properly connected to the power module. • Activation: Once this feature is enabled in the app, users can manually turn on the emergency stop switch. • Effect: The system will disconnect all power outputs, shutting off PV, battery, grid, and backup ports. The grid can still supply power to the system. The communication module remains operational. • Restart: After the emergency shutdown, the system cannot be restarted through the app. To power it back on, press the external button. For further instructions, refer to ***"7.2 Power On the System"***.

Step 2: Perform System Test

❶ Select **Start** to perform the system test.

❷ If system testing is successful, tap **Next** to proceed. If system testing fails, follow the on-screen troubleshooting instructions and tap **Retry** or **Skip**.





Post Commissioning

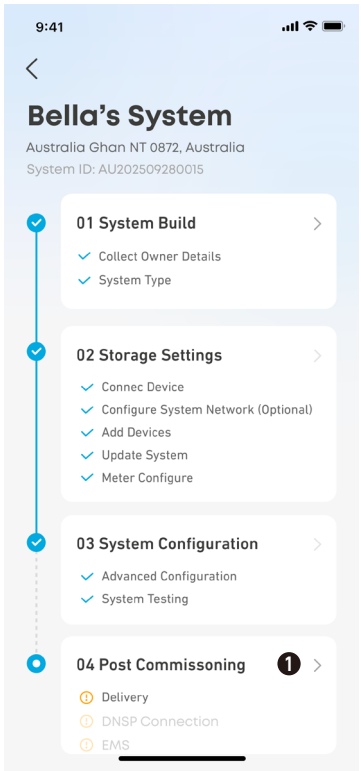
Step 1: Delivery

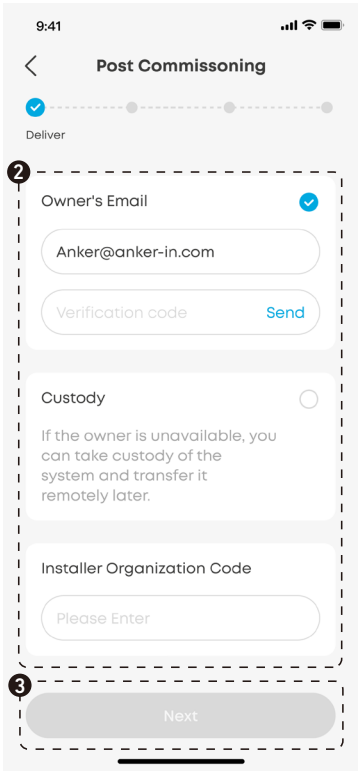
❶ Tap **Post Commissioning**.

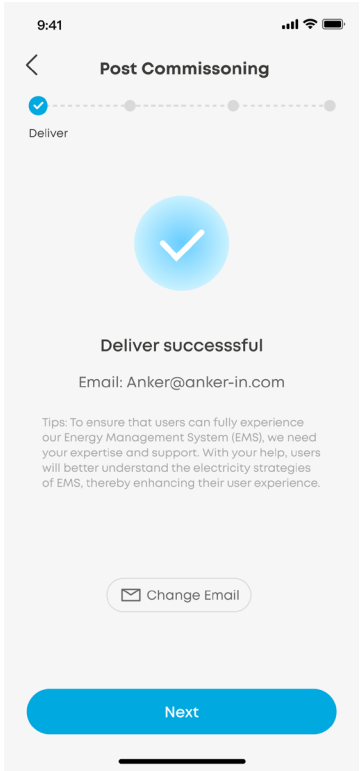
❷ Enter the owner's e-mail and the verification code. Or you can select **Custody** if the owner's email is unavailable.

Note: If you are an electrician without registered companies, you should enter an installer organization code for selecting Custody.

❸ Tap **Next** to proceed.

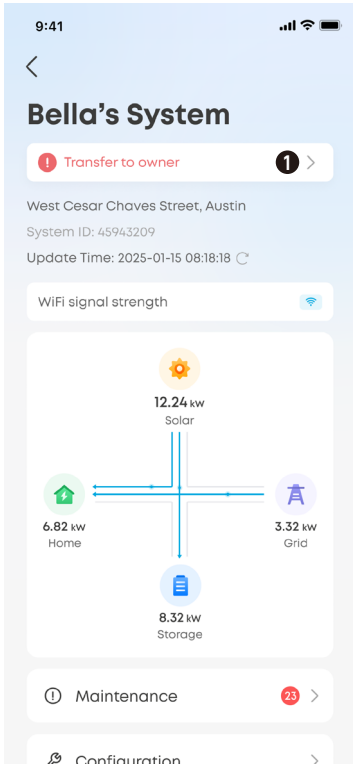


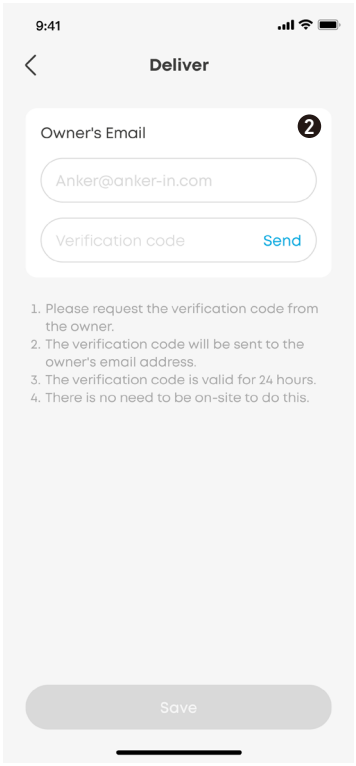




How can I change the email to the owner's email if I have selected Custody?

Access the main page of the power system, and then tap Transfer to owner to enter the owner's email and verification code.



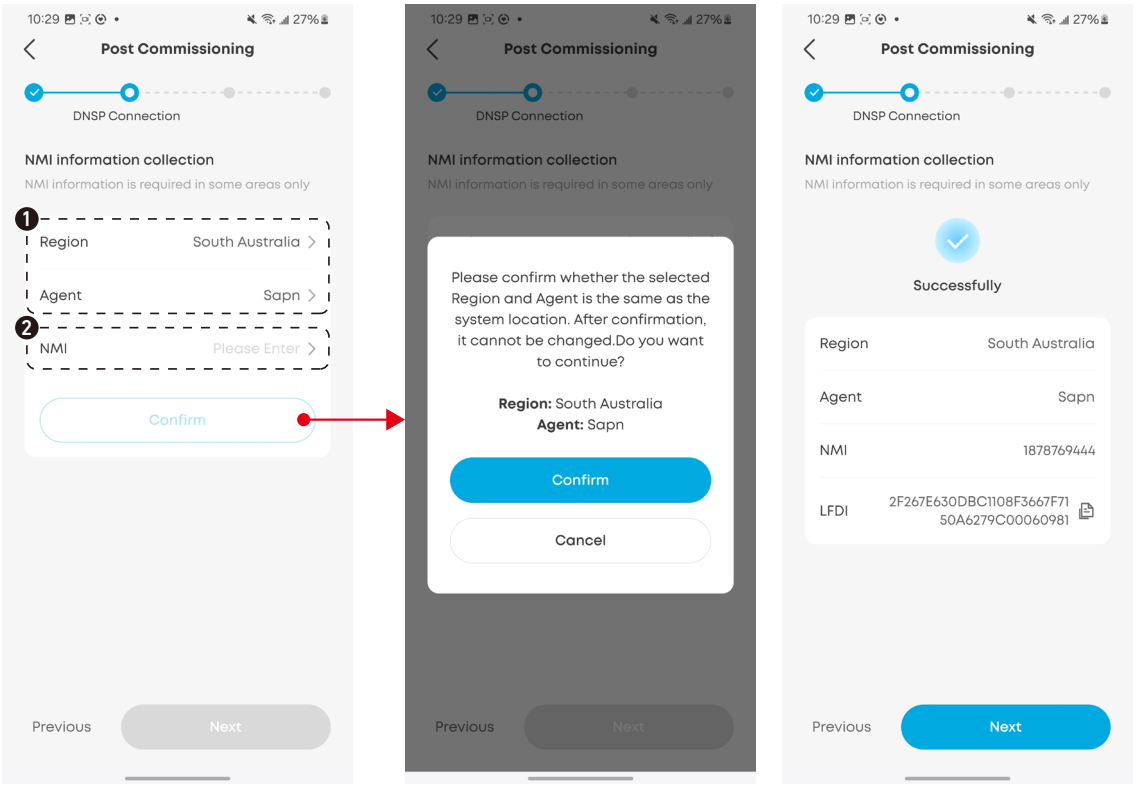


Step 2: DNSP Connection

❶ Select your **Region** and **Agent**.

❷ Fill in **NMI** (National Metering Identifier) numbers.

❸ The information is submitted when the success message is prompted. Tap **Next** to proceed to the next step.



Step 3: Energy Management

❶ Choose one work mode from the following.

