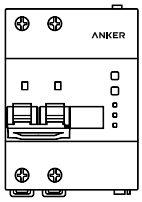
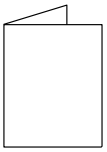
**What's in the Box**
**System Overview**
Whole Home Backup
Partial Home Backup
**Product Overview**
At a Glance
Button Guide
LED Guide
**Tools Not Supplied**
**Installation**
**Electrical Connection**
Wiring Diagram
Connect the AC Cables
Connect the Communication Cable
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Download the Anker App
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System Configuration
**Appendix 1: Specifications**
**Appendix 2: Compatible Inverters**

# What's in the Box

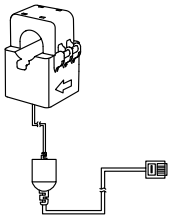



Anker SOLIX Backup Auto-Switch
(Single-Phase)



Documents

## Optional Accessory

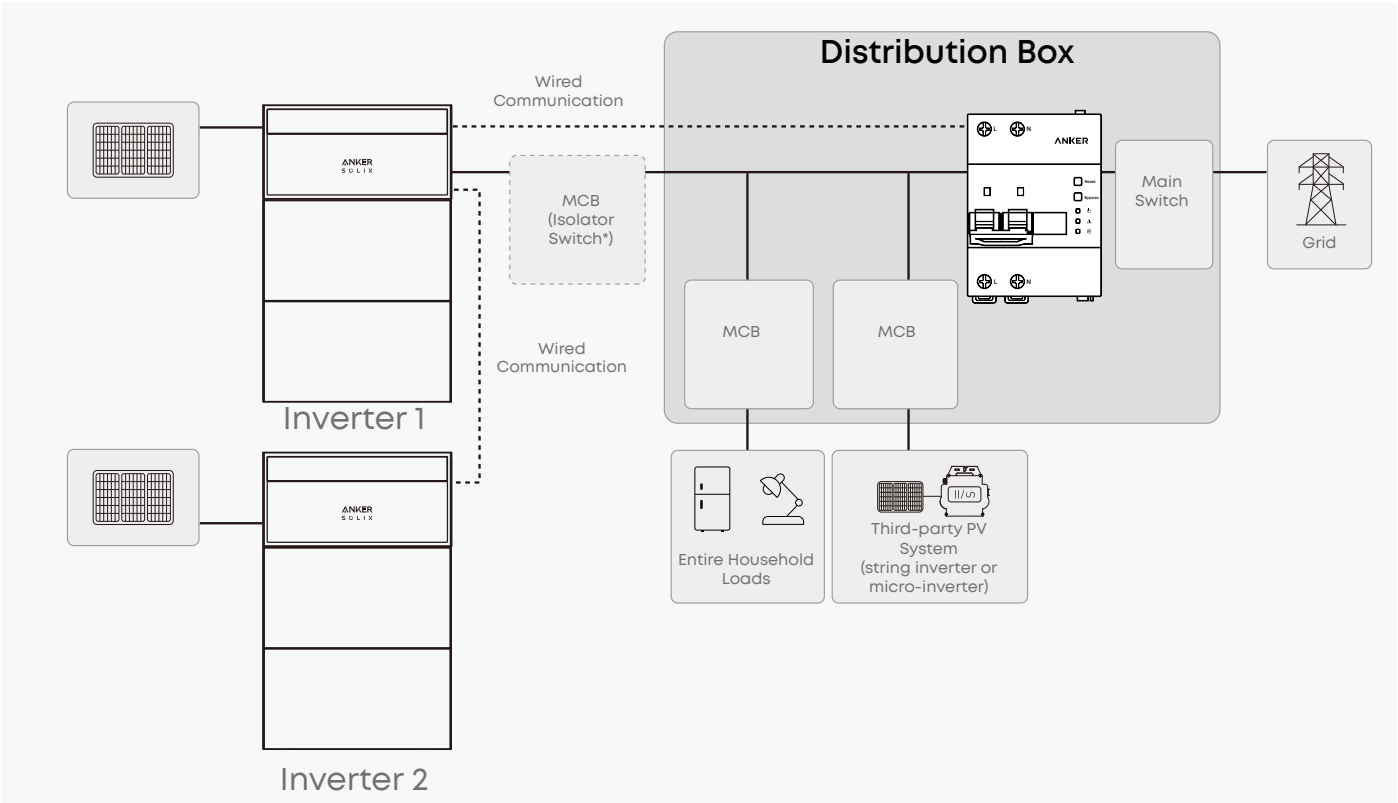


Simple CT Cable Assembly
(63A/120A)

# System Overview

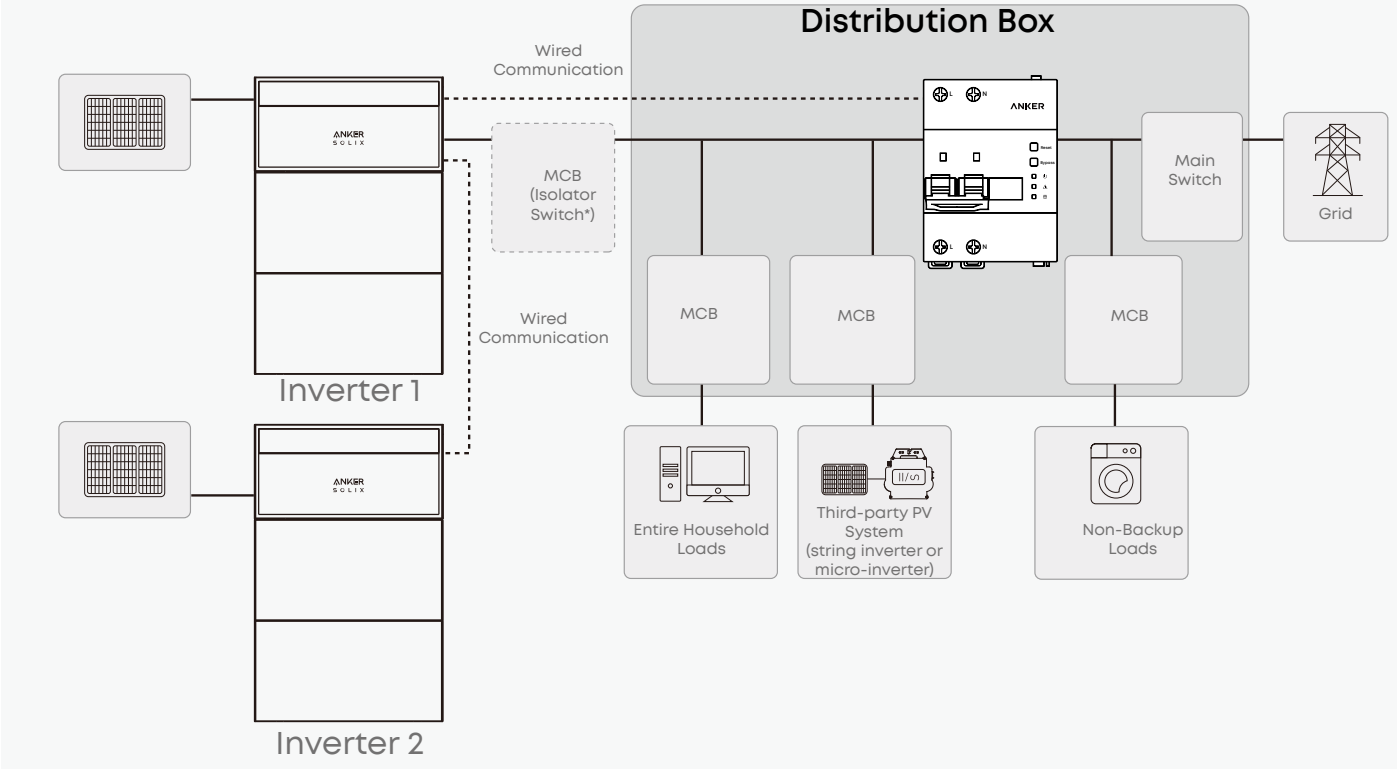
When connecting the inverter to the Backup Auto-Switch, a maximum of two units are supported in parallel.

