

# SigenStor Home Installation Guide

Single-phase System (3.0–6.0)  
A1

Version: 05  
Release date: 2024-12-11



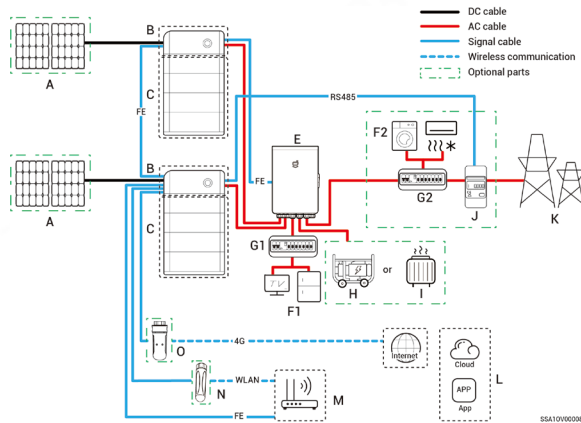
## ⚠ Caution

- Trained or experienced electrical personnel are required to operate the equipment.
- Operators should be familiar with national and local laws, regulations, and standards, and the compositions and operating principles of relevant systems.
- Please read carefully the operating requirements and precautions in this document and "Important Notice" before operating. Failure to do so may result in damage to the equipment that is not covered by the warranty.
- Please consult with the owner for expansion requirements (for example, adding battery packs, Sigen EV DC Charging Module, etc.). If any, please reserve necessary expansion space and cable length during installation.

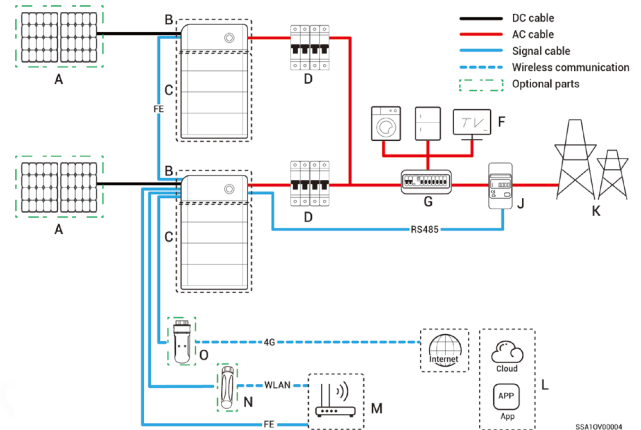
## 1 Introduction to Single-phase System

### 1.1 Introduction to system wiring

Backup system wiring diagram



Non-backup system wiring diagram



## Tips

It is recommended to use Fast Ethernet and WLAN for communication with inverters. When free 4G traffic of CommMod runs out, users must replace a SIM card.

S/N	Equipment/component	Model/version	Function specification
A	PV module	–	–
B	SigenStor EC	SigenStor EC 3.0/3.6/4.0/4.6/5.0/6.0 SP	Inverter; it can be used in photovoltaic energy storage scenarios and needs to be used together with PV modules and SigenStor BAT.
	SigenStor AC	SigenStor AC 3.0/3.6/4.0/4.6/5.0/6.0 SP	Inverter; it can be used in pure storage scenarios and needs to be used with SigenStor BAT.
	Sigen Hybrid	Sigen Hybrid 3.0/3.6/4.0/4.6/5.0/6.0 SP	Inverter; it can be used in conjunction with PV modules for pure PV applications or in combination with PV modules and SigenStor BAT for photovoltaic storage systems after the purchase and activation of a license.
C	SigenStor BAT	SigenStor BAT 5.0/8.0	Battery pack; it can store electric energy. Supports the simultaneous use of two models of battery packs.
D	AC switch	–	The rated voltage of the AC switch connected to each inverter should be $\geq 240$ Va.c., and the rated current is recommended: <ul style="list-style-type: none"> <li>• SigenStorEC/SigenStorAC/SigenHybrid (3.0–4.0) SP: The rated current is 25 A.</li> <li>• SigenStorEC/SigenStorAC/SigenHybrid (4.6–6.0) SP: The rated current is 40 A.</li> </ul>
E	Gateway	Gateway Single-phase Series Products	It's applicable for PV storage and pure storage applications to facilitate data acquisition and monitoring, off-grid backup power switching, diesel generator control, energy management; it must be used with SigenStor BAT and inverter. Gateway is a must-have for backup system wiring; for partial backup power and zero-power grid connection control system wiring, the Gateway and power sensor must be arranged.
F	Household loads	–	<ul style="list-style-type: none"> <li>• In a backup system wiring, F1 represents the backup household loads, and F2 represents the non-backup household loads.</li> <li>• If the backup household load experiences leakage, it may pose a risk of electric shock. In order to avoid the risk of this hazard, a residual current device (RCD) must be installed between the Gateway and the backup household load.</li> </ul>
G	Distribution panel	–	<ul style="list-style-type: none"> <li>• In backup system wiring, G1 is the backup distribution panel, and G2 is the non-backup distribution panel. If the non-backup distribution panel features leakage protection, it is recommended that the rated residual operating current be greater than or equal to the number of inverters <math>\times 100</math> mA.</li> <li>• In non-backup system wiring, if the distribution panel features leakage protection, it is recommended that the rated residual operating current be greater than or equal to the number of inverters <math>\times 100</math> mA.</li> <li>• The rated voltage of the AC switch of the distribution panel should be not less than 240 Va.c., And the rated current is recommended: that is, not less than the maximum output current of an inverter <math>\times</math> the number of inverters in parallel connection <math>\times 1.25</math><sup>[1]</sup>.</li> </ul>

Note [1]: The maximum output current of an inverter can be found in its respective data sheet.

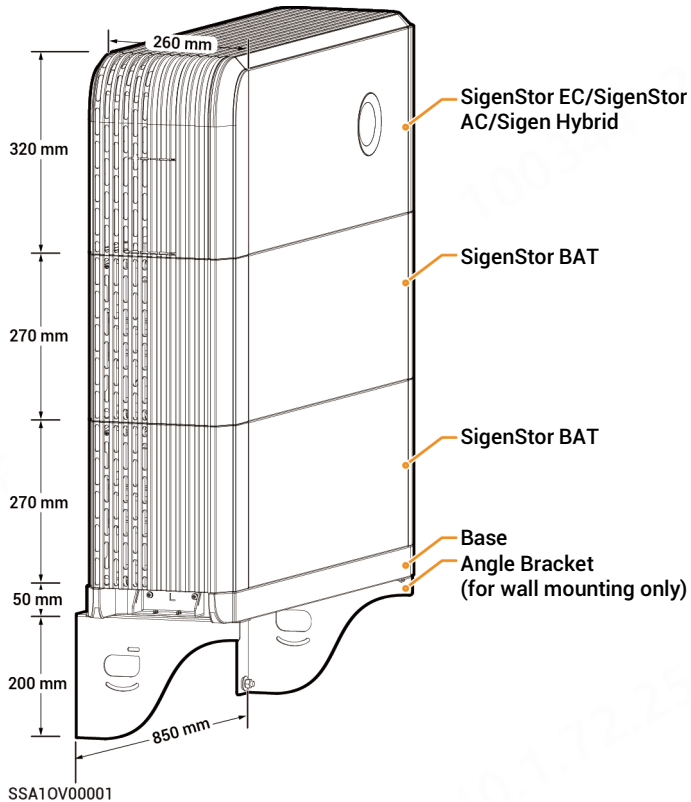
S/N	Equipment/component	Model/version	Function specification
H	Diesel generator	–	As a backup energy source for long-term off-grid applications, it can work in tandem with the Gateway to provide a smooth transition between PV, storage and diesel generator .
I	Smart loads	–	<ul style="list-style-type: none"> <li>All the power equipment in the owner's home can be connected as smart loads. To ensure that this product maximizes the benefits to users, it is recommended that the high-power equipment be connected as smart loads (heat pumps, pool heaters, clothes dryers, immersion heaters, etc.), which can be cut off when the energy storage system has low power. Other low-power equipment are connected as household loads (lights, routers, etc.)</li> <li>The maximum power for an immersion heater should be ≤ 17.6 kW/80 A.</li> </ul>
J	Power sensor	Sigen Sensor SP-DH (SDM230MODBUS) Sigen Sensor SP-CT120-DH (SDM120CT 40mA)	Data acquisition for grid connection points enables zero-power grid connection. No power sensor is needed for home-wide backup networking.
K	Power grid	–	–
L	App	mySigen	Android 6.0 or later iOS 12.0 onwards
M	Router	–	To be used for FE/WLAN communication.
N	Antenna	–	To be used for WLAN communication.
O	Communication module	Sigen CommMod	To be used for 4G communication.