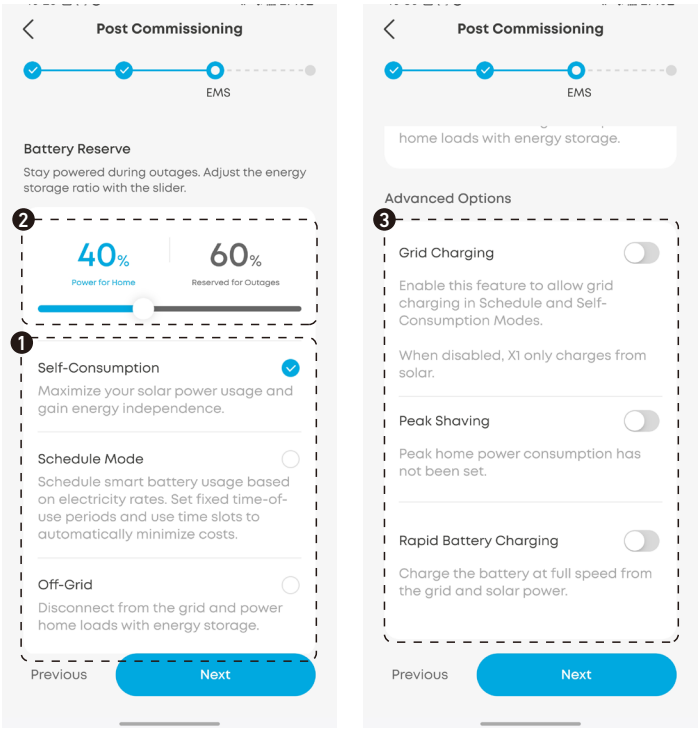
- **Self-Consumption:** Maximize the use of solar power and reduce grid power consumption.
  Note:This mode requires a PV system.
- **Time of Use:** The battery will charge during low-cost electricity hours and discharge during high-cost electricity hours.
- **Off-Grid:** Power your home with solar energy and the stored battery energy when the grid goes down.
  Note: The Anker SOLIX X1's off-grid mode is incompatible with the Sunlight Backup mode of the Enphase microinverter. It is necessary to disable the Sunlight Backup mode of the Enphase microinverter before using the Anker SOLIX X1's off-grid mode.

❷ Set backup reserve by adjusting the slider.

- To allow more capacity for the **Self-Consumption** mode or **Time of Use** mode, set a lower reserve percentage.
- To reserve more energy for outages or if they are frequent in the user's area, set a higher reserve percentage.

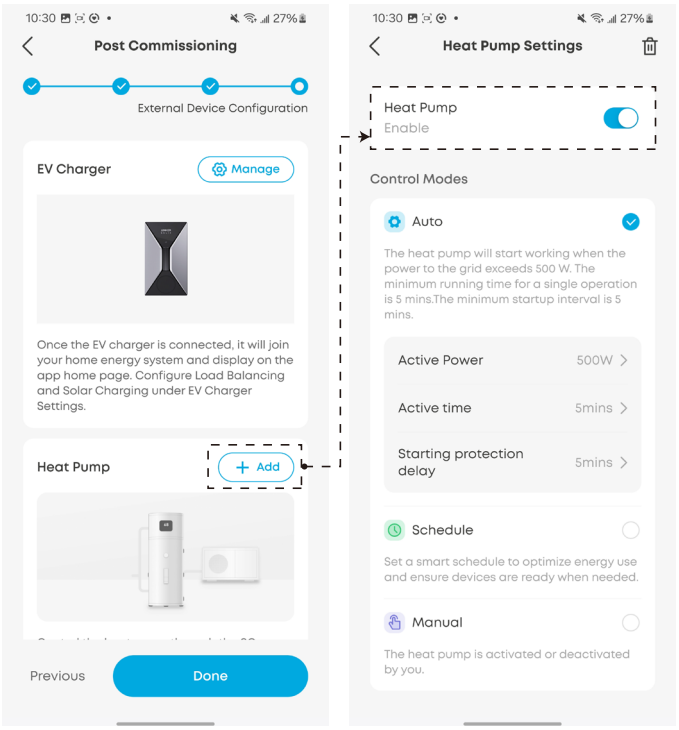
❸ Select advanced options.

- **Grid Charging:** Turn on to charge battery modules from the grid. Turn off to charge battery modules only from solar power.
- **Peak Shaving:** Set the peak power to prevent tripping or an increase in grid charges (in some areas).
- **Rapid Battery Charging:** Charge the battery modules at full speed using both grid and solar power.



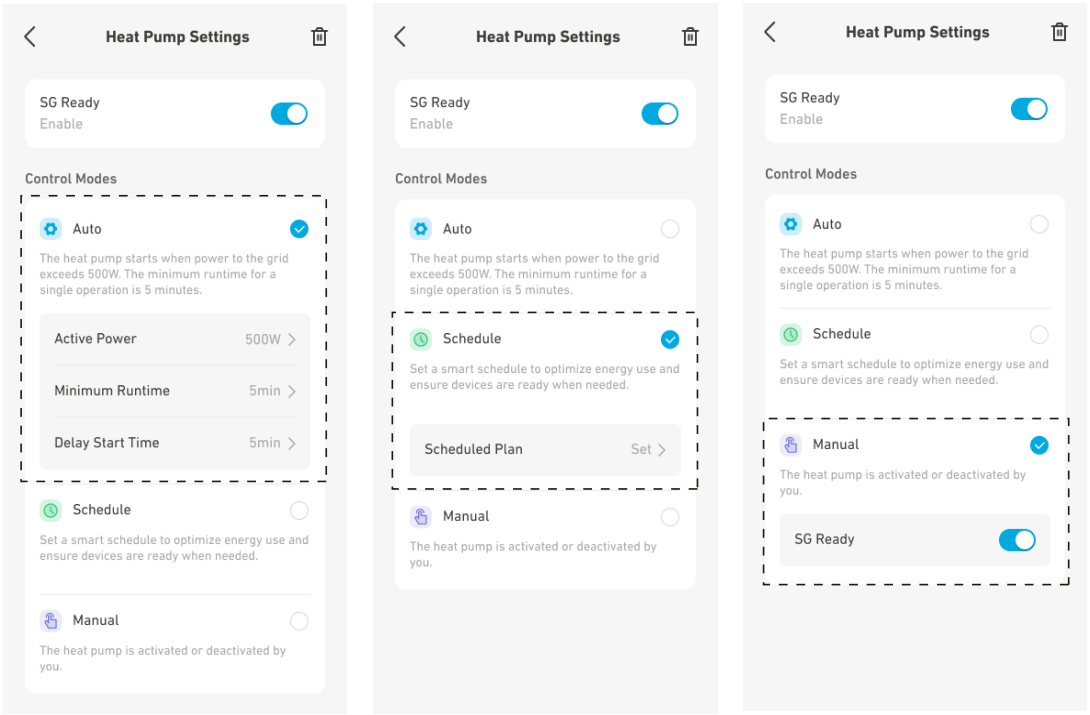
Step 4-1: Configure External Device (Heat Pump)

❶ If necessary, add the heat pump to the system and enable the heat pump function.



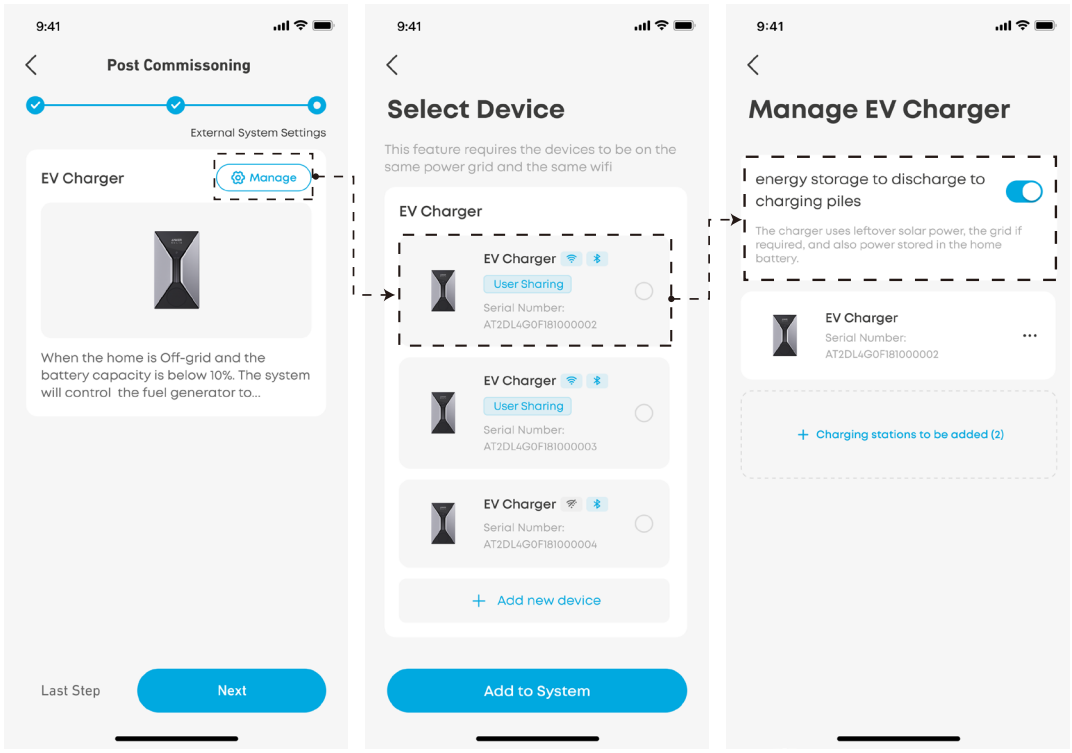
❷ Select a control mode from the options below.