# Whole Home Backup




*An isolator switch may be required by local regulations..

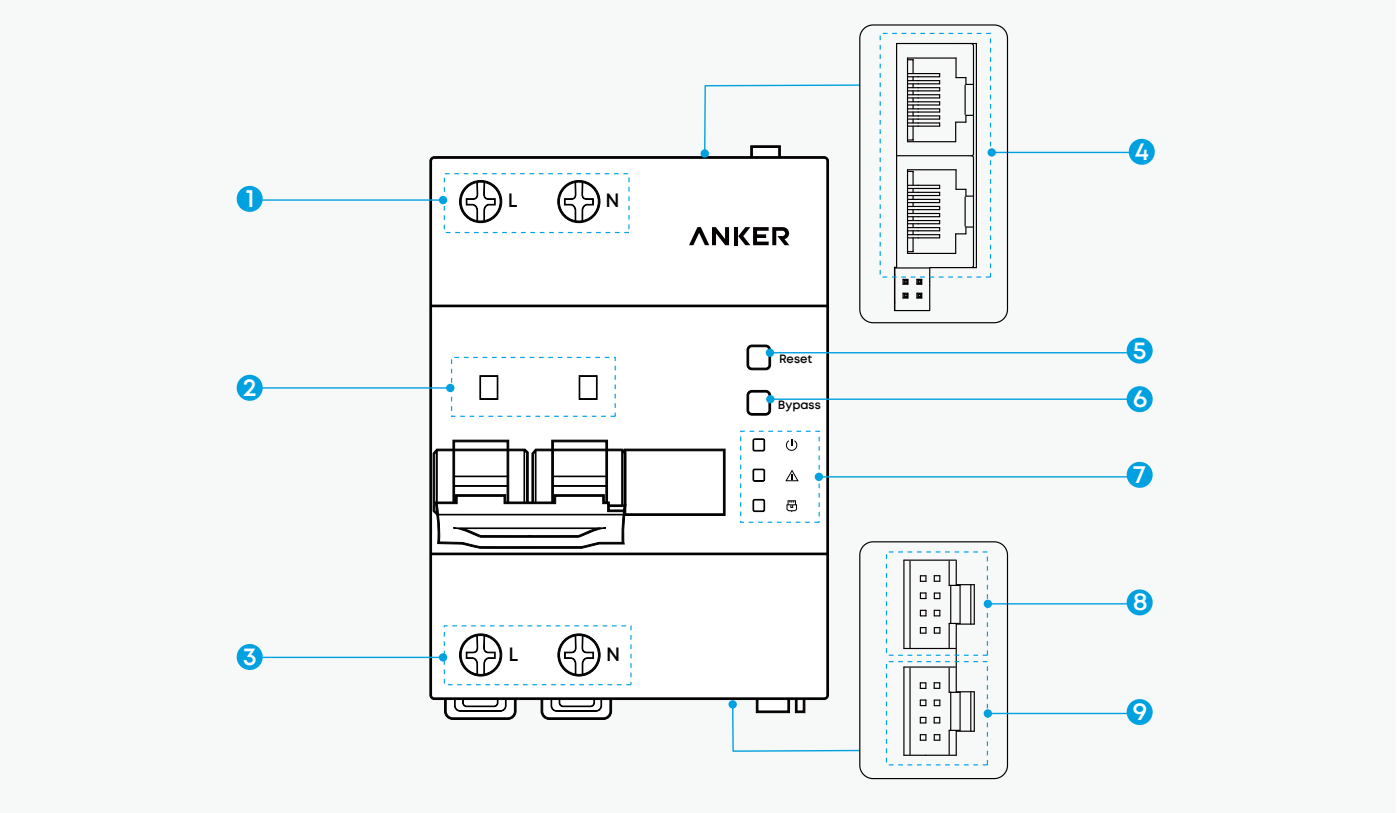
# Partial Home Backup




*An isolator switch may be required by local regulations.

# Product Overview

## At a Glance

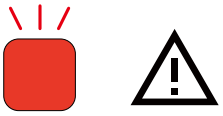
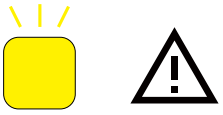



1. L, N Terminals (Input)
2. Switch Status Indicator
3. L, N Terminals  (Output)
4. Communication Ports (RJ45)
5. Reset Button
6. Bypass Button
7. LED Indicators
8. CT Ports (PV)
9. CT Port (Grid)

## Button Guide

| Button | Function |
|---|---|
| **Reset Button** | Press for 7s to reset the device.<br>*The device powers on automatically once wiring is complete. Do not press the Reset button to start it. |
| **Bypass Button** | If the Backup Auto-Switch malfunctions, press the button once, then turn on the  switch to maintain power supply. |

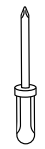
## LED Guide

| LED Indicator | Colour & State | Indication |
|---|---|---|
|  | Solid Blue | Working Normally |
|  | Solid Yellow | Bypass mode |
|  | Flashing Red | Hardware Malfunction |
|  | Flashing Yellow | Software Malfunction |
|  | Solid Blue | Normal Wired Communication with Inverter |

# Tools Not Supplied

· Prepare the following tools before installation. They are not included in the package.

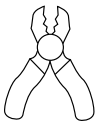
· Wear appropriate personal protective equipment (PPE) and follow safe electrical work practices.