## Tips

- When configuring the Gateway, refer to the respective Installation Guide for detailed installation procedures.
- When adding a Sigen EV DC Charging Module, refer to the respective Installation Guide for detailed installation procedures.

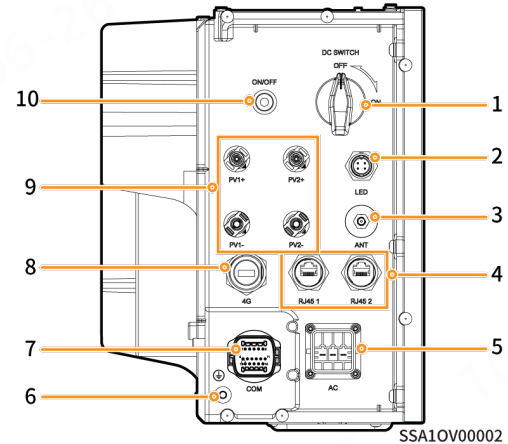
## 1.2 Appearance and Dimensions

### Inverter and battery pack



## 1.3 Port Descriptions

### SigenStor EC/ SigenStor AC/Sigen Hybrid Left View



S/N	Name	Marking
1	DC switch	DC SWITCH
2	Decorative cover light strip connector	LED
3	Antenna interface	ANT
4	Cable interface	RJ45 1/ RJ45 2
5	AC output interface	AC
6	Ground screw	-
7	Communication interface	COM
8	Sigen CommMod interface	4G
9	DC input interface	PV1+/PV2+/ PV1-/PV2-
10	Switch button	ON/OFF

## 2 Pre–installation Check

- Check whether the components are entirely supplied against the packing list and whether the appearance is in good condition. For any problem, contact your sales representative.
- Parts and accessories supplied with the packing box are personal assets of the owner and must not be taken away from the installation site.
- Check personal protective equipment and installation tools to ensure that they are complete; If not, please make them up.
- Check and ensure the completeness of personal protective equipment and installation tools; replenish if necessary.

### Protective equipment



Safety hat



Goggles



Dust mask



Protective gloves

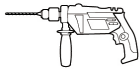


Insulating gloves

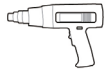


Insulating shoes

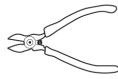
### Installation tool



Power drill



Heat gun



Wire cutter



Crimp tool



Crimping pliers



Wire stripper



Scissors



Cable tie



Heat shrinkable sleeve



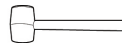
Insulation sleeve set



Torque socket wrench



hexagonal L-type wrench (4 mm oppositly)



Rubber mallet



Adjustable wrench



Marker



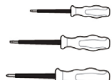
Tape measure



Level



Vacuum cleaner



Insulation screwdriver set



Open-end wrench (model: H4TW001  
Manufacturer: Amphenol)



Crimping pliers (model: H4TC003  
Manufacturer: Amphenol)



(Optional) Stainless steel covered plastic steel rope (bearing:  $\geq 250$  kg  
Diameter: 3 mm)



(Optional) Lift (used when SigensTor BAT  $\geq 3$  units)



(Optional) Lock (Lock bar diameter  $\leq 5$  mm)

## Caution

- The specifications of the Installer–provided cable must comply with the cable regulations and standards of the country or region standards.
- L, N and PE should be connected to other equipment in sequence without mixing.

S/N	Cable name	Recommended specifications
1	Protective ground cable	Outdoor single core copper flexible cable Cross-sectional area of core conductor: 4–6 mm <sup>2</sup> ;
2	AC cable	Outdoor three-core copper flexible cable (L, N, PE) Cross-sectional area of core conductor: 4–6 mm <sup>2</sup> ; Outer diameter: 13–21 mm
3	RS485 signal cable / DI signal cable	Outdoor two-core shielded twisted pair Cross-sectional area of core conductor: 0.5–0.75 mm <sup>2</sup> (multi-core flexible conductor, Tubular terminal needed); 0.5–1 mm <sup>2</sup> (single-strand hard conductor, no tubular terminal needed) Outer diameter: 4.5–6.5 mm Cable length: ≤ 1000 m Baud rate: ≤ 9600 bps
4	RJ45 network cable	Outdoor eight-conductor shielded twin-twisted pair cable Cross-sectional area of core conductor: 0.13–0.2 mm <sup>2</sup> ; Outer diameter: 4–7.5 mm Single cable length: ≤ 100 m <sup>[1]</sup>
5	DC input cable (Ignore this cable in case of SigenStor AC inverters)	Outdoor photovoltaic cable Cross-sectional area of core conductor: 4–6 mm <sup>2</sup> ; Outer diameter: 4.5–7.8 mm

Note [1]: The cable length should be limited for good communication. Too long cable degrades the communication effect. FE communication distance: ≤ 100 m.

## Tips

Recommended specifications for cables connecting power sensors to Distribution panel and to the grid, as well as step-by-step instructions for wiring, can be found in the accompanying documentation for each respective model.

## 3 Site Requirements

### Tips

- The warranty applies when the equipment has been installed properly for its intended use and in accordance with the operating instructions.
- During actual installation, the selection of the installation location should comply with local regulations, firefighting regulations, and other relevant laws. The specific installation location planning should be subject to the installer or engineering, procurement, and construction (EPC) contracts.

#### Installation Environment

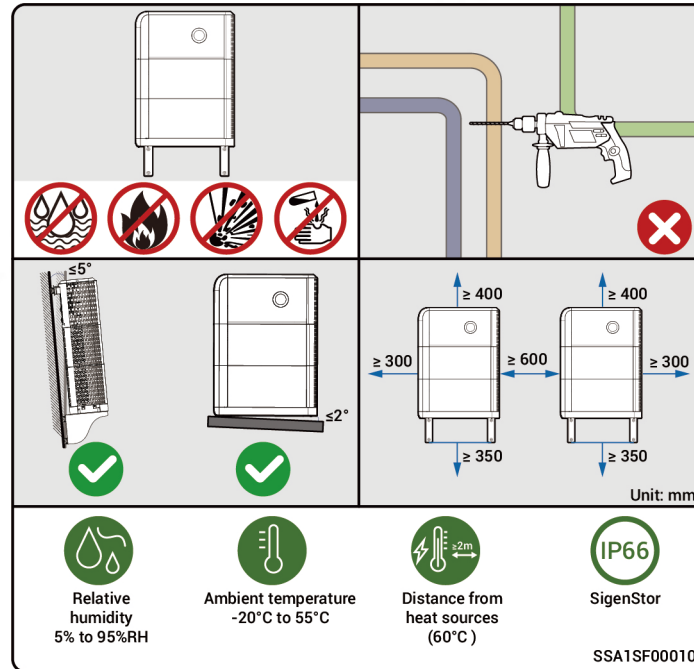
- Do not install the equipment in a smoky, flammable, or explosive environment.
- Avoid exposing the equipment to direct sunlight, rain, standing water, snow, or dust. It is suggested to install the equipment in a sheltered place. Take preventive measures in operating areas prone to natural disasters such as floods, mudslides, earthquakes, and typhoons.
- Do not install the equipment in an environment with strong electromagnetic interference.
- The temperature and humidity of the installation environment should meet equipment requirements.
- The equipment should be installed in an area that is at least 500 m away from corrosion sources that may result in salt damage or acid damage. Corrosion sources include but are not limited to seaside, thermal power plants, chemical plants, smelters, coal plants, rubber plants, and electroplating plants.

#### Installation Location

- Do not tilt the equipment or place it upside down. Ensure that the equipment is horizontally installed.
- Do not install the equipment in areas easily accessible to children.
- Do not install the equipment in a place with fire hazards or is prone to moisturizing.
- The equipment produces sound when it is operating. Please install the equipment in a place with appropriate distance at which there is no impact to daily work and life.
- Do not install the equipment in a sealed, poorly ventilated location without fire protection measures and inaccessible for firefighters.
- The equipment is hot when it is operating. If the equipment is installed indoors, please ensure good indoor ventilation and avoid significant indoor temperature rise by more than 3°C while the equipment is operating. Otherwise, the equipment will be derated.
- Do not install the equipment in mobile scenarios such as recreational vehicles, cruise ships, and trains.
- It is recommended to install the equipment in a location where you can easily access, install, operate, and maintain it, and view the indicator status.
- Do not place the equipment in the vehicle passage when installed in a garage to avoid collisions.