- **Auto Mode:** The heat pump starts up when the solar power supplied to the grid exceeds the rated power of the heat pump.
  - Active Power: Enter the rated power of the heat pump.
  - Minimum Runtime: Set the minimum ON duration of the heat pump to avoid rapid ON/OFF cycles.
  - Delay Start Time: Set the minimum OFF duration of the heat pump to avoid rapid ON/OFF cycles.
- **Schedule Mode:** The heat pump operates according to a predefined schedule. You can customize up to four time periods for weekdays and weekends respectively.
- **Manual Mode:** Enable this mode to manually turn the heat pump on or off.

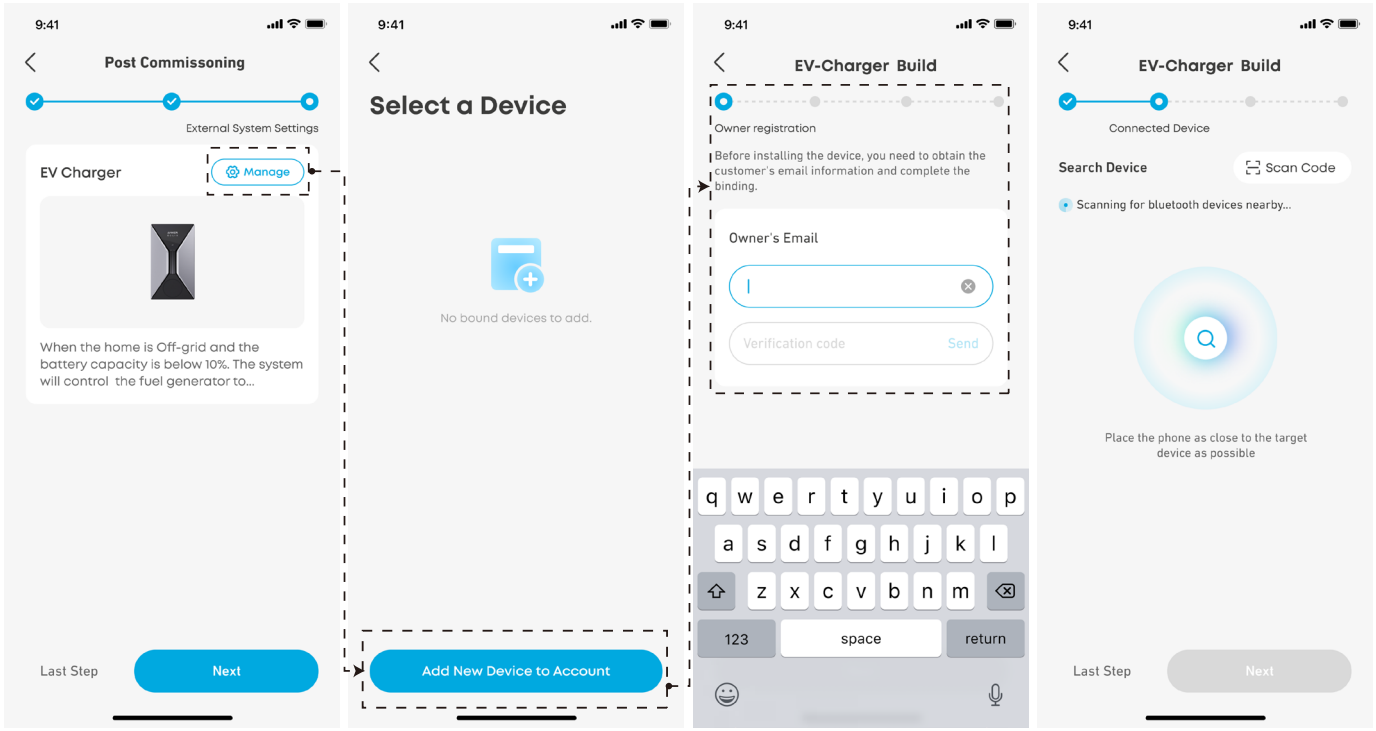


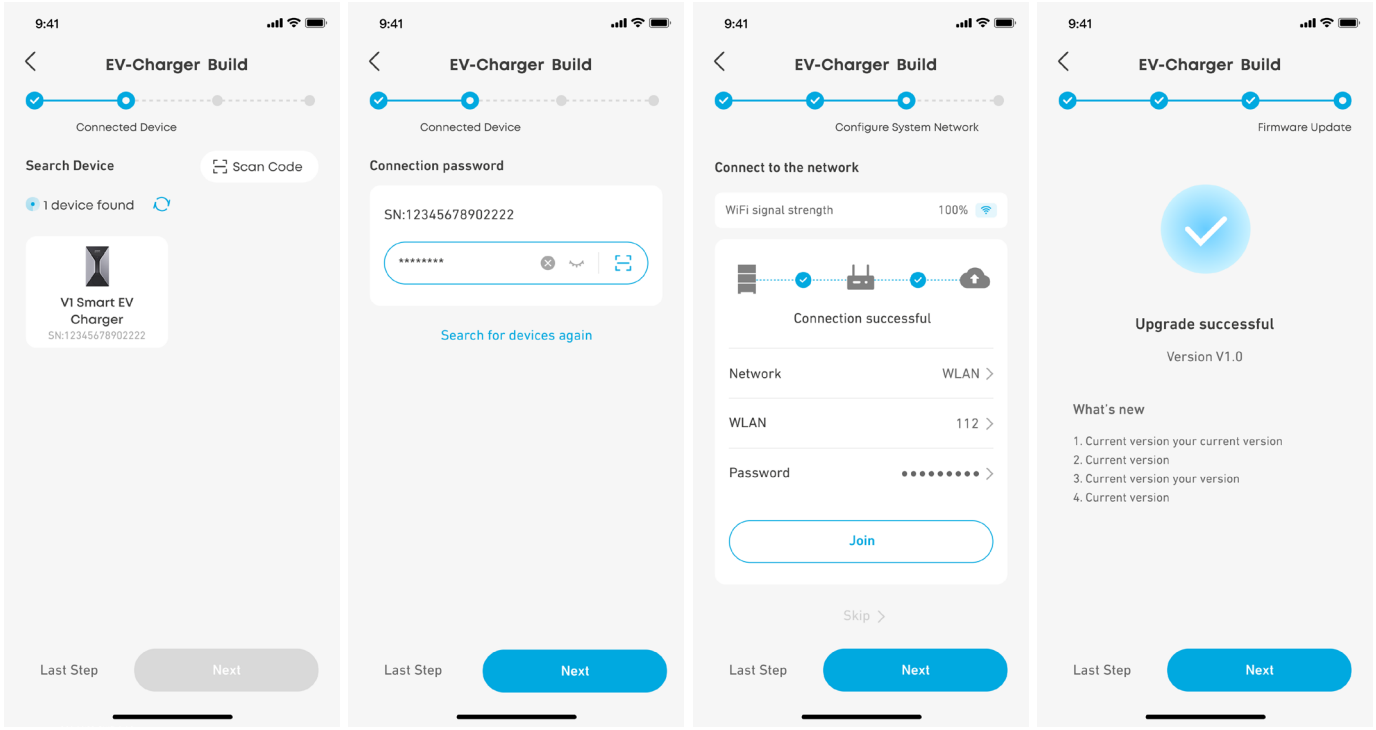
Step 4-2: Configure External Device (EV Charger)

You can also add EV chargers into the energy system to enable Anker SOLIX X1 battery discharging to EV chargers.



If you have not bound any EV chargers to the account, follow the in-app instructions to add an EV charger first.