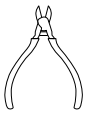
Phillips Screwdriver



Cable Cutter



Wire Stripper



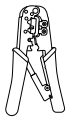
Pliers



Cold Terminal Crimping Pliers



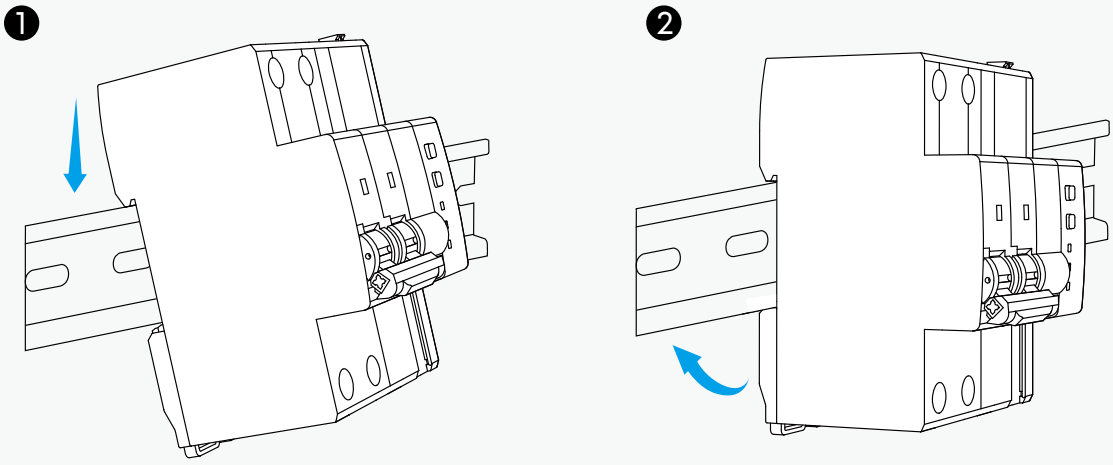
Cold-pressed Terminal



RJ45 Crimping Tool

# Installation

Mount the device to a 35 mm DIN rail.



# Electrical Connection

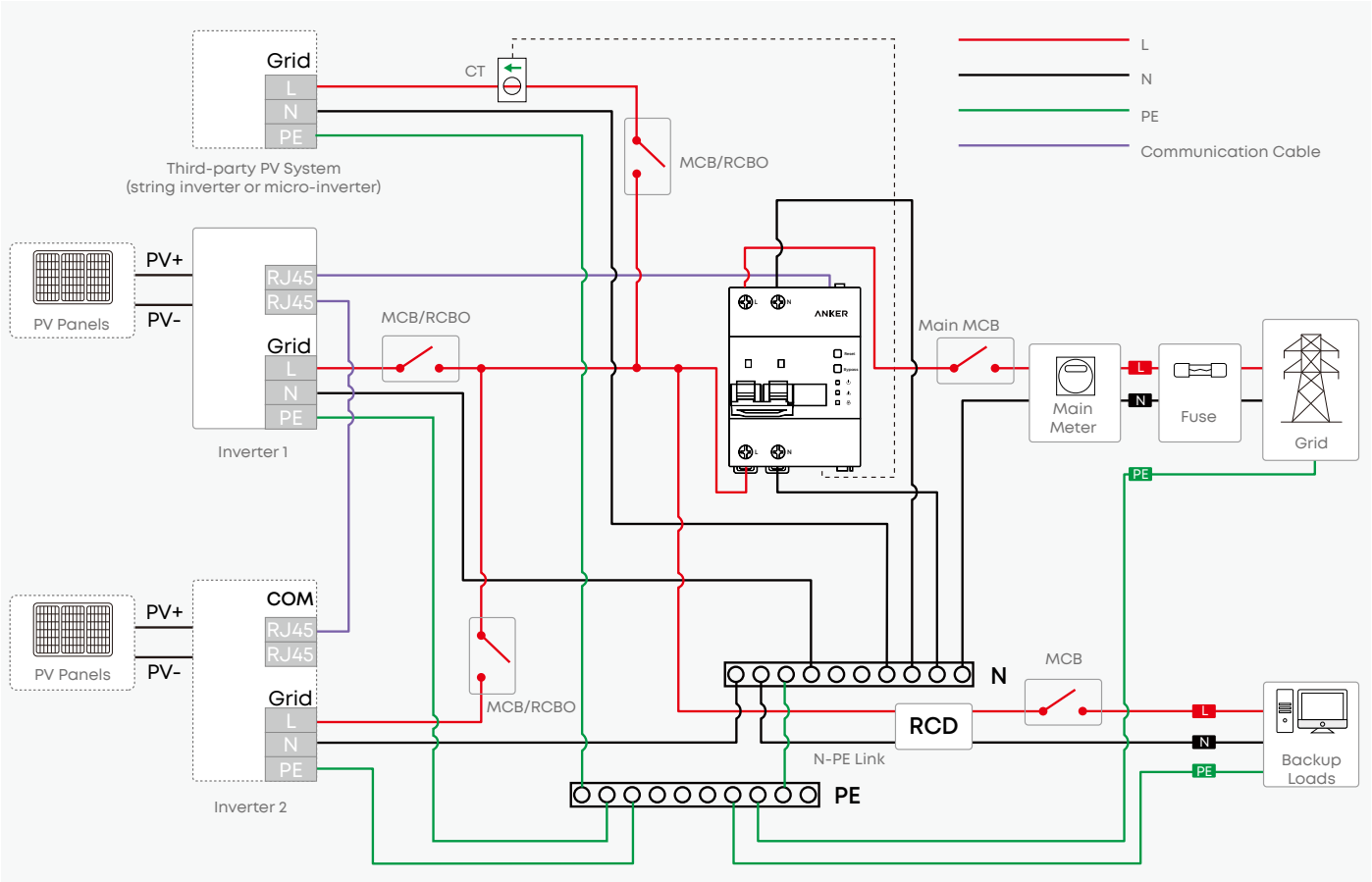
- Before wiring, ensure the main circuit breaker is off.
- All installation work must be performed by a licensed electrician. Failure to do so may result in electric shock, fire, or property damage.