## Installation Base

- Do not install the equipment on a flammable base.
- The installation base should meet the load-bearing requirement. Solid brick-concrete structures, concrete walls, and floors are recommended.
- The installation base should be flat, and the installation area should meet the installation space requirements.
- No plumbing or electrical alignments are allowed inside the installation base to avoid potential drilling hazards during equipment installation.



## 4 Installation of inverter and battery pack

### Tips

- Up to six SigenStor BATs are supported for floor installation and up to two for wall installation.
- When installing three or more SigenStor BATs on the floor, use Lift.
- Multiple SigenStor BATs can be installed onsite based on the actual configuration.
- If the floor is prone to stagnant water, please set up a waterproofing platform or install it on the wall.
- The equipment is heavy, do not slip off when handling the equipment to avoid the equipment falling and injuring the operator.
- SigenStor BAT is forbidden to be used after falling, please buy a new one.
- Do not drag the equipment during installation.

### 4.1 Floor Installation

### Tips

- If the ground is uneven, leveling plates or adjustable feet can be used for leveling, depending on the product received.
- If the installation package the owner receives contains no adjustable feet, only leveling plates can be used for leveling. If both are available, either leveling tool can be used. Please install the equipment according to the actual needs of the owner.
- Please avoid using adjustable feet for leveling in earthquake-prone areas.



Leveling plate



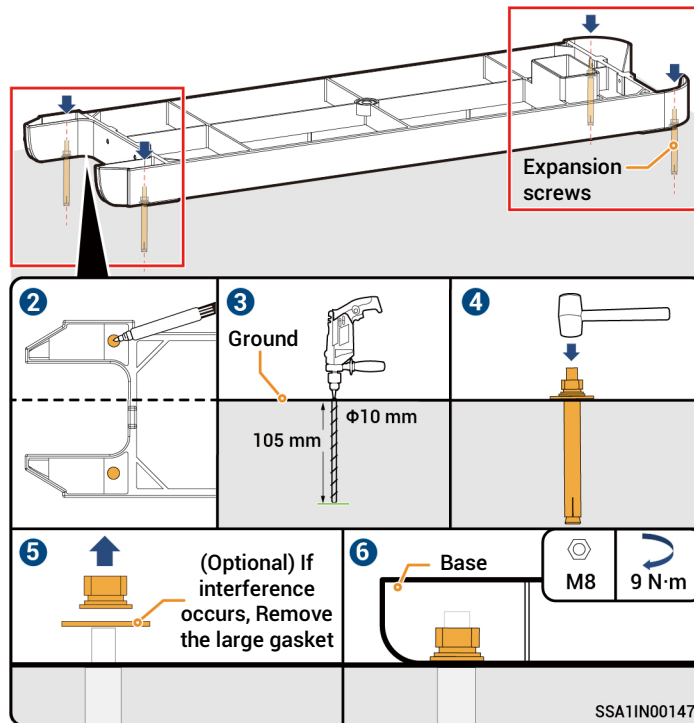
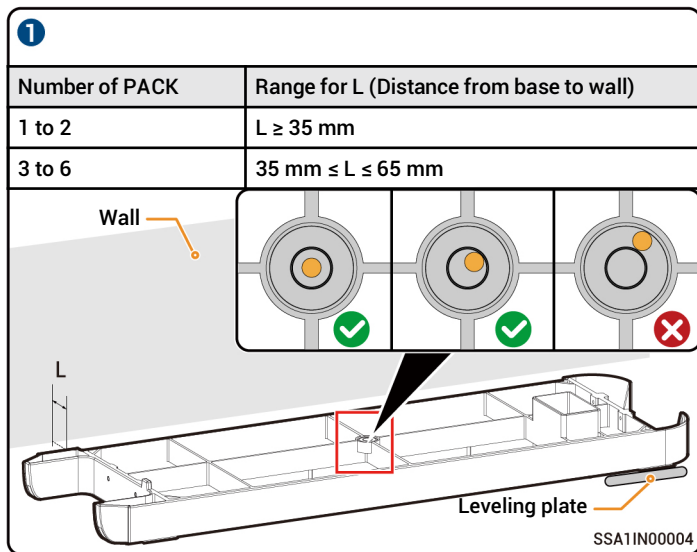
Adjustable feet

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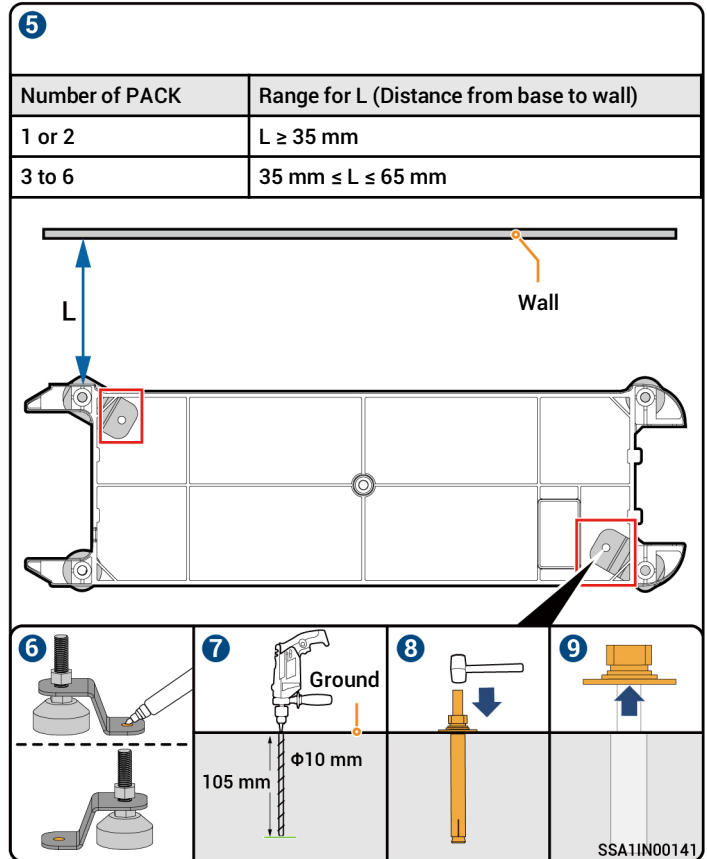
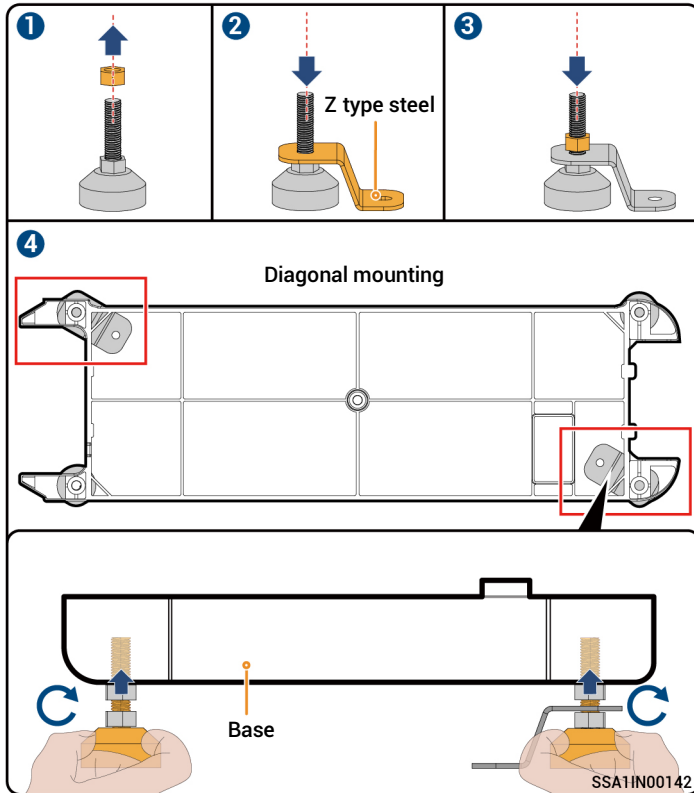
## Leveling with leveling plates

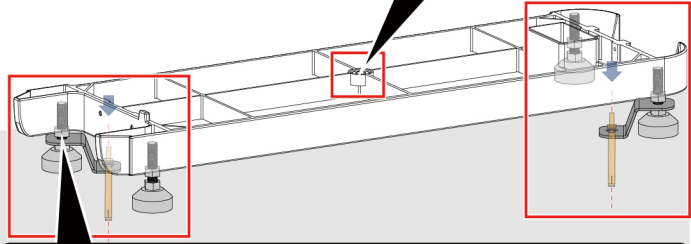
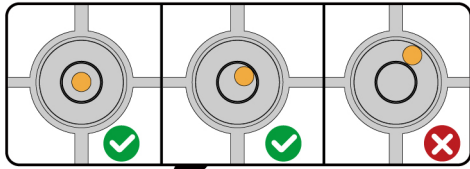
## Tips

- If the bubble level is not centered, use a leveling plate to adjust.
- Expansion screws can be fastened diagonally or at four corners, depending on the product received.