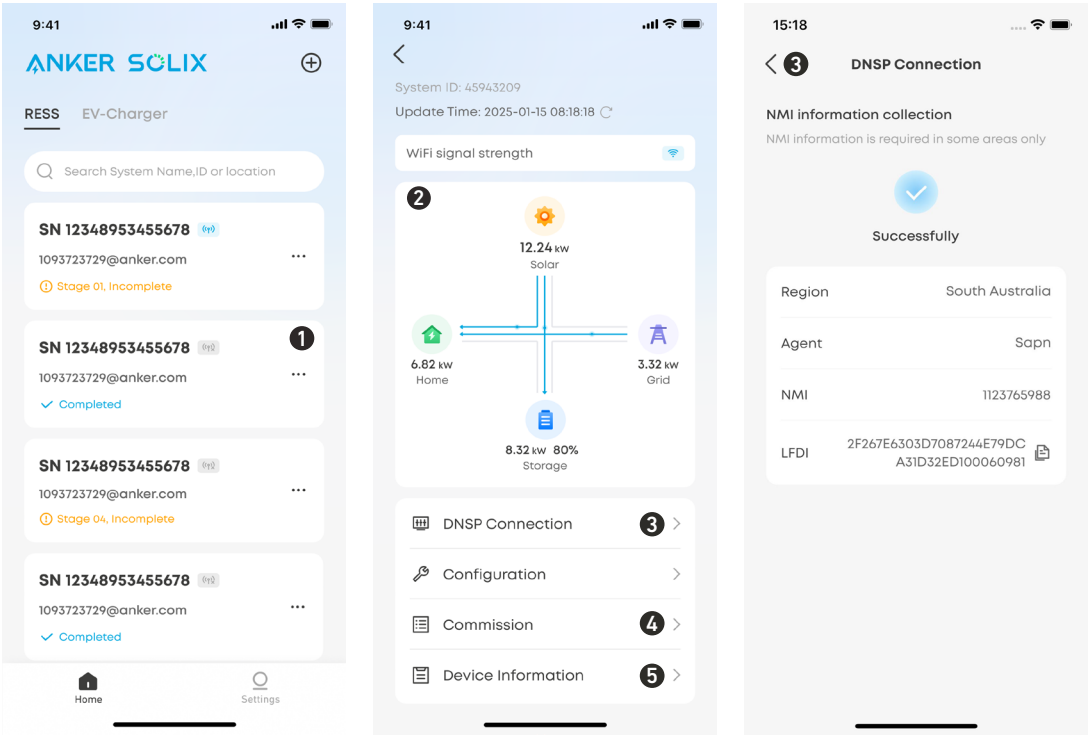


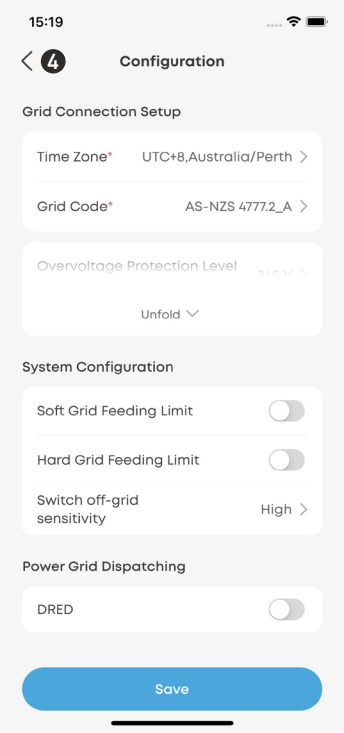


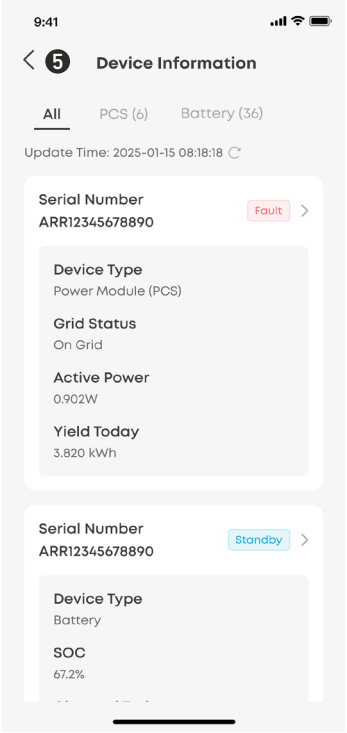
Manage System

Monitor System Status

1. Tap the system name from the home screen to access the **Monitor** screen.
2. The diagram shows the energy flows between the household loads, photovoltaic power, the grid, and the energy storagey system.
3. Tap **DNSP Connection** to **update** NMI information.
4. Tap **Configuration** to configure the system settings.
5. Tap **Device Information** to view device status.



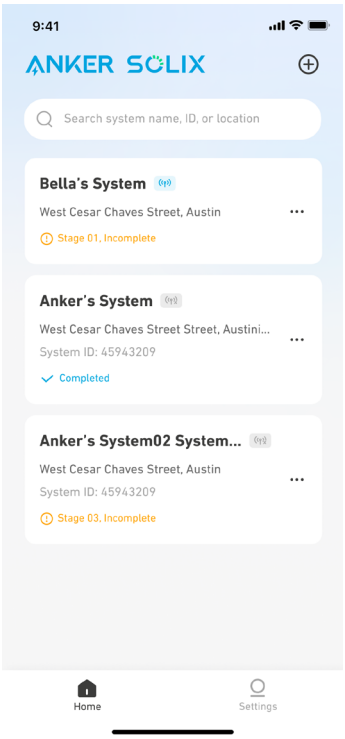




Check Commissioning Status

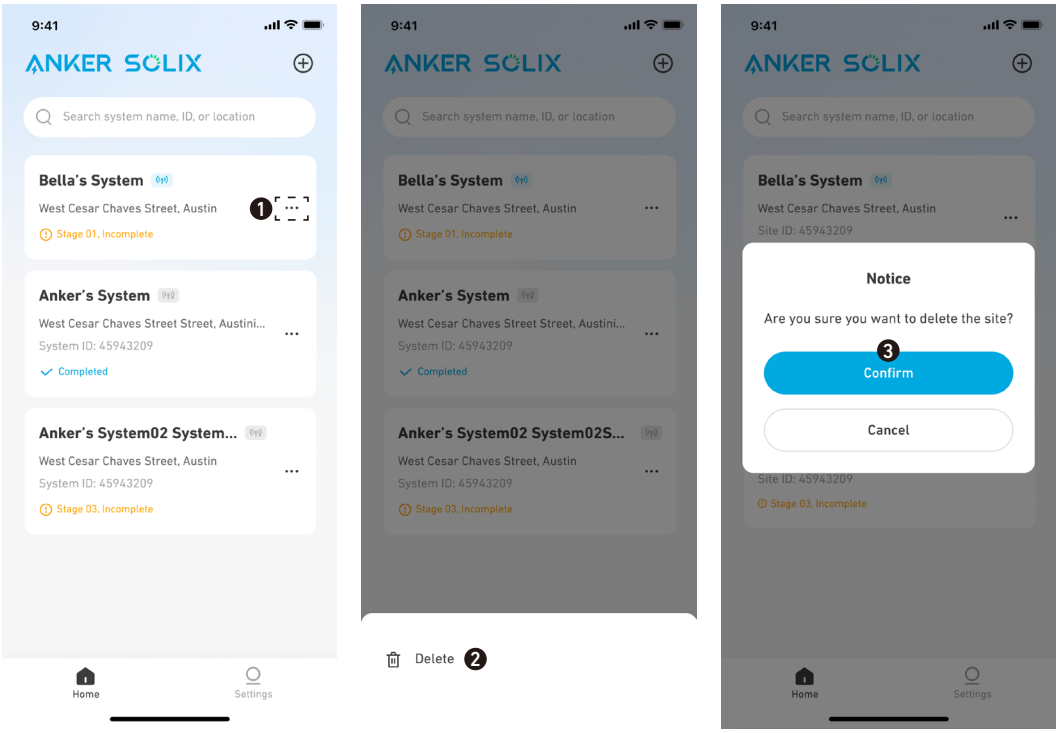
Check the commissioning status under the system name on the home screen.

- **Incomplete:** Tap the corresponding system name to continue with the commissioning process.
- **Completed:** The system commissioning has been completed.



Delete System

If necessary, delete a system that has not completed commissioning.

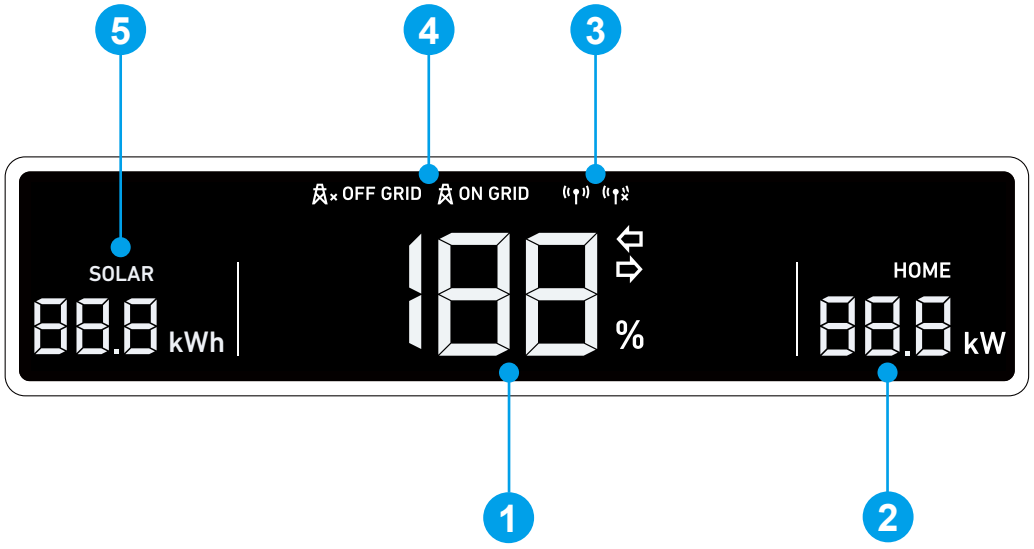


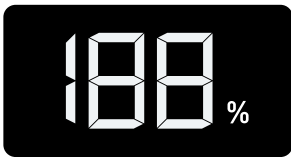
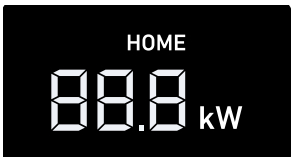
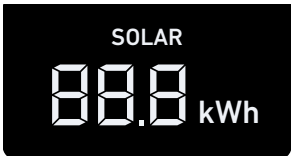
After commissioning, please inform the owner that the equipment can only be turned off using the Anker app until grid connection approval is granted. Once approval is complete, the equipment can be turned on and off using the Anker app.

8. Screen and Light Guide

8.1 LED Screen Guide

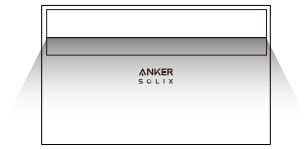
The LED screen of the power module will show you the working status of the system.



❶ Battery	 Overall Battery Level	
	 Recharging	 Discharging
❷ Home Loads	 Home Load Power	
❸ Internet	 Connected to the Internet	 Disconnected from the Internet
❹ Grid	 On Grid	 Off Grid
❺ Solar	 Cumulative Solar Energy for the Day	

8.2 Status Light Indication

The power module's light bar will indicate the system status.