## Wiring Diagram

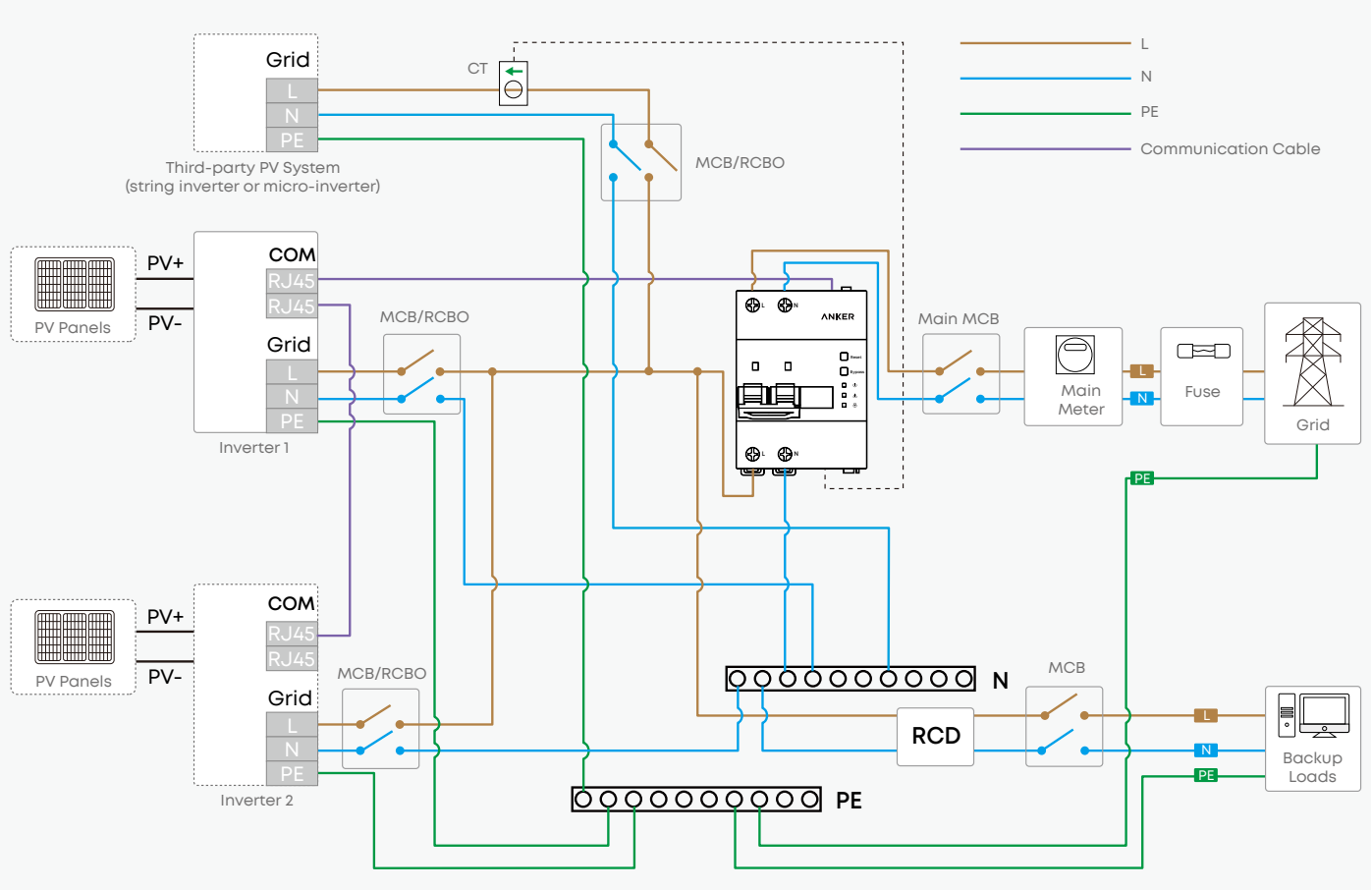
- Select the Backup Auto-Switch model based on your grid type: use the single-phase model with a single-phase energy storage system for a single-phase grid, and the three-phase model with a three-phase energy storage system for a three-phase grid.
- When the Backup Auto-Switch is installed, the Backup/Load Port on the inverter should not be connected.
- Dashed boxes indicate optional components.