## Leveling with adjustable feet





**10**

**11** Rotate the adjustable feet to adjust the height of the base until the bubble level is centered.

Base

**12** Once the bubble level is centered, tighten the nuts with an adjustable wrench.

**13** M8 9 N·m

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**2** INV1 is the mounting hole on the left side of the inverter for wall installation, while INV2 is the mounting hole on the right side for wall installation.

Calculation formula for punch height:

L1 and L2 should be measured from the upper surface of the base:

$$L1 = N \times 270 \text{ mm} + 261 \text{ mm} \pm 3 \text{ mm}$$

$$L2 = N \times 270 \text{ mm} + 254 \text{ mm} \pm 3 \text{ mm}$$

Note: N is the number of SigenStor BATs and N ranges from 3 to 6.

INV1

1

L1

INV2

L2

14 mm

97 mm

2

Wall

105 mm

Φ10

3

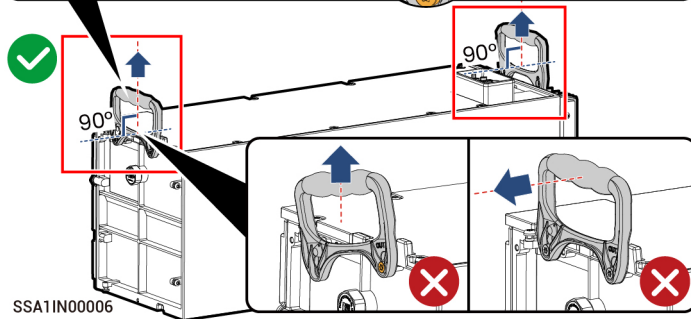
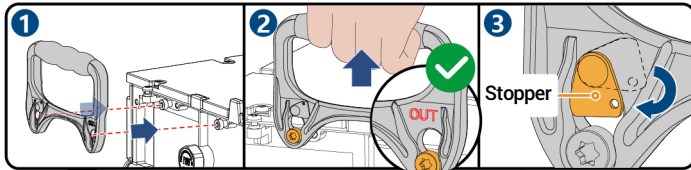
4

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- 3** Before installing the handle, please use a Torque socket wrench to measure the screws and confirm that the screws on Sigen BAT are securely tightened with a torque of 4.5 N·m ( $\pm 0.45$  N·m).

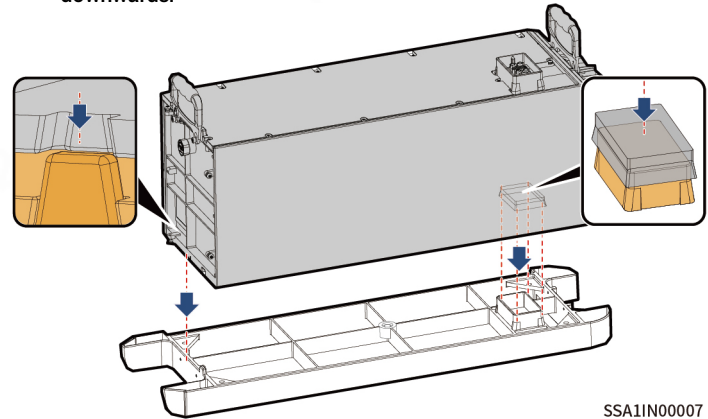
### Caution

- Use the new handle supplied with the inverter for your installation operation.
- The "OUT" lettering on the handle must face outwards.
- Do not use a handle with stoppers that fell off or damaged for your installation operation. (Including but not limited to rust, paint peeling, deformation, and fracture)
- The handle is a personal asset of the owner. After use, it must be handed over to the owner for future use and must not be taken away from the installation site.
- The handle shall not be used more than 100 times. The handle that exceeds the use limits shall be scrapped.



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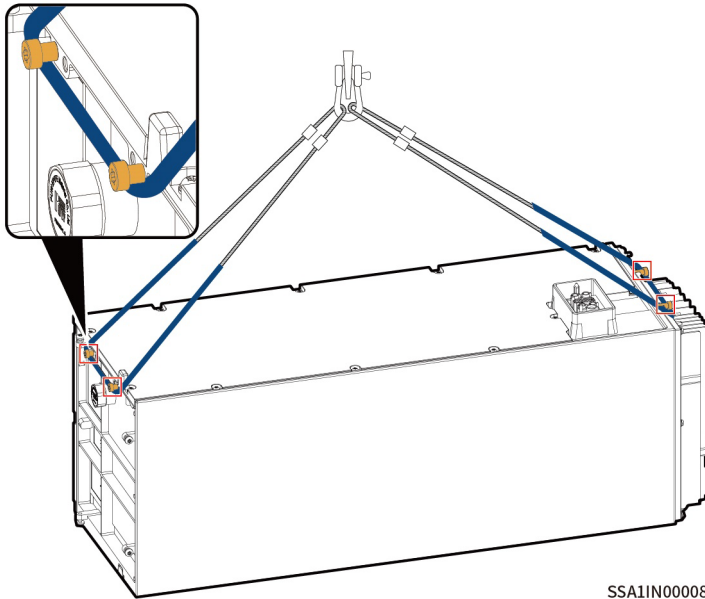
- 4** SigenStor BAT is kept horizontally and mounted vertically downwards.



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- 5** For details about how to place the second SigenStor BATs, see Steps **3** **4**.

**6** If three or more SigenStor BATs are to be installed, use a Lift. For details about the hoisting rope binding scheme, see the figure.



### Tips

During lifting operations, the area where the sling comes in contact with the equipment should be wrapped with a protective layer to avoid damage to the equipment.

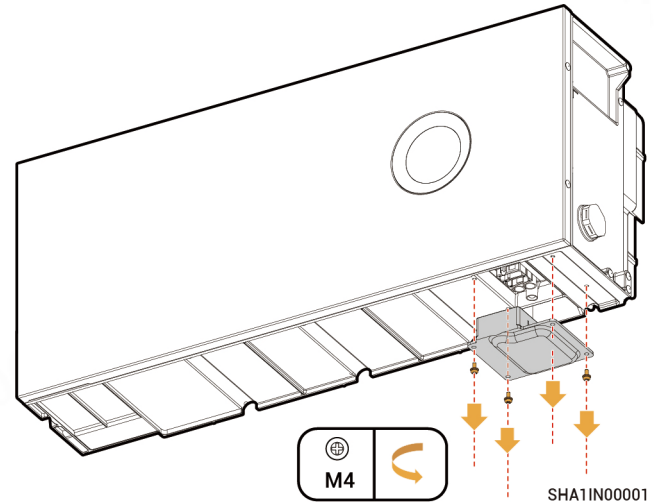
**7** Arrange SigenStor EC, SigenStor AC or Sigen Hybrid.

SigenStor EC or SigenStor AC

For details, see Step **4**.

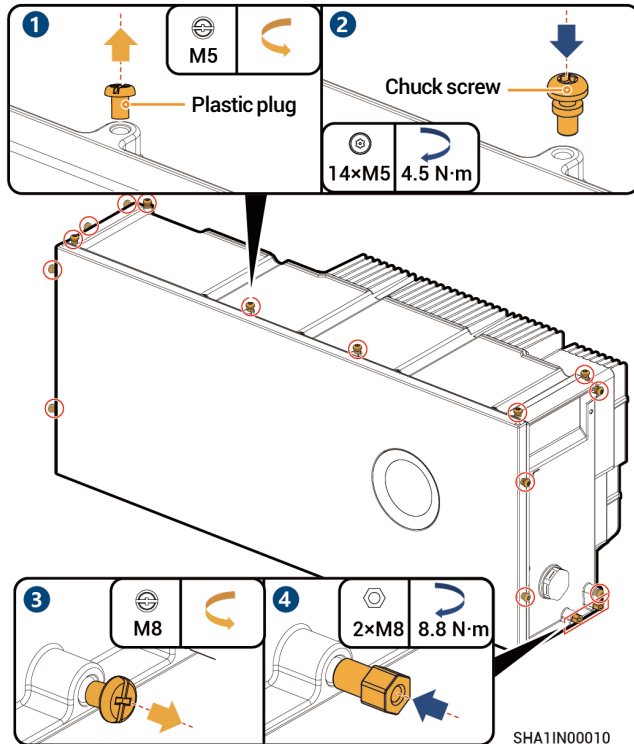
Sigen Hybrid

Remove the IP protection cover at the bottom.