Light Bar	Status
Flashing white once, and then steady white	Powered on
Flashing white	Configuring or connecting to the Internet
Steady white	On-Grid mode
Steady blue	Off-Grid mode
Flashing blue	Battery low in Off-Grid mode
Flashing red	Malfunction
Flashing white in sequence	Firmware upgrading

9. System Maintenance

9.1 Power Off the System

To power off the system:

1. Toggle the PV switch of the power module to OFF.
2. Press the black start button of the power module for 8 seconds.
3. Disconnect the circuit breaker between the power module and the grid.
4. Toggle the BAT switch of the power module to OFF.

⚠ • After the system powers off, residual electricity and heat may still cause electric shocks and burns. Wait for at least 1 minute after powering off the system before performing any operations.
• Only qualified professionals or trained personnel are allowed to operate and maintain the equipment.
• To force a startup of the power module, press the black start button for 3 seconds. To force a shutdown of the power module, press the same button for 8 seconds.

9.2 Routine Maintenance

To ensure the energy storage system operates properly for an extended period, it is recommended to perform routine maintenance.

⚠ Power off the system before cleaning it, connecting cables, and ensuring grounding reliability.

Check Item	Check Method	Maintenance Interval
System cleanliness	Check periodically that the heat sinks are free from obstacles and dust.	Once every 6 to 12 months
System running status	• Check that the battery is not damaged or deformed. • Check that the battery does not produce abnormal sound during operation. • Check that the battery parameters are correctly set when the battery is running.	Once every 6 months
Electrical connection	• Check that cables are securely fastened. • Check that cables are intact, and that in particular, the parts touching the metallic surface are not scratched. • Check that unused terminals and ports are locked by waterproof or dustproof caps.	The first inspection is 6 months after the initial commissioning. From then on, the interval can be 6 to 12 months.
Grounding reliability	Check that ground cables are securely connected.	The first inspection is 6 months after the initial commissioning. From then on, the interval can be 6 to 12 months.
Firmware version	Check that the firmware is updated to the latest version via the app.	Once every 6 months

9.3 Troubleshooting

Once a system fault is detected, you will receive push notifications via the Anker SOLIX Professional app, Anker SOLIX Professional (O&M Portal), or email. Please refer to the notifications for troubleshooting measures. If you require further assistance, please contact Anker Customer Service.

10. Customer Service

support@ankersolix.com

(AU) +61 1800 929 112

10-Year Limited Warranty

11. Specifications

Specifications are subject to change without notice.

Model	X1-H5K-T	X1-H8K-T	X1-H10K-T	X1-H12K-T
Battery Input				
Battery Type	LFP			
Voltage Range	350 - 450 VDC			
Battery Capacity	5 - 30 kWh			
PV Input				
Max. Input Power	10 kW	16 kW	20 kW	24 kW [1]
Max. Input Voltage	1000 VDC			
Operating Voltage Range	140 - 1000 VDC			
Start-Up Voltage	160 VDC			
MPPT Voltage Range	140 - 950 VDC			
Rated Input Voltage	600 VDC			
Max. Input Current	16 / 16 ADC			
Isc PV Array Short Circuit Current	20 / 20 ADC			
Number of MPPTs	2			
Number of Strings per MPPT	1			
AC Output (On-Grid)				
Rated Output Power	5 kW	8 kW	10 kW	12 kW
Rated Output Current	7.2 A	11.6 A	14.5 A	17.4 A
Max. Output Apparent Power	5.5 kVA	8.8 kVA	11 kVA	13.2 kVA
Max. Output Current	8.4 A	13.3 A	16.7 A	20 A
Rated Output Voltage	220 / 380 VAC, 230 / 400 VAC, 3L + N + PE			
Rated Frequency	50 / 60 Hz			
Max. Units in Parrallel	6			
Power Factor	0.8 ind - 0.8 cap			
THDU (@Linear Load)	< 2%			

AC Output (Off-Grid)				
Rated Output Power	5 kW	8 kW	10 kW	12 kW
Rated Output Current	7.2 A	11.6 A	14.5 A	17.4 A
Max. Output Apparent Power	5.25 kVA	8.4 kVA	10.5 kVA	12.6 kVA
Max. Output Current	7.2 A	11.6 A	14.5 A	17.4 A
Peak Output Apparent Power (Duration)	10 kVA (10s)	16 kVA (10s)	20 kVA (10s)	20 kVA (10s)
Rated Output Voltage	220 / 380 VAC, 230 / 400 VAC, 3L + N + PE			
Rated Frequency	50 / 60 Hz			
Max. Units in Parrallel	1			
THDU (@Linear Load)	< 2%			
Switch Time	< 10 ms (Typical)			
AC Input				
Max. Input Apparent Power	10 kVA	16 kVA	20 kVA	20 kVA
Max. Input Current	15.2 A	24.3 A	30.3 A	30.3 A
Protection				
Anti-Isoation Protection	Yes			
Over Current Protection	Yes			
AC Short-Circuit Protection	Yes			
Over Voltage Protection	Yes			
DC Surge Protection	Type II			
AC Surge Protection	Type III			
Over Temperature Protection	Yes			
PV Input Reverse Polarity Protection	Yes			
Battery Input Reverse Polarity Protection	Yes			
Insulation Impedance Detection	Yes			
Residual Current Detection	Yes			
Efficiency				
Max. Efficiency	97.9%	98.0%	98.0%	98.0%
Connectivity				
Internet Connectivity	Wi-Fi, Bluetooth, Ethernet, 4G (Optional)			
Other				
Weight	30 kg			
Dimensions (W × H × D)	670 × 450 × 150			
Noise	≤ 30 dB [2]			
Operation Temperature	-25℃ to 60℃ [3]			
Relative Humidity	0 to 100%			
Max. Operating Altitude	Up to 4000 m. Power derates from 2000 m.			
Ingress Protection Rating	IP66			

[1] (1) Power derates once ambient temperature exceeds 35°C. (2) This value refers to the maximum power capability of the PV inverter interface. Actual power varies depending on the PV panel open circuit voltage and power rating.

[2] Tested in Anker laboratory at 1 m distance and typical scenarios.

[3] Power derates once ambient temperature exceeds 45°C.

Note:

1. For battery supply (no matter how many battery modules in one system or parallel systems), the max. short circuit current is 970 A, and the max. D.C. voltage is 550 V.
2. Both the grid port and the backup port support three phase unbalanced output, and each phase can be connected to loads of different power. The maximum output power per phase for different models is shown in the table below:

Model	Max. Output Power per Phase
X1-H5K-T	1.66 kW
X1-H8K-T	2.66 kW
X1-H10K-T	3.33 kW
X1-H12K-T	4 kW

12. Safety Information

IMPORTANT SAFETY INSTRUCTIONS

Symbols

Symbol	Description
	**Caution** Indicates a low-risk hazard. Failure to avoid this hazard could result in minor or moderate injury.
	**Warning** Indicates a hazard with a moderate level of risk. Failure to avoid this hazard could result in death or serious injury.
	**Danger** Indicates a highly risky hazard. Failure to avoid this hazard could result in death or serious injury.
	**Refer to Operating Instructions** Indicates that users should refer to operating or installation instructions before proceeding.
	**Risk of Electric Shock from Stored Energy** Indicates discharge time is 1 minute from de-energization.
	**Risk of Electric Shock** Indicates components that present risk of electrical shock.
	**Caution, Hot Surface** Indicates that equipment surfaces may be hot and pose a burn risk.
	**PE Conductor Terminal** Indicates a terminal that allows the electrical connection of conductors for earthing or grounding purposes.

General Information

SAVE THESE INSTRUCTIONS - This document contains important instructions that must be followed during installation, use, and maintenance.



Read instructions carefully before performing any operation on the equipment.

Do not make any changes or create settings that are not described in this document. If physical injury, loss of data, or damage is caused by failure to follow instructions, the warranty does not apply.

Battery Safety

General Instructions Regarding Removal and Installation of Batteries:

- When replacing batteries, replace with the same type and number of batteries.
- Do not dispose of batteries in a fire. The batteries may explode.
- Do not open or damage batteries. Released electrolytes may be toxic and are harmful to skin and eyes.
- A battery can present a risk of electrical shock and high short-circuit current. The following precautions should be observed when working on batteries:

a) Remove watches, rings, or other metal objects.
b) Use tools with insulated handles.
c) Wear rubber gloves and boots.
d) Do not lay tools or metal parts on top of batteries.
e) Disconnect the charging source prior to connecting or disconnecting battery terminals.
f) Determine if the battery is inadvertently grounded. If inadvertently grounded, remove the source from the ground. Contact with any part of a grounded battery can result in electrical shock. The likelihood of such shock can be reduced if such grounds are removed during installation and maintenance (applicable to equipment and remote battery supplies not having a grounded supply circuit).

WARNING: A BATTERY CAN PRESENT A RISK OF ELECTRICAL SHOCK, BURN FROM HIGH SHORT-CIRCUIT CURRENT, FIRE, OR EXPLOSION FROM VENTED GASES. OBSERVE PROPER PRECAUTIONS.
WHEN REPLACING BATTERIES, USE THE SAME NUMBER AND THE FOLLOWING TYPE OF BATTERIES: LiFePO4.
PROPER DISPOSAL OF BATTERIES IS REQUIRED. REFER TO YOUR LOCAL CODES FOR DISPOSAL REQUIREMENTS.