### Whole Home Backup

**For AU**

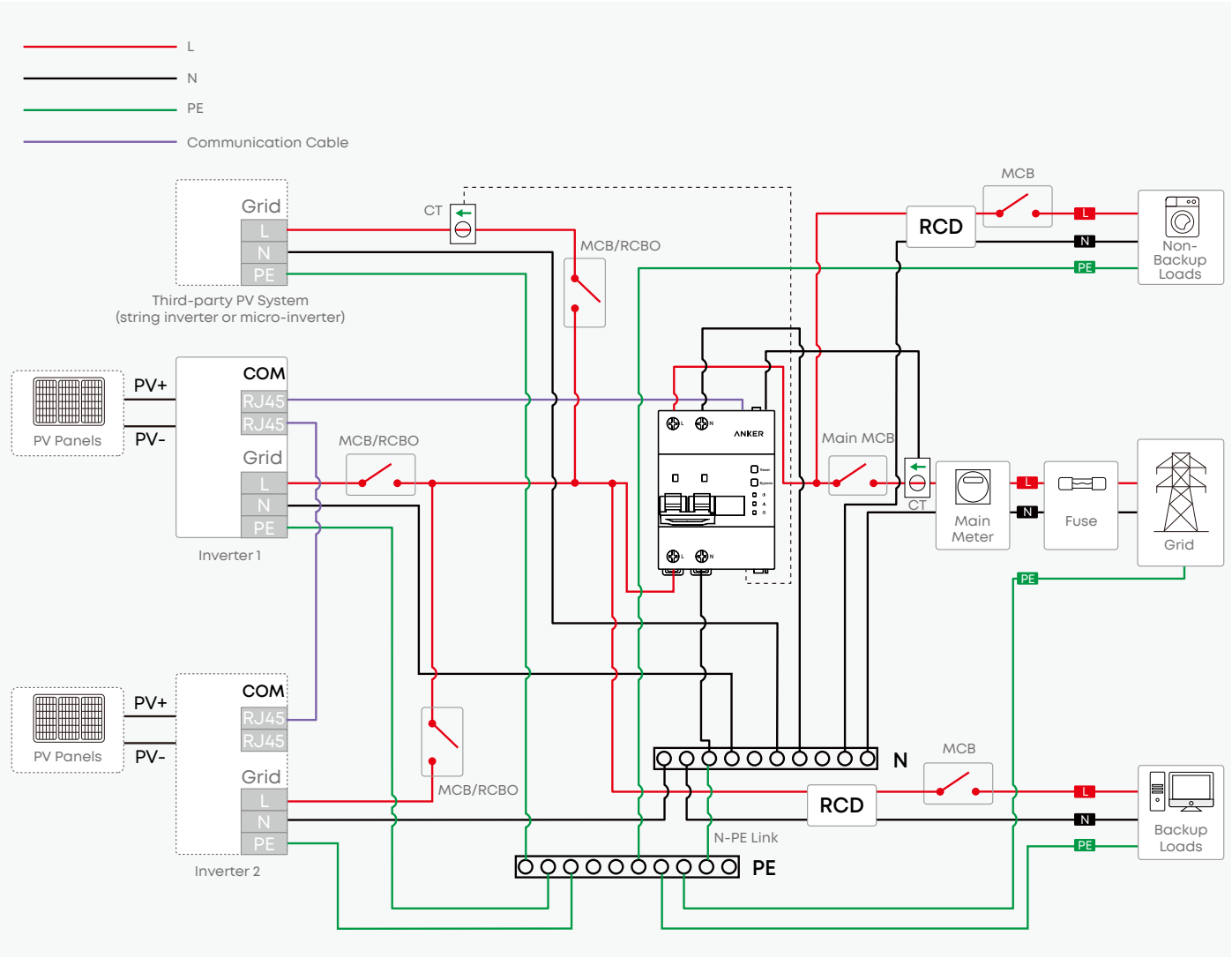


## For EU

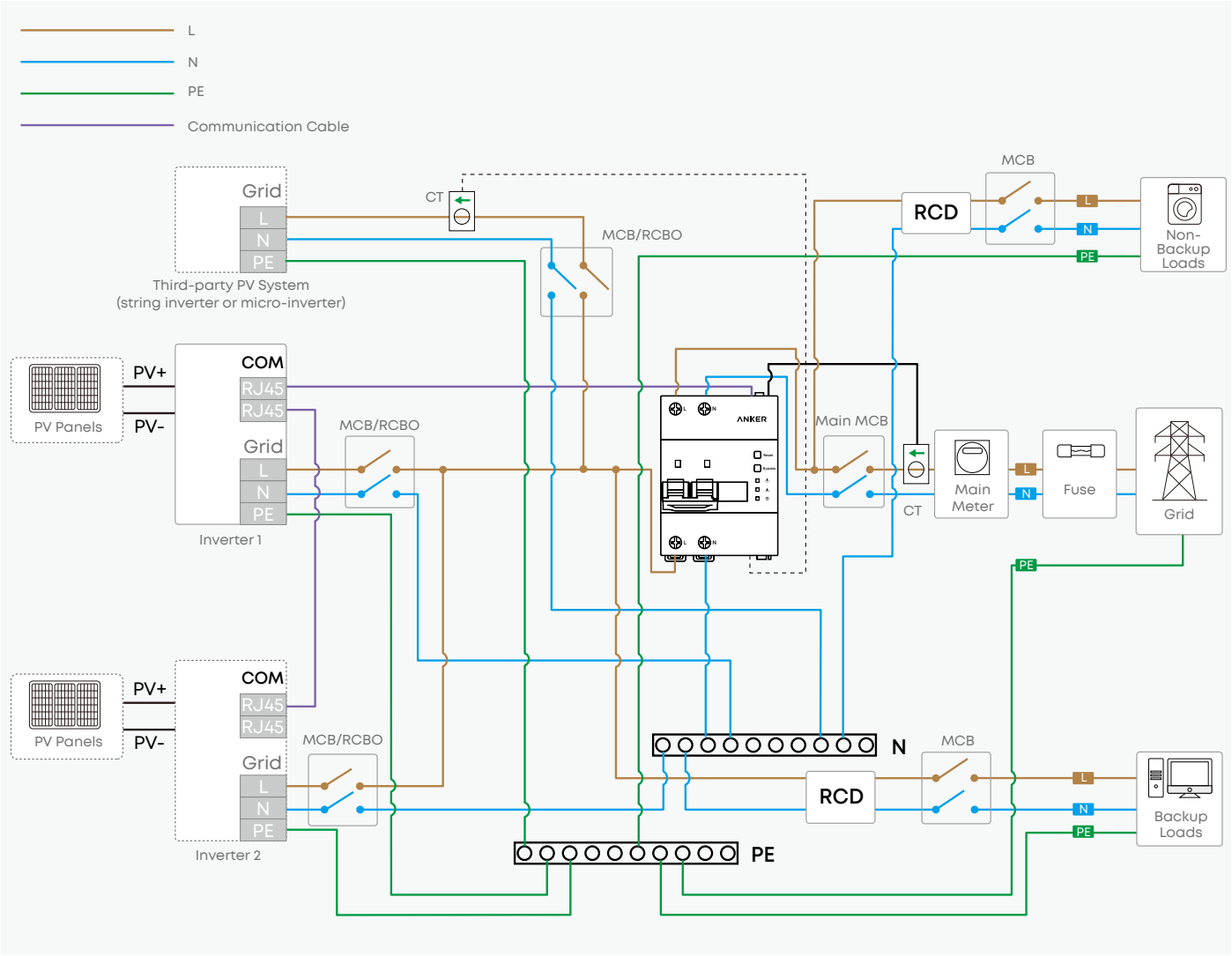

Grid
L
N
PE
Third-party PV System
(string inverter or micro-inverter)
CT
MCB/RCBO
L
N
PE
Communication Cable
PV Panels
PV+
PV-
COM
RJ45
RJ45
Grid
L
N
PE
Inverter 1
MCB/RCBO
ANKER
Main MCB
Main Meter
Fuse
Grid
PE
PV Panels
PV+
PV-
COM
RJ45
RJ45
Grid
L
N
PE
Inverter 2
MCB/RCBO
N
MCB
RCD
L
N
PE
Backup Loads
PE