## Tips

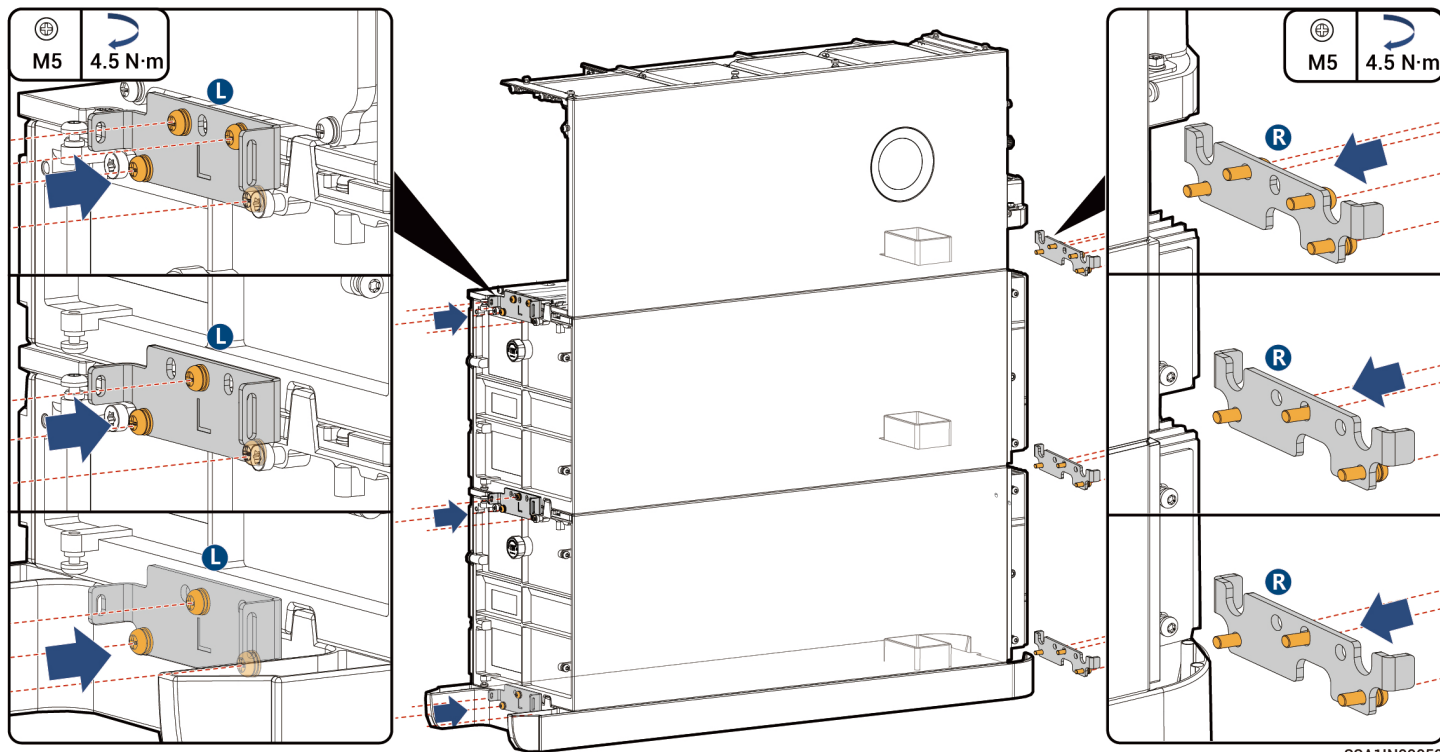
- Follow the steps in the figure if the equipment owner received is delivered with plastic plug installed. The chuck screw is contained in the accessory kit.
- Skip this step if the equipment owner receive is delivered with chuck screw installed.



Arrange them as described in Step **4**.

8 Base bracket has two versions in terms of appearance. The actual product shall prevail. The installation method for both versions remains the same.

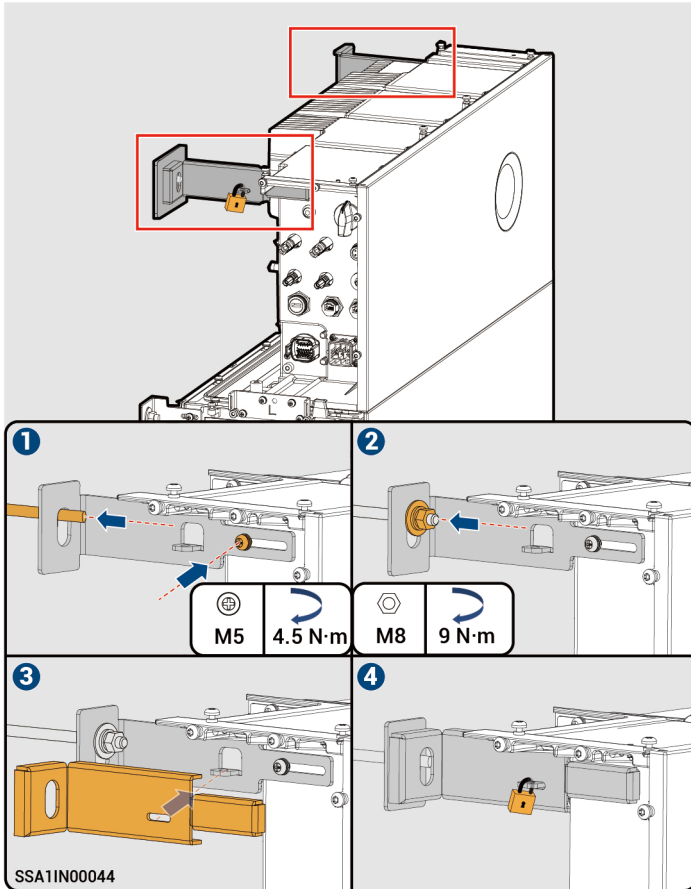
### Appearance 1



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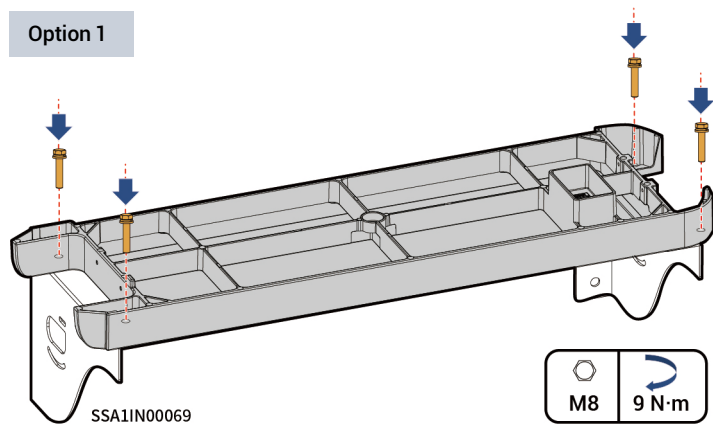
9 Steps 3 and 4 are optional and can effectively prevent theft.



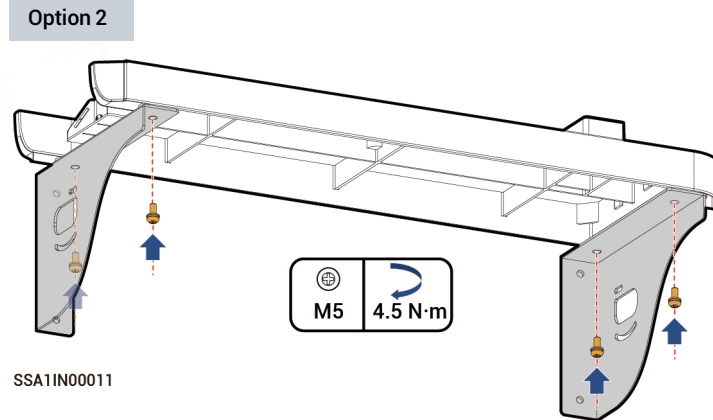
## 4.2 Wall Installation

- 1** There are two installation methods for the Angle Bracket. Please refer to the actual product received for detailed instructions.