WARNING:
- Replacing a battery with an incorrect type may nullify safeguards and create danger;
- Disposal of the battery/equipment in a fire or another source of significant heat, or by mechanically crushing or cutting the battery/equipment may result in an explosion;
- Leaving the battery/equipment in an extremely hot environment may result in an explosion or leakage of flammable liquids or gases;
- Subjecting the battery/equipment to extremely low air pressure may result in an explosion or leakage of flammable liquids or gases.

Personal Safety



To reduce the risk of burns, do not touch the equipment surfaces as they may be hot.



Never touch the enclosure of operating equipment.

- Ensure that power is off during installation. Do not install or remove a cable with the power on.
- Non-standard and improper operations on the energized equipment may cause fire, electric shocks, or explosion, resulting in property damage, personal injury, or even death.
- Before operations, remove conductive objects such as watches, bracelets, bangles, rings, and necklaces to prevent electric shocks.
- During operations, use dedicated insulated tools to prevent electric shocks or short circuits.
- Do not make contact with other conductors, or indirect contact with power supply equipment through damp objects.
- Do not power on the equipment until it has been installed or confirmed by a professional.
- Only qualified professionals or trained personnel are allowed to install, operate, and maintain the equipment.
- If there is a probability of personal injury or equipment damage during operations on the equipment, immediately stop the operation, report the case to the supervisor, and take feasible protective measures.
- Do not touch the energized equipment, as the enclosure may be hot.

Electrical Safety



Do not disconnect under load!



Use conductors with insulation rated for at least 90 °C / 194 °F .



Do not wire when energized.



Risk of electric shock. Terminals on the line and load sides may be energized when circuit breakers are in the open position.



Risk of electric shock from stored energy. Start maintaining the equipment at least 1 minute after the equipment disconnects from all external power supplies.

- Before installation, ensure that the equipment is intact. Otherwise, electric shocks or fires may occur.
- Non-standard and improper operations may result in fire or electric shocks.
- Prevent foreign matter from entering the equipment during operations.
- Do not route cables behind the air intake and exhaust vents of the equipment.
- For the equipment that needs to be grounded, install the ground cables first when installing the equipment and remove the ground cables last when removing the equipment.
- Before installing or removing power cables, the equipment and its switches must be disconnected.
- Do not damage the grounding conductors.
- The equipment terminals are used for electrical connections only.
- Ensure that the power module is connected to external breakers for the AC output circuit and the battery circuit.
- Ensure that all electrical connections comply with local electrical standards.
- Obtain approval from the local electric utility company before using the equipment in grid-tied mode.
- Ensure that the cables you prepared meet local regulations.
- The maximum operating temperature for the included cables is 221 °F / 105°C.
- Use dedicated insulated tools when performing high-voltage operations.
- Before making electrical connections, switch off the disconnector on the upstream device to cut off the power supply if people may come into contact with energized components.
- Before connecting a power cable, check that the label on the power cable is correct.
- If the equipment has multiple inputs, disconnect all the inputs before operating the equipment.

Environmental Requirements

- Do not expose the equipment to flammable or explosive gas or smoke. Do not perform any operation on the equipment in such environments.
- Do not store any flammable or explosive materials near the equipment.
- Install the equipment in an area far away from liquids and in a well ventilated environment.
- To prevent fire due to high temperature, ensure that the ventilation vents or heat dissipation system are not blocked when the equipment is running.

Mechanical Safety

- Do not drill holes into the equipment.
- Wear goggles and protective gloves when drilling holes.
- When moving the equipment by hand, wear protective gloves to prevent injuries.
- Clean up any debris that may have accumulated within or around the equipment after drilling.
- Be cautious to avoid injury when moving heavy objects.

Commissioning

- When the equipment is powered on for the first time, ensure that professional personnel set parameters correctly. Incorrect settings may result in inconsistency with local certification and affect the normal operation of the equipment.

Maintenance and Replacement



Disconnect all sources of supply before servicing.



Replace only with the same ratings and type of a fuse.



Disconnect supply before changing a fuse.



Only certified professionals are allowed to install and maintain the battery and external power supplies. Establish secure earth connections to mitigate high touch current before connecting to the power supply.



Do not disassemble the equipment without authorization. Tampering with the equipment will invalidate the warranty.

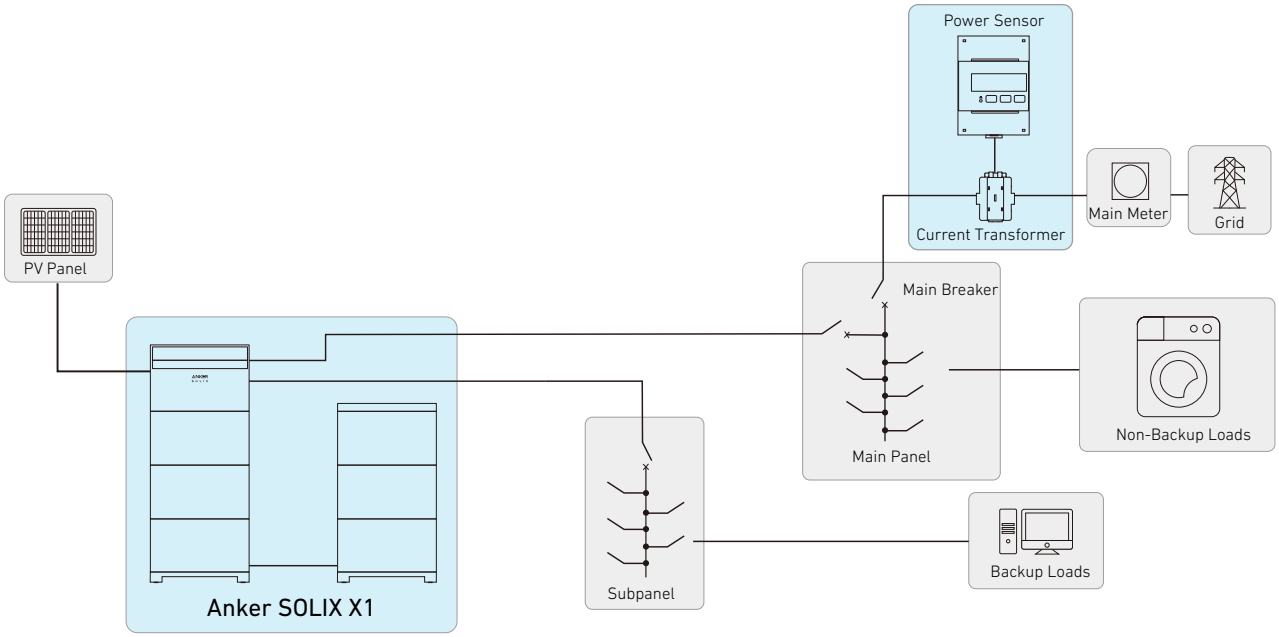
- High voltage generated by the equipment during operation may cause an electric shock, which could result in death, serious injury, or serious property damage.
- Prior to maintenance, power off the equipment and strictly comply with the safety precautions in this document and relevant documents.
- After powering off the equipment, wait at least 6 minutes before disassembling any cables or components.
- Maintain the equipment with proper tools, testing equipment, and sufficient knowledge of this document.
- Turn off the equipment switches when maintaining the electric devices or power distribution devices connected to the equipment.
- Place temporary warning signs or erect fences to prevent unauthorized access to the maintenance site.
- If the equipment is faulty, contact your supplier.
- The equipment can be powered on only after all faults are rectified. Failing to do so may escalate faults or damage the equipment.
- Repaint any paint scratches caused during equipment transportation or installation in a timely manner. Equipment with scratches must not be exposed for an extended period of time.

Appendix A. System Wiring

These diagrams are for illustration purposes only and represent sample site layouts to show system layout and metering. Please note that they depict common configurations and are not the only allowable ones. They should not be considered complete plan sets.

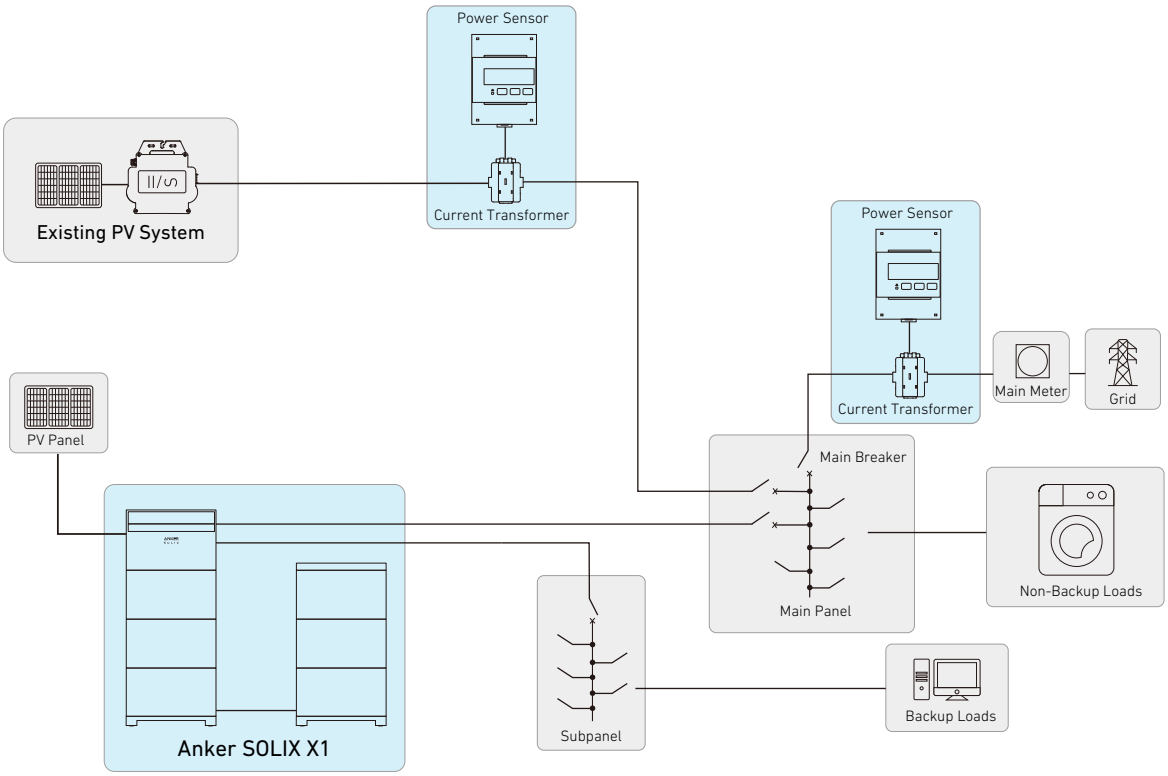
New-Build Scenario

The following diagram shows the wiring for installation with an existing PV system.