# Partial Home Backup

## For AU



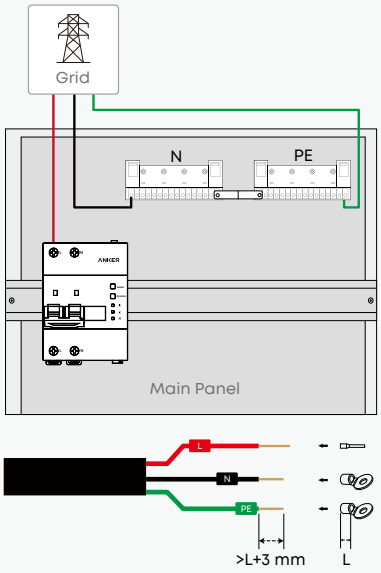
## For EU



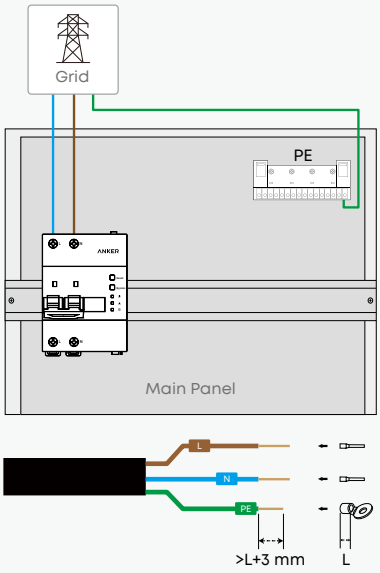

# Connect the AC Cables

## Input Terminals

### For AU

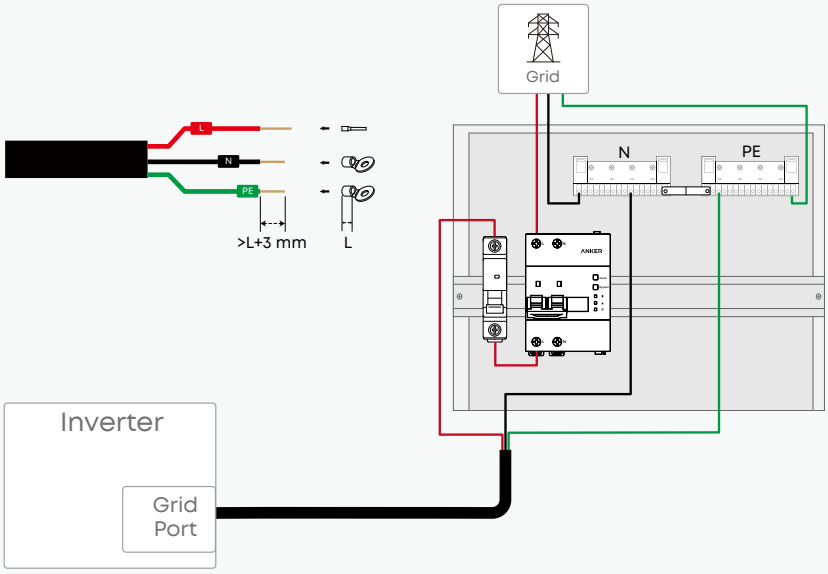



### For EU

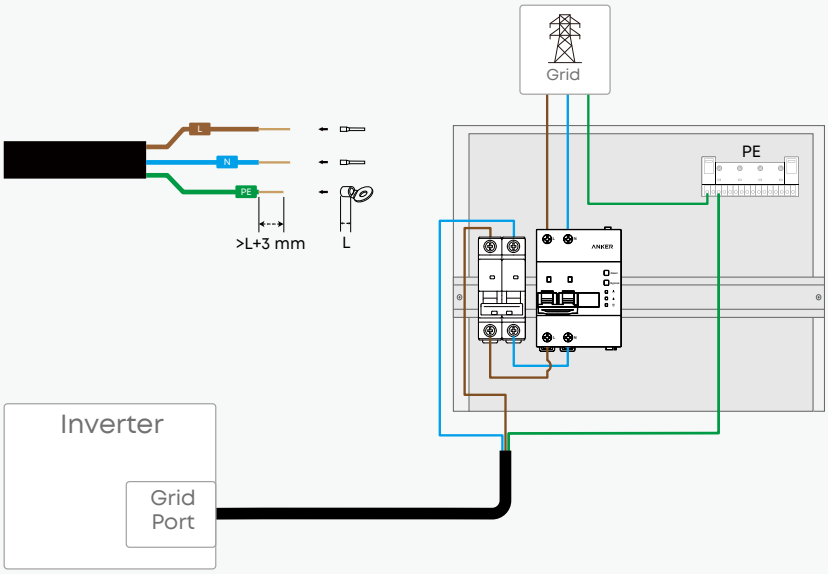


# Output Terminals

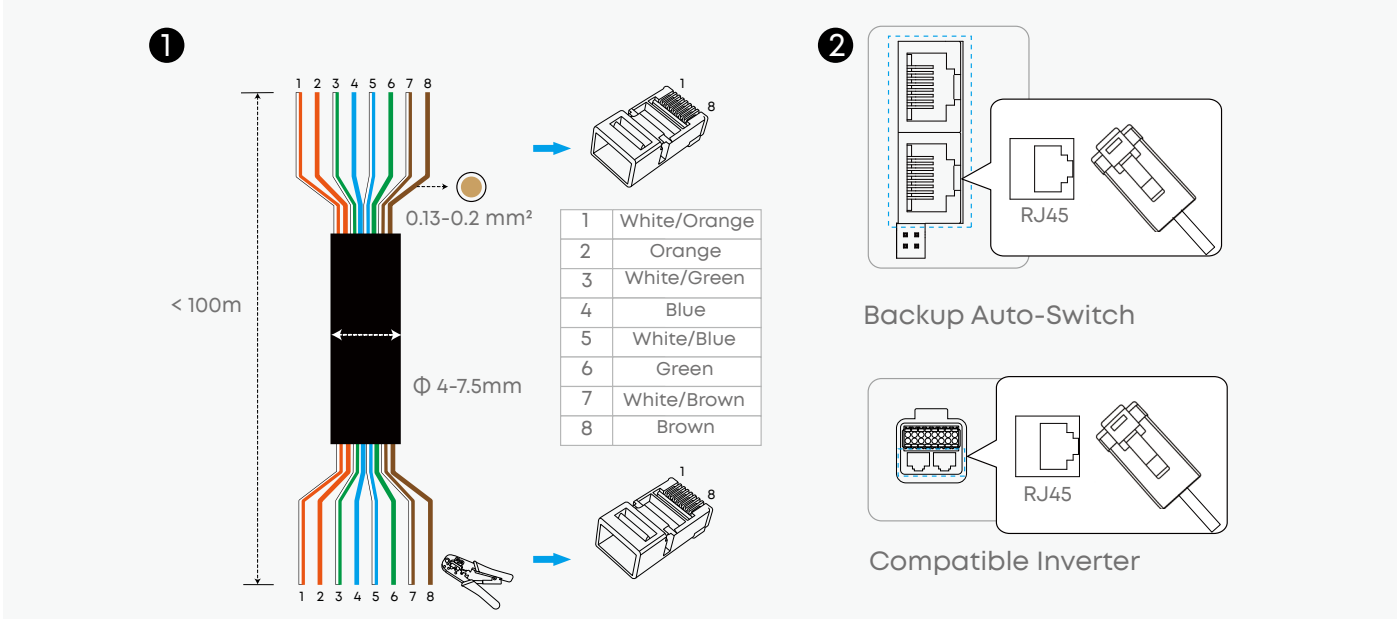
## For AU




## For EU



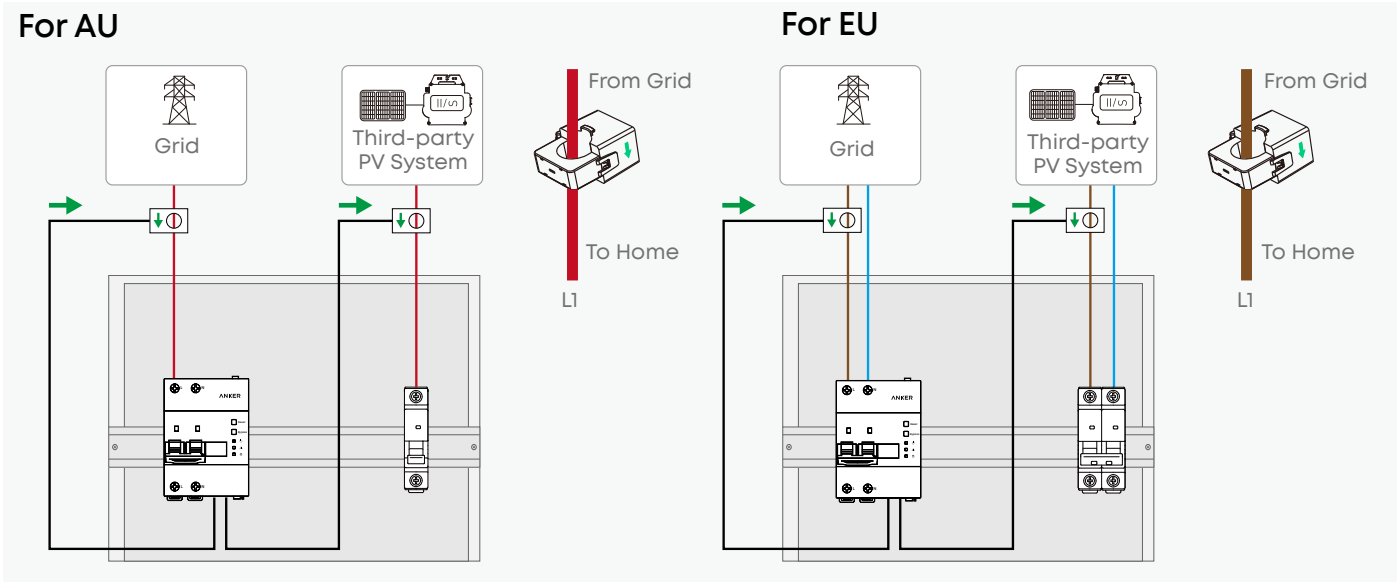
# Connect the Communication Cable




# Connect the CT Cable (Optional)

An external CT is required when:

1. A third-party PV system (string inverter or micro-inverter) is connected.
2. Non-backup loads are installed upstream of the Backup Auto-Switch