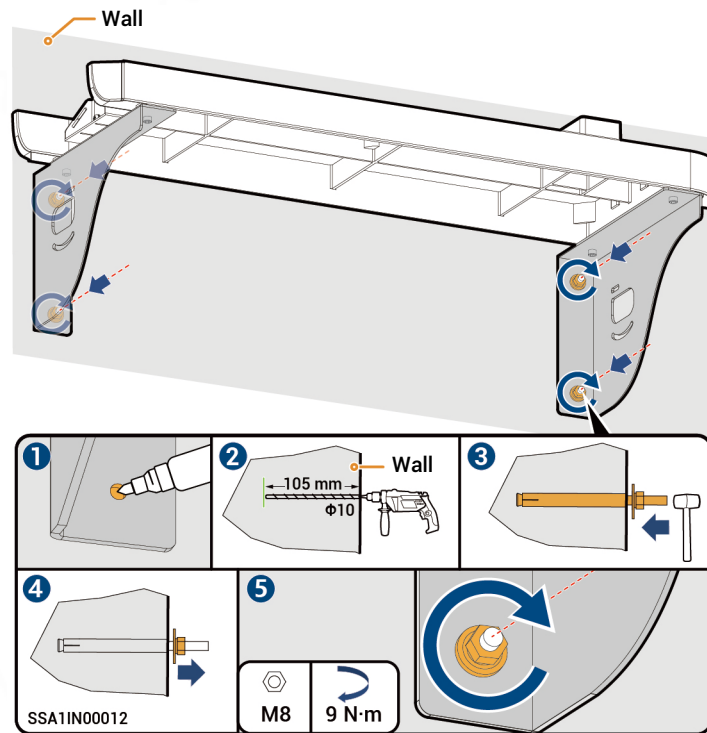
Option 1



Option 2



2



**3**

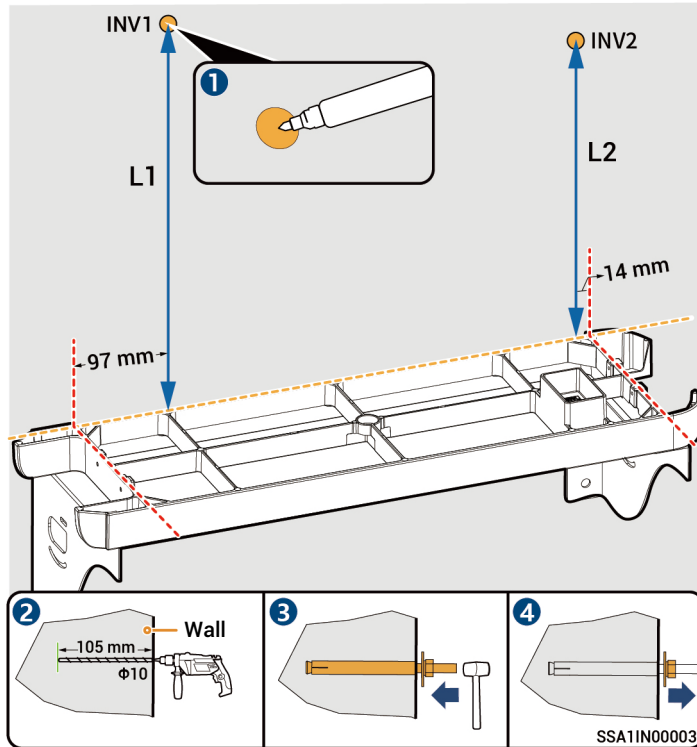
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$$L2 = N \times 270 \text{ mm} + 254 \text{ mm} \pm 3 \text{ mm}$$

Note: N is the number of SigenStor BATs and N is 1 or 2.



**4** For details about how to place the SigenStor BAT, see Steps **3** **4** in Section 4.1 Floor installation.

**5** For details about how to place the inverter, see Steps **7** in Section 4.1 Floor installation.

**6** For the installation of the Base bracket, please refer to Step **8** in Section 4.1 Floor Installation.

**7** For the installation of the fasteners for a wall-mounted inverter, please refer to Step **9** in Section 4.1 Floor installation.

## 5 Cable Connection and Component Installation

### Danger






- Before connecting cables, ensure that DC SWITCH is in the OFF state, and the front switch of the AC line is off.
- Do not perform operations on the equipment with power on. Before operation, please make sure all power supplies to the equipment have been disconnected, including but not limited to the grid side, inverter and diesel generator power switches.
- Do not leave construction residues, for example, cut cores of cables, in or around the equipment, such as, in terminals and in or around fans.

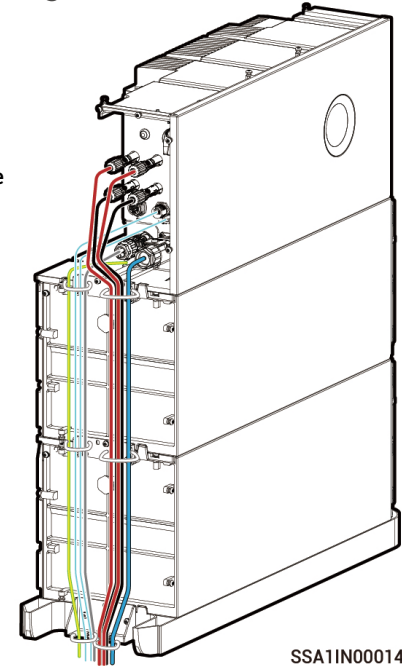
### Tips

- The cable colors in the figure are used only to distinguish different lines. The cable colors are based on actual conditions.
- Bind the power cable separately from the signal cable.
- There are three routing schemes, Select them based on the actual situation.
- PVC wiring ducts or PVC conduits are recommended to wrap cables outside decorative parts. 60 × 50 mm PVC wiring ducts are recommended and PVC conduits with diameter not less than  $\Phi 80$  are recommended.

### 5.1 Recommended Cabling installation

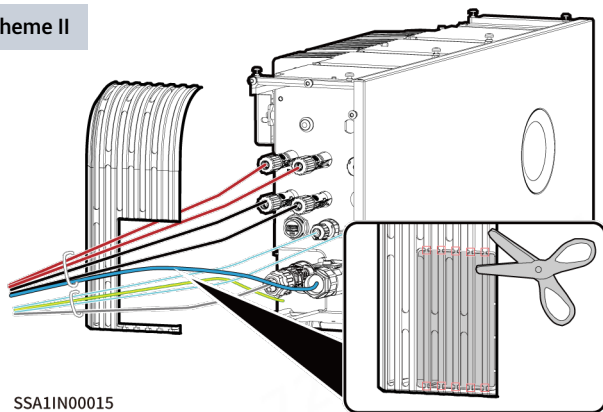
#### Scheme I

-  AC output cable
-  RS485 signal cable
-  Protective ground cable
-  RJ45 cable
-  DC input cable



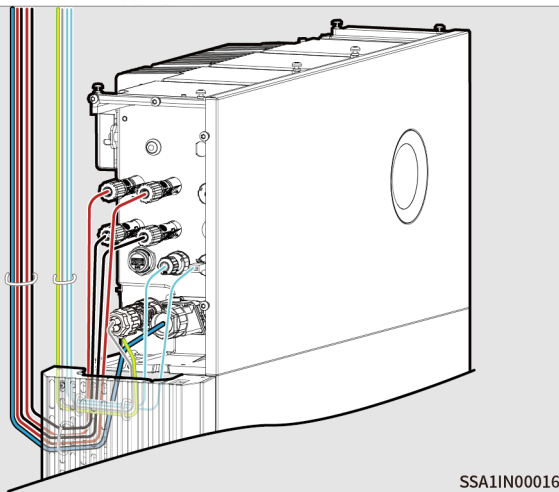
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Scheme II