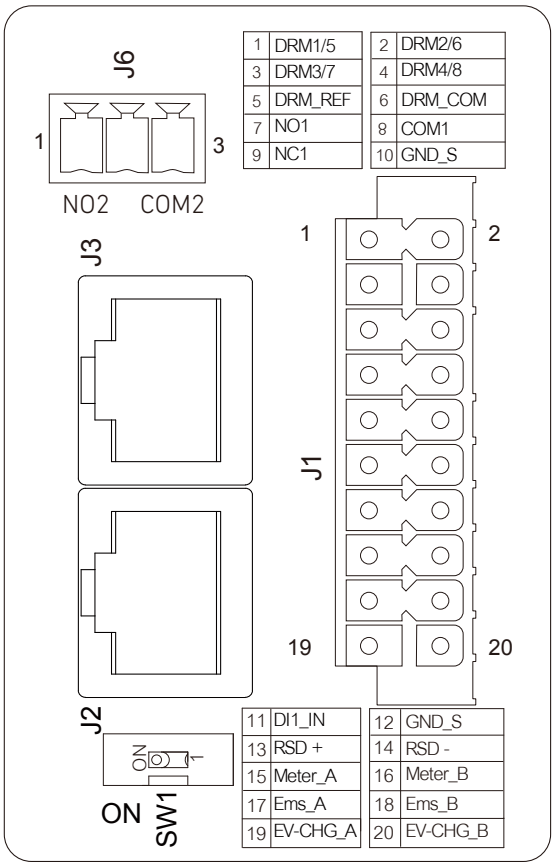


Retrofit Scenario

The following diagram shows the wiring for installation with an existing PV system.



Appendix B. Communication Ports and Terminals



1	DRM1/5	2	DRM2/6
3	DRM3/7	4	DRM4/8
5	DRM_REF	6	DRM_COM
7	NO1	8	COM1
9	NC1	10	GND_S

11	DI1_IN	12	GND_S
13	RSD +	14	RSD -
15	Meter_A	16	Meter_B
17	Ems_A	18	Ems_B
19	EV-CHG_A	20	EV-CHG_B

Note: The appearance of the J1 terminals may vary due to batch variations.

Terminal/Port			Definition
J1	1	DRM1/5	DRM Terminals
	2	DRM2/6	
	3	DRM3/7	
	4	DRM4/8	
	5	DRM REF	
	6	DRM COM	
	7	NC1	Reserved
	8	COM1	
	9	NC1	
	10	GND_S	Shield Grounding
	11	DI1 IN	Emergency Stop Digital Input
	12	GND_S	Shield Grounding
	13	RSD_+	Rapid Shutdown Devices
	14	RSD_-	
	15	Meter_A	Communication for Power Sensors
	16	Meter_B	
	17	Ems_A	Communication for Energy Management Systems
	18	Ems_B	
	19	EV-CHG_A	Communication for EV Charging
	20	EV-CHG_B	
J2	/	RJ45	Parallel Connection of Power Modules
J3	/	RJ45	
J6	/	NO2	Dry Contacts for Generators, Loads, and Heat Pump
	/	COM2	

Appendix C. Power Sensor Wiring Diagrams

Anker SOLIX X1-H(5~12)K-T Meter Wiring Diagrams (AU)

Appendix D. Power Module Parallel Instructions

AC Grid Port Parallel (Two Power Modules)
AC Grid Port Parallel (More Than Two Power Modules)

Appendix E. Modbus Protocol Guide

Anker SOLIX X1 Series Modbus Protocol

Appendix F. Enable Time-of-Use (TOU) Mode in Anker App

What is TOU Mode

Time-of-Use (TOU) mode is an energy optimization feature designed to maximize savings. It works by managing charging and discharging cycles intelligently. When this mode is enabled, your system charges during periods of the lowest utility rates and powers your home during high-rate periods. This approach helps reduce your overall energy costs.

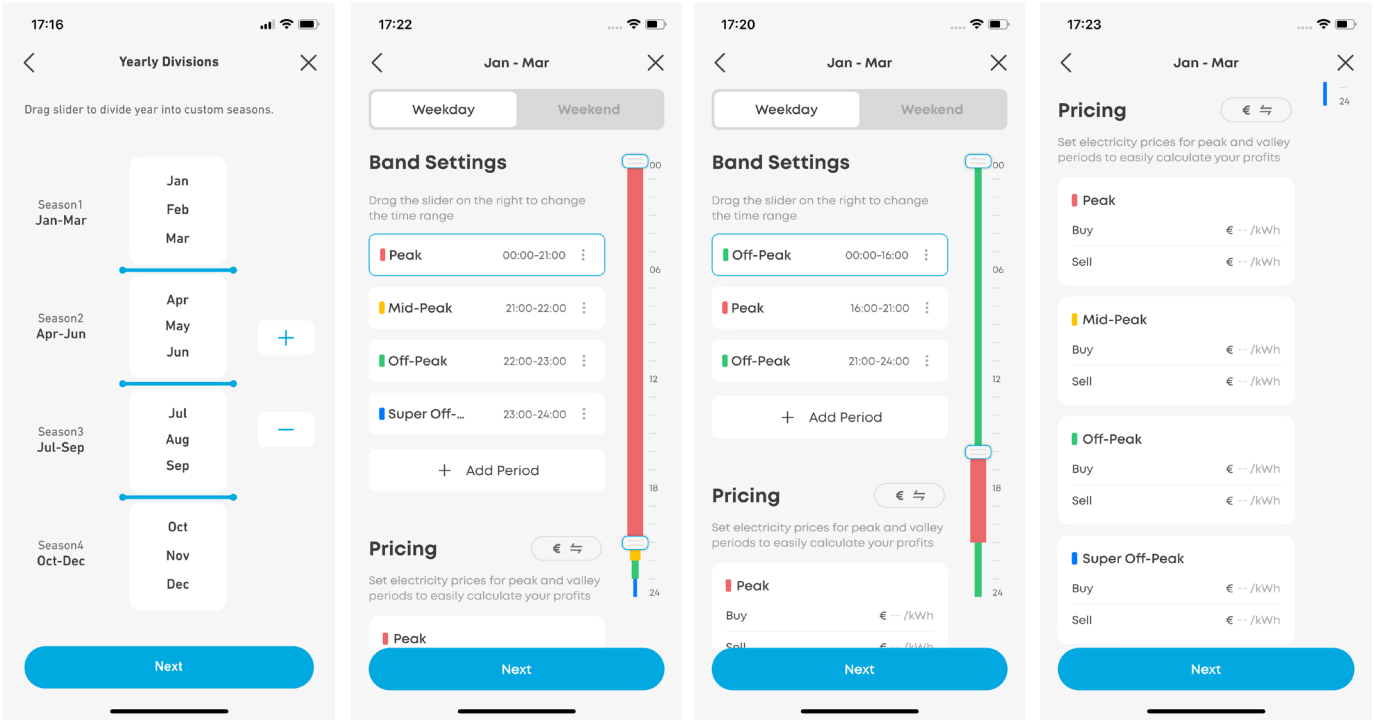
How TOU Mode Works

TOU mode optimizes energy usage based on your utility rate plan. The plan determines the cost of electricity based on:

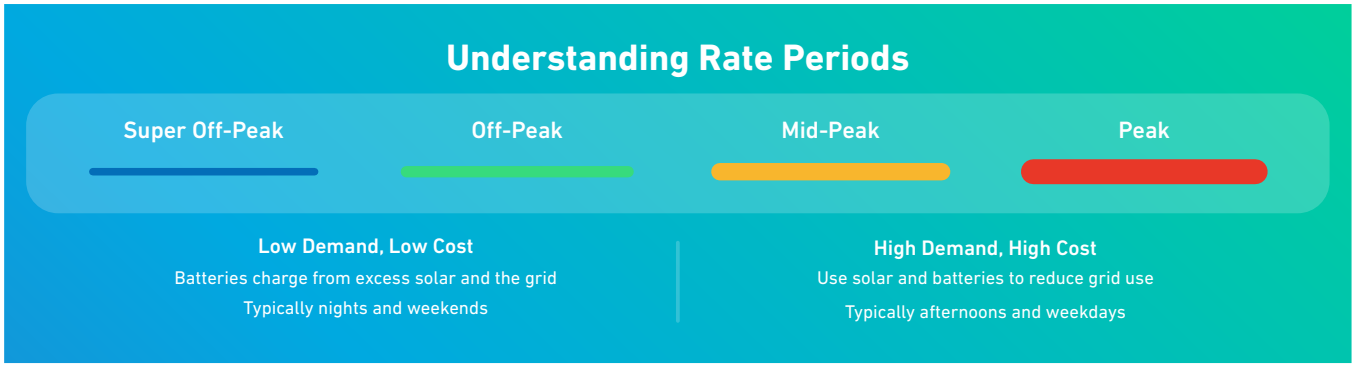
- Time of day
- Day of the week
- Season