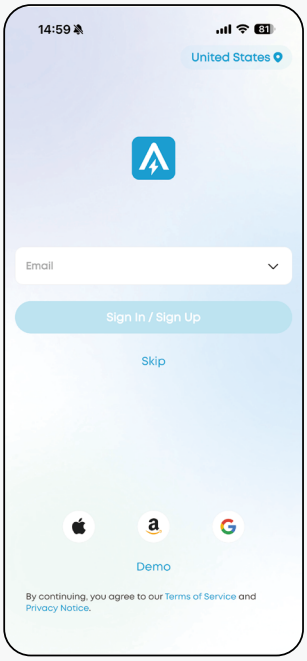
# Use the App

## Download the Anker App

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

## Sign Up / Sign In

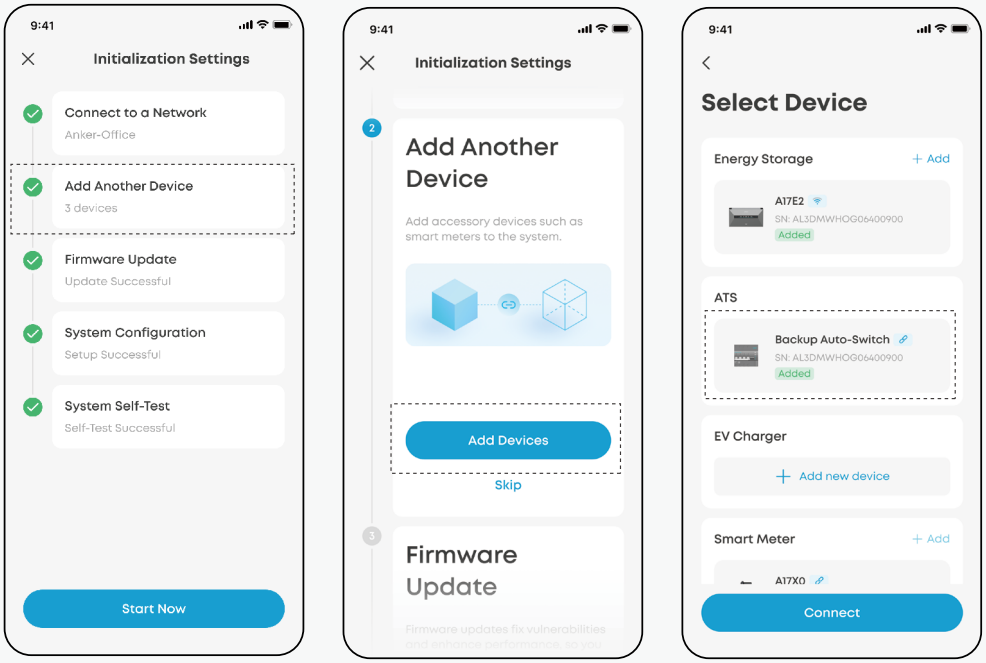
Sign in or create an account. Please be reminded that the country or region MUST match where you live. An incorrect country or region may cause the device connection to fail.

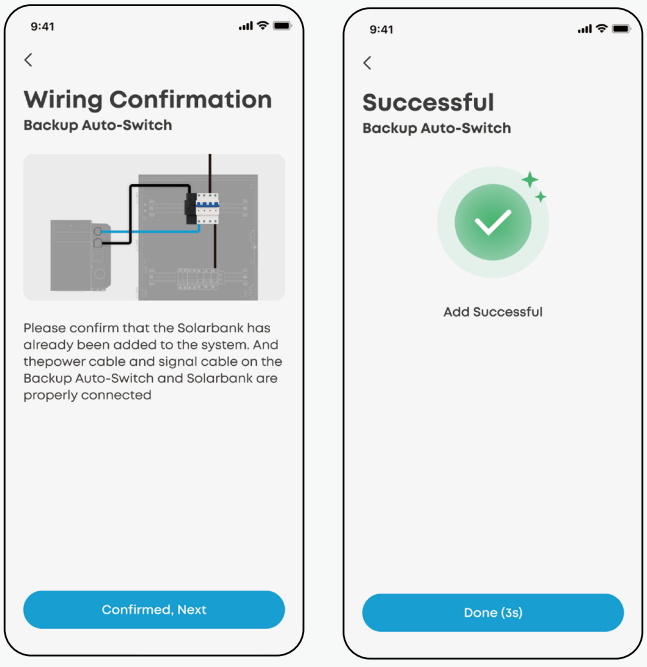


# Add the Device to Your Power Station

## Option 1: Add the device during the initialization of the power station

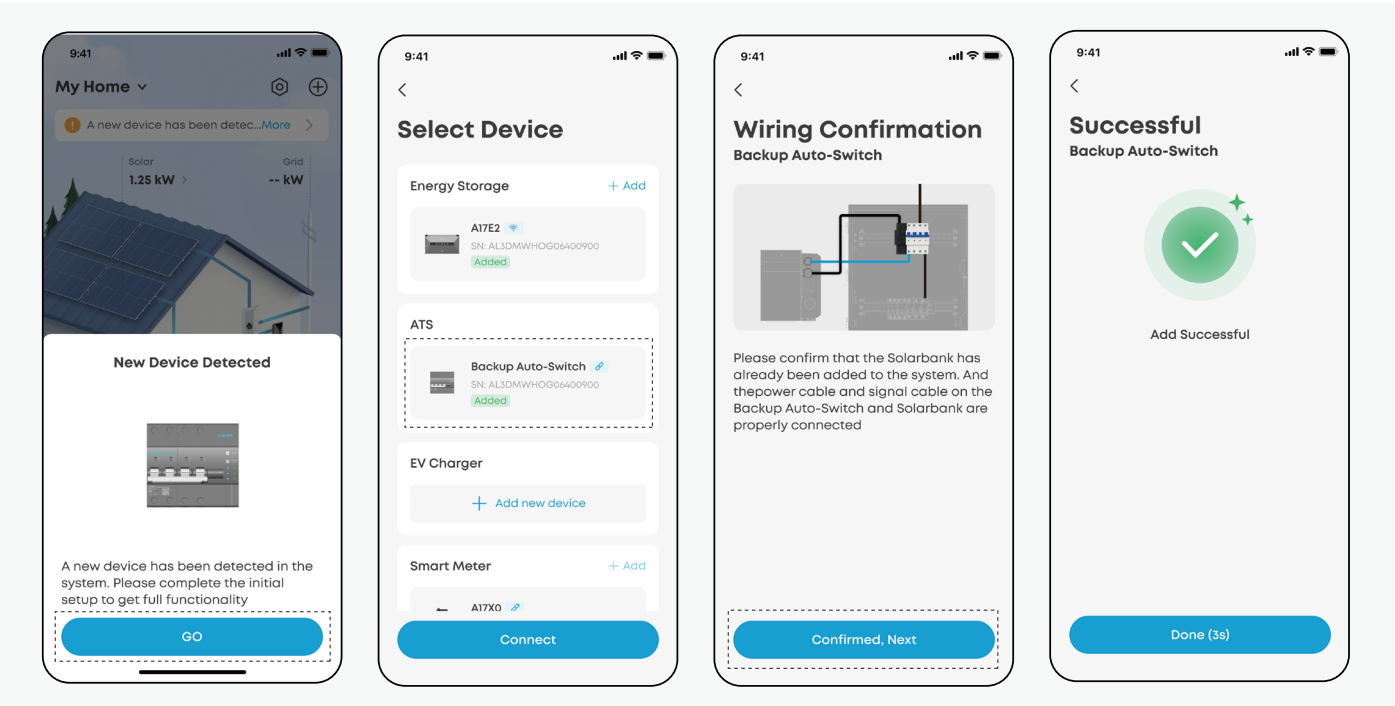
1. During "Add Another Device", Tap "Add Devices".
2. Select the Backup Auto-Switch to add.
3. Verify the wiring against the diagram shown in the app.



### Option 2: Add the device after the initialization of the power station

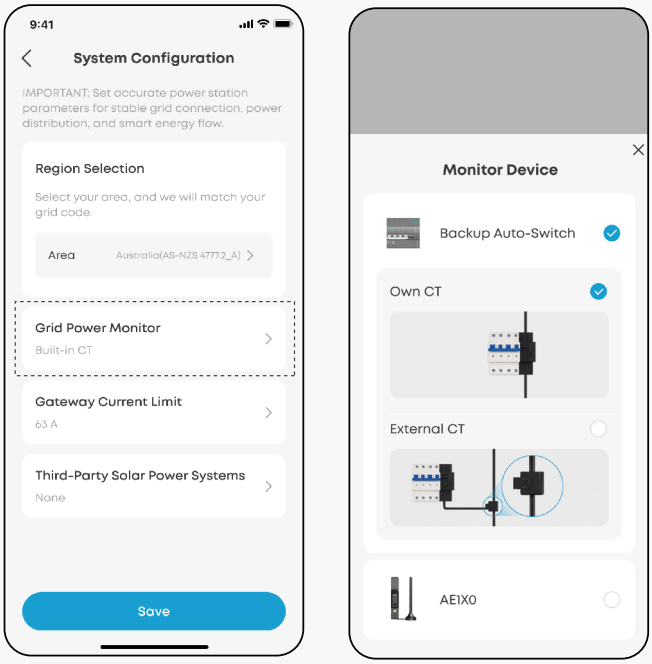
1. After the device is installed, the app will automatically detect it and a pop-up window will appear on the power station's home screen. Tap "GO" to re-initialize.
2. Follow the same steps as Option 1.




# System Configuration

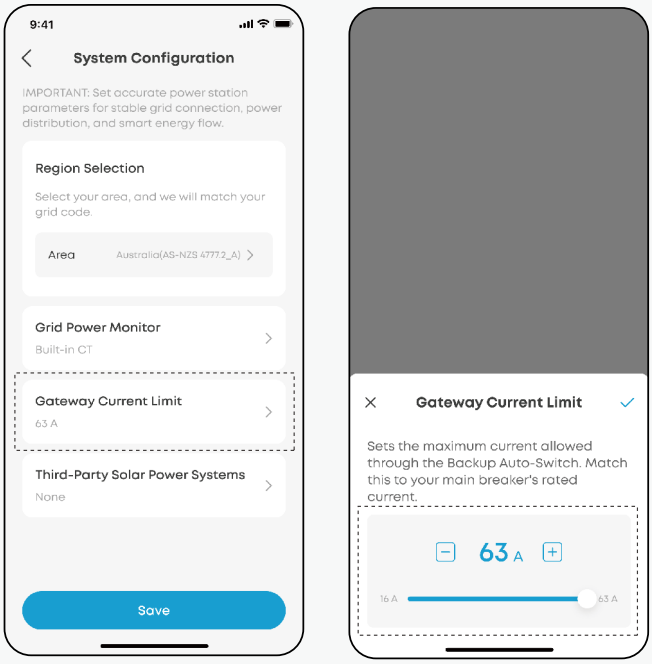
## Grid Power Monitor

1. During "System Configuration", Select "Grid Power Monitor".
2. Select the monitor device. If a Smart Meter is already installed in your system, remove it to avoid data conflicts. The Backup Auto-Switch will act as the primary data collector.
3. Select whether you are using the built-in CT or an external CT cable to monitor the grid.



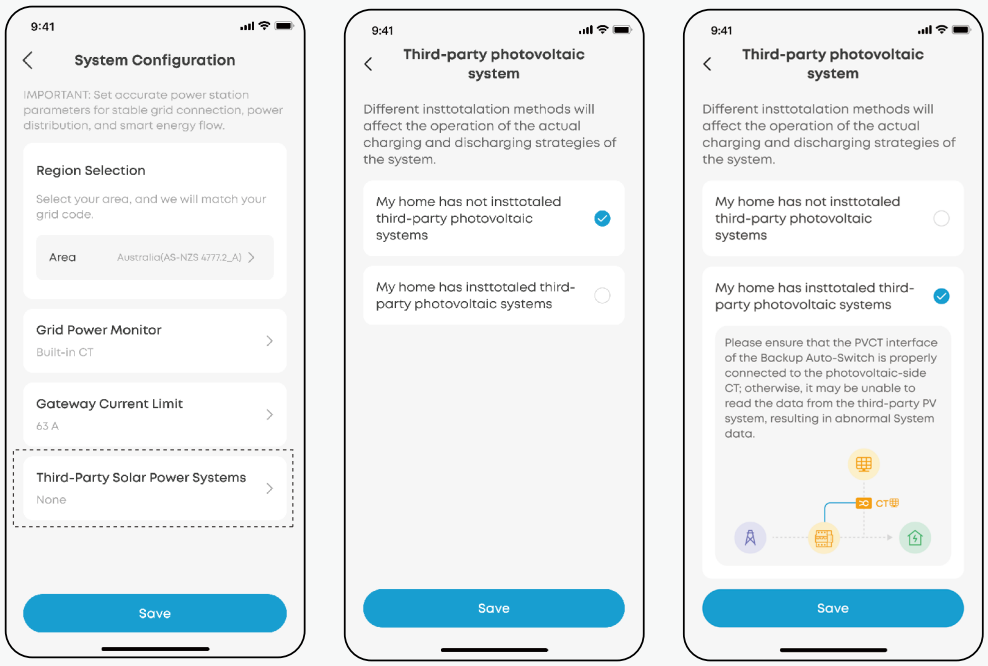

## Gateway Current Limit Settings

1. During "System Configuration", Select "Gateway Current Limit".
2. Set the maximum current allowed through the Backup Auto-Switch.



## Third-Party PV System Settings

1. During "System Configuration", Select "Third-Party Solar Power System".
2. Select whether a third-party PV system is installed in your home.




# Appendix 1: Specifications

| | |
|---|---|
| **Product Name** | Anker SOLIX Backup Auto-Switch (63A, Single-Phase) |
| **Model** | AE120GZ0 |
| **Dimensions (H×W×D):** | 72*66*98 mm |
| **AC Rated Input** | 230Va.c., 50/60Hz, CT 40mA, 2W CAT \|\|\| |
| **Frequency** | 50/60Hz |
| **Connection** | RJ45 |
| **Lifespan** | 10 Years |
| **Compatible CT** | CT 63A(ø 10mm) |

# Appendix 2: Compatible Inverters

| Product Number | Product Name |
| --- | --- |
| A17E23Z1 | Anker SOLIX Solarbank Max AC |
| A17E22Z1 | |
| A17E2TZ1 | Anker SOLIX XE AC |
| A17E2GZ1 | |
| A17E24Z1 | |
| AE1113Z1 | Anker SOLIX Solarbank Max |
| AE1112Z1 | |
| AE111TZ1 | Anker SOLIX XE |
| AE111GZ1 | |
| AE1114Z1 | |
| AE113GZ1 | |