SSA1IN00015

Scheme III

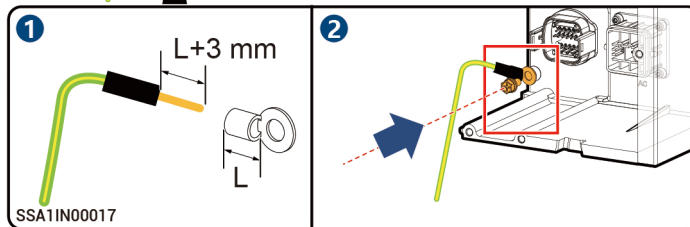
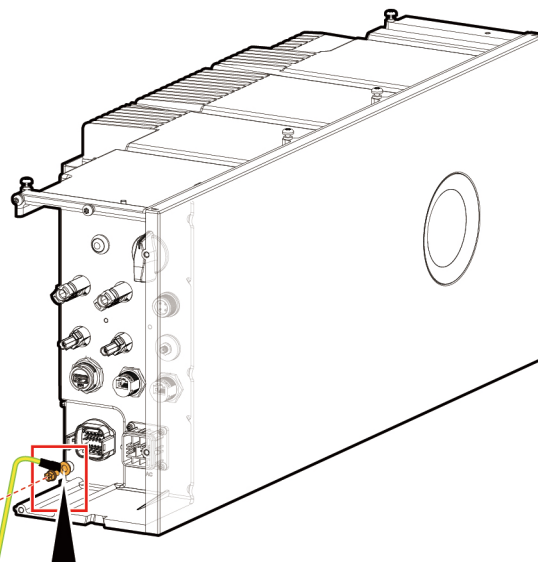


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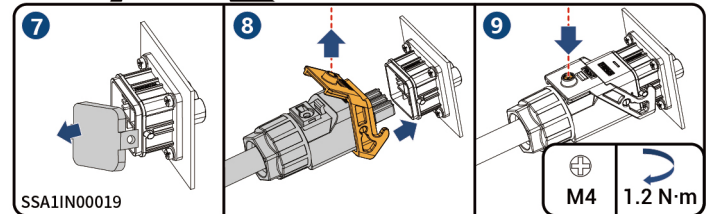
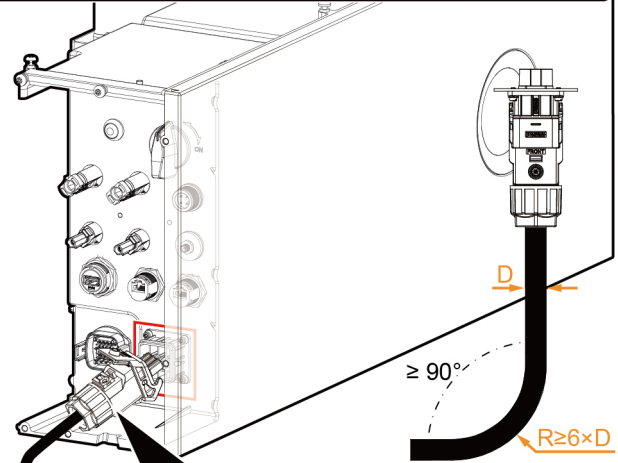
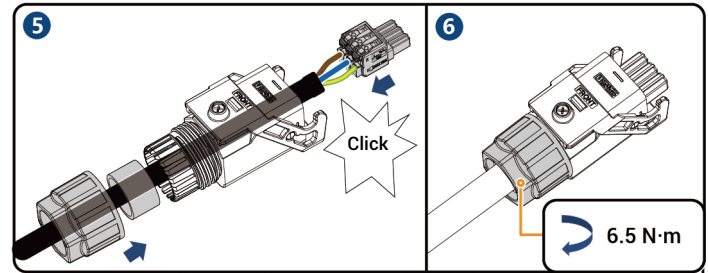
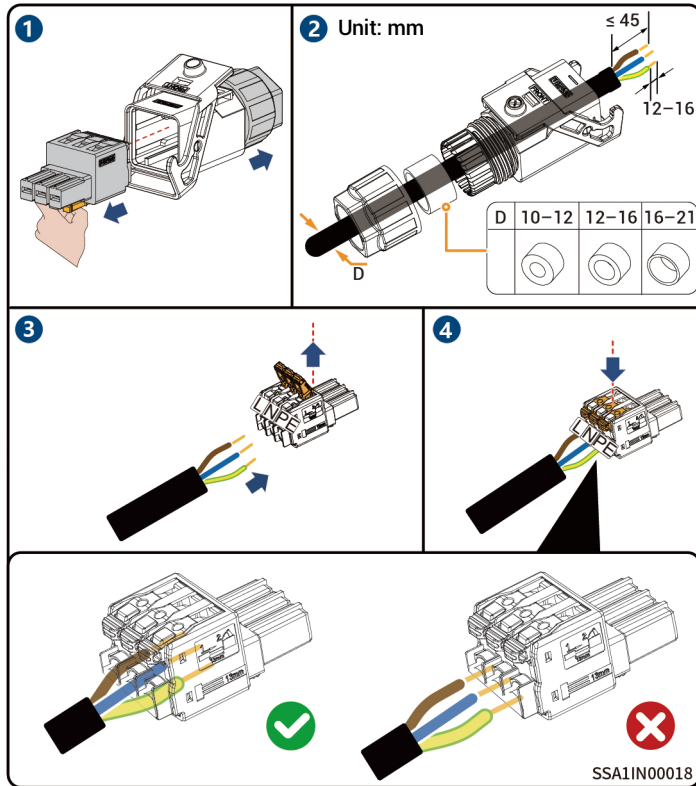
## 5.2 Protective Ground Cable Connection

### Tips

The protective ground wire should be grounded in close proximity.



### 5.3 AC Output Cable Connection

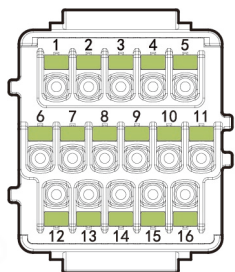


## 5.4 Signal cable Connection

### Tips

- Power sensors need to be purchased from our official channel.
- The appearance and specific wiring of the power sensor can be found in the instruction manual delivered with the case.

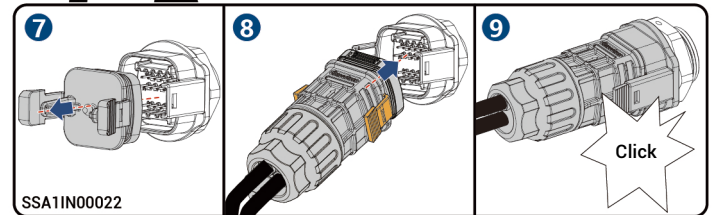
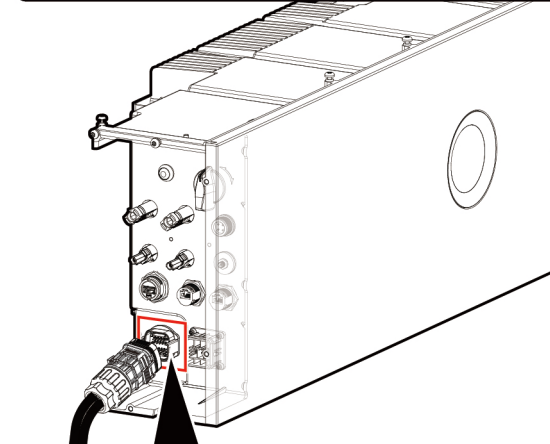
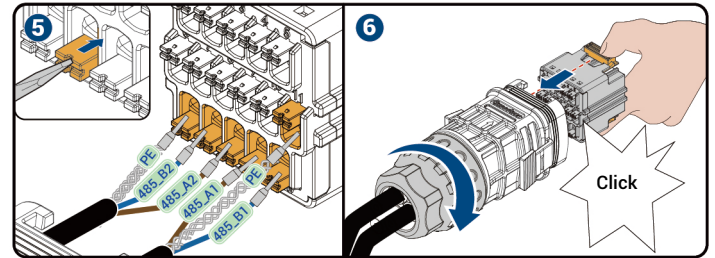
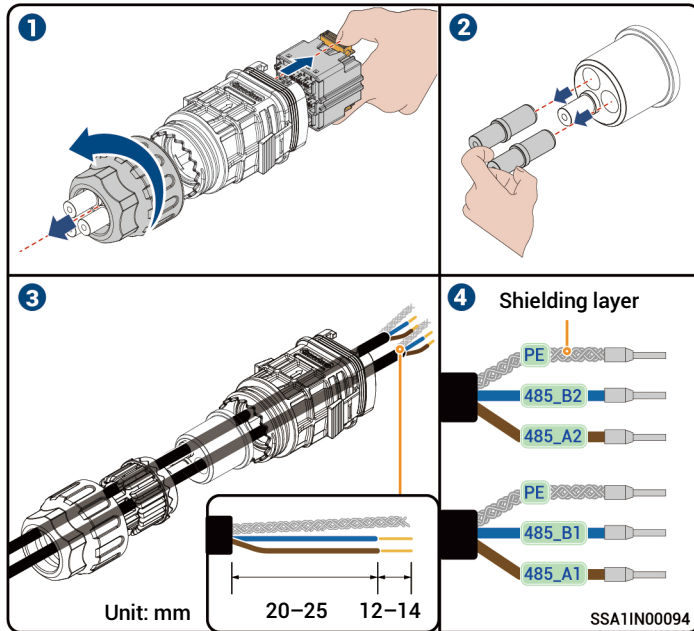
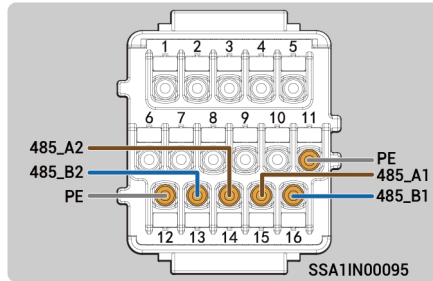
### 5.4.1 COM terminal introduction



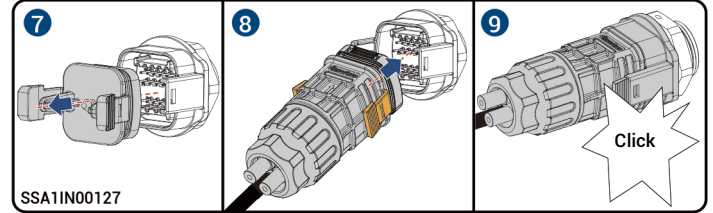
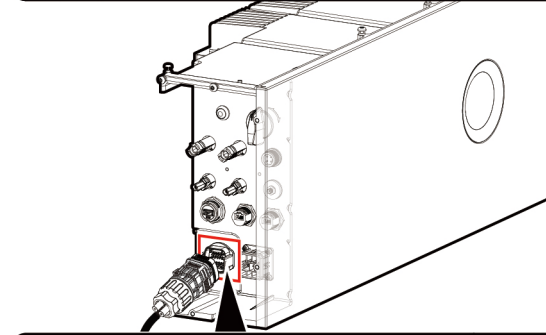
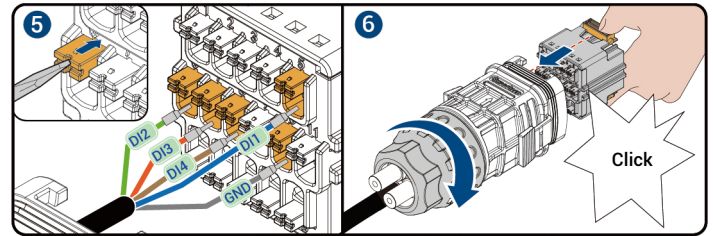
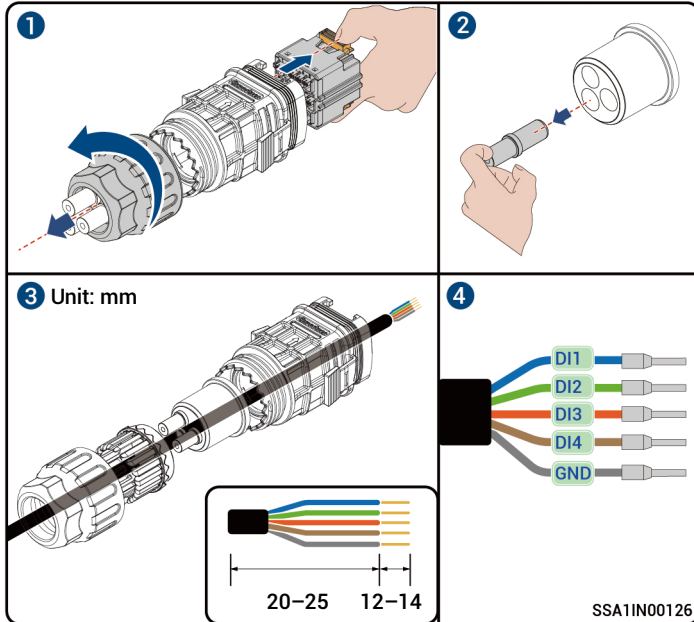
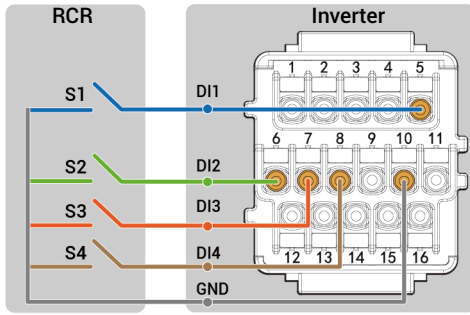
SSA11N00020

Description	Pin Definition		Pin Number	Sigen Sensor SP-DH (SDM230Modbus)	Sigen Sensor SP-CT120-DH (SDM120CT 40mA)
	Pin	Definition			
(Reserved) DO1, connected to third party intelligent electric equipment, such as switch control and heat pump	DO1-COM	Dry contact 1 – Common	1	–	–
	DO1-NO	Dry contact 1-Normal Open	2	–	–
(Reserved) DO2, connected to third party intelligent electric equipment, such as switch control and heat pump	DO2-COM	Dry contact 2-Common	3	–	–
	DO2-NO	Dry contact 2-Normal Open	4	–	–
For power scheduling, such as DRM and Ripple control Receiver	DI1	Digital input 1	5	–	–
	DI2	Digital input 2	6	–	–
	DI3	Digital input 3	7	–	–
	DI4	Digital input 4	8	–	–
-	GND	Signal GND	10	–	–
(Reserved)	DI5	Digital input 5	9	–	–
	PE	PE signal shielding ground	12	–	–
	485-B2	RS485 signal 2_B-	13	6	9
RS485-2, COM port used to access the power sensor	485-A2	RS485 signal 2_A+	14	5	10
RS485-1, custom port. It can be used to connect to third-party EMS controllers, electricity meters or heat pump equipment, etc.	PE	PE signal shielding ground	11	–	–
	485-A1	RS485 signal 1_A+	15	–	–
	485-B1	RS485 signal 1_B-	16	–	–

## 5.4.2 RS485 Signal Cable of inverter



### 5.4.3 (Optional) Grid Scheduling Signal Cable Connection



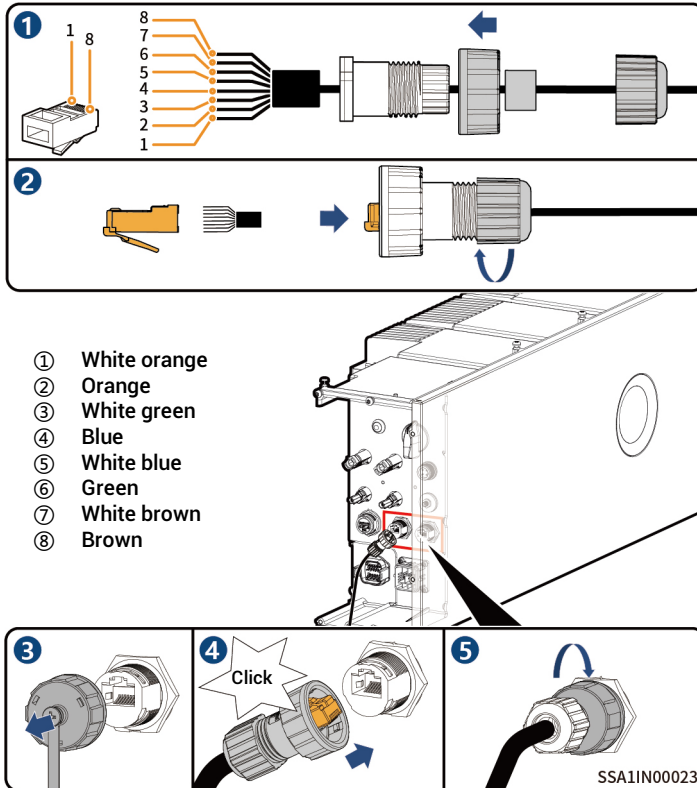
### Tips

After creating new systems, you can use the mySigen App to set the parameters for Active Dry Contact scheduling or Reactive Dry Contact scheduling. For specific operation steps, please refer to mySigen App Installer Manual.

## 5.5 RJ45 Cable of Inverter

### Tips