Key Elements of TOU Mode

Season	Time Period	Weekend	Pricing



- **Season:** Energy prices vary by season due to supply and demand changes.
- **Time Period:** Energy prices fluctuate throughout the day, categorized into:
  - Off-Peak
  - Super Off-Peak
  - Mid-Peak
  - Peak



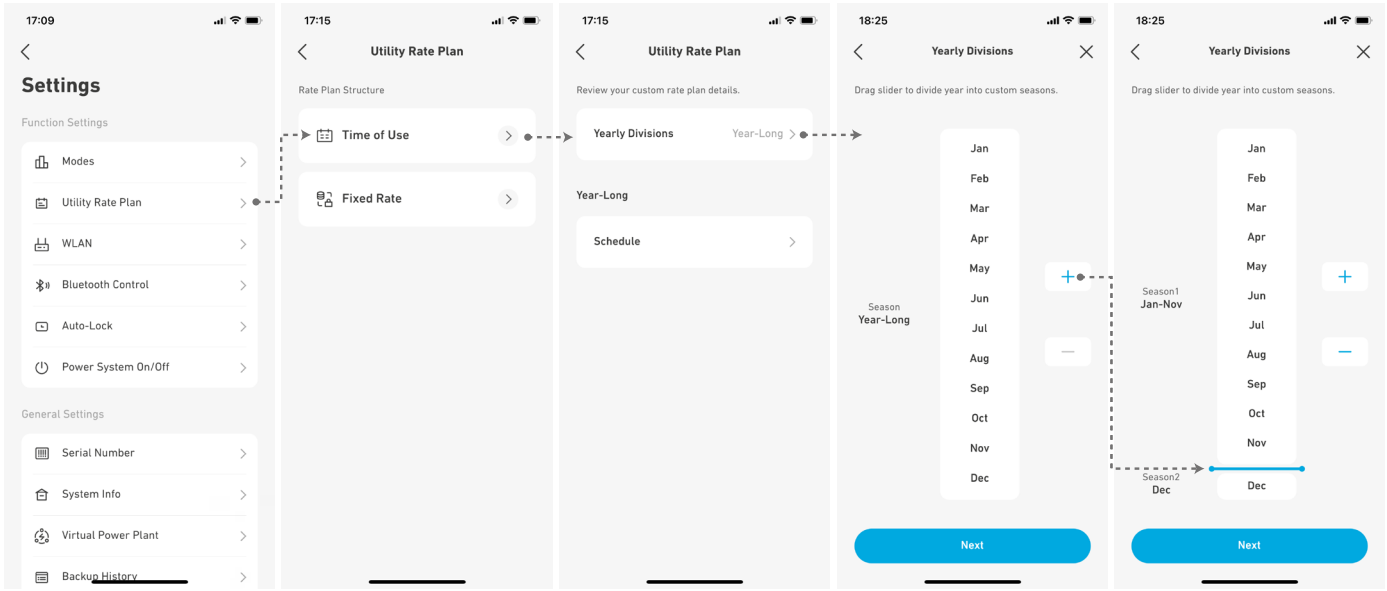
- **Weekend:** Special rates may apply on weekends, often featuring super off-peak periods.
- **Pricing:** Includes costs for importing (buying) and exporting (selling) energy.

Setting Up TOU Mode

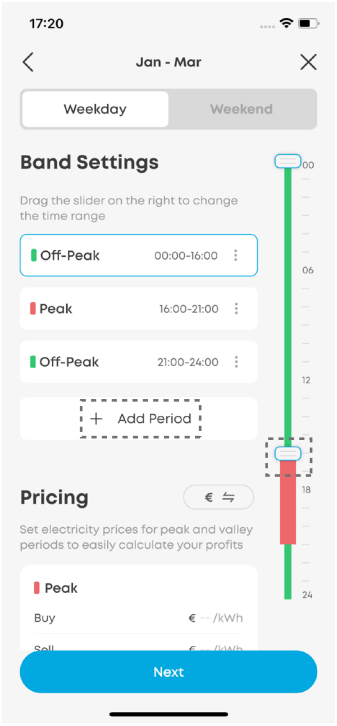
Before activating TOU mode in the Anker app, configure your utility rate plan. This information is typically available on your electric bill or the utility website. You can also contact your utility provider for assistance.

To set up TOU mode, follow these steps:

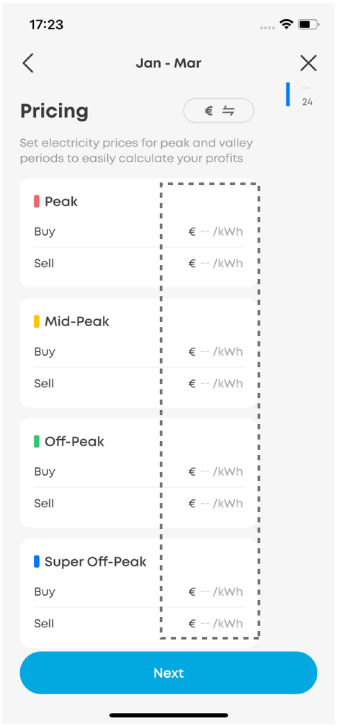
1. Open the Anker app.
2. Navigate to the **Settings** menu from the home screen.
3. Tap **Utility Rate Plan** and select **Time of Use**.
4. Choose either **Seasons** or **Year-Long** based on your rate structure.
   - If using **Year-Long**, proceed to the next step.
   - If using **Seasons**, set your season with the handles. You can add or remove seasons using the + or –. Up to five seasons are supported.



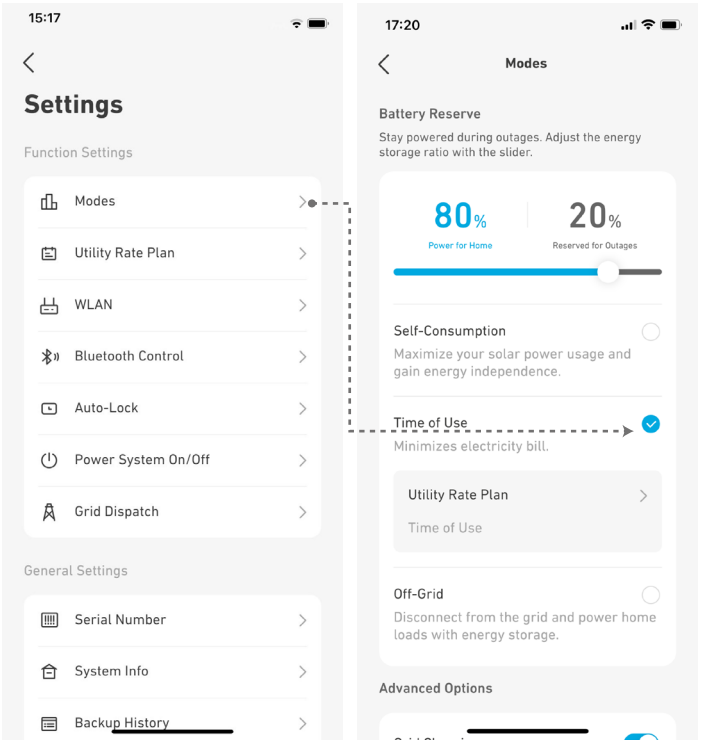
5. Edit time periods by dragging the slider. Tap **Add Period** to include additional periods. Repeat this for weekends if necessary.



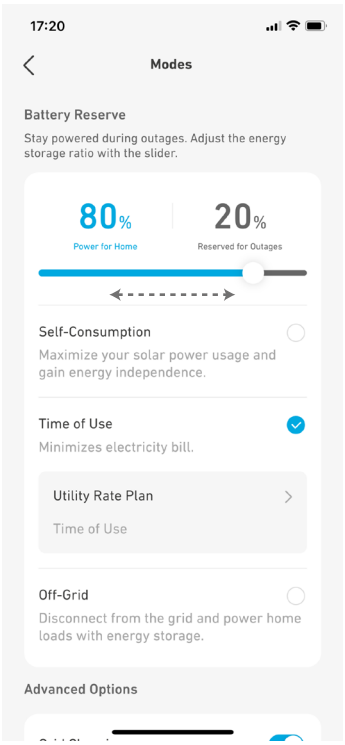
6. Enter the rate pricing. Set unique "buy" and "sell" prices for each time period.



7. Repeat steps 5 and 6 for all time periods and seasons.
8. Review the summary screen and tap **Save**.
9. Return to **Settings** and select **Modes** > **Time of Use**.



10. Adjust the slider to set your preferred reserve.
   · A lower reserve percentage allows more battery capacity for daily use.
   · A higher reserve percentage saves more energy for grid outages.



Once enabled, you can monitor your system's performance through the visuals on the Anker app home screen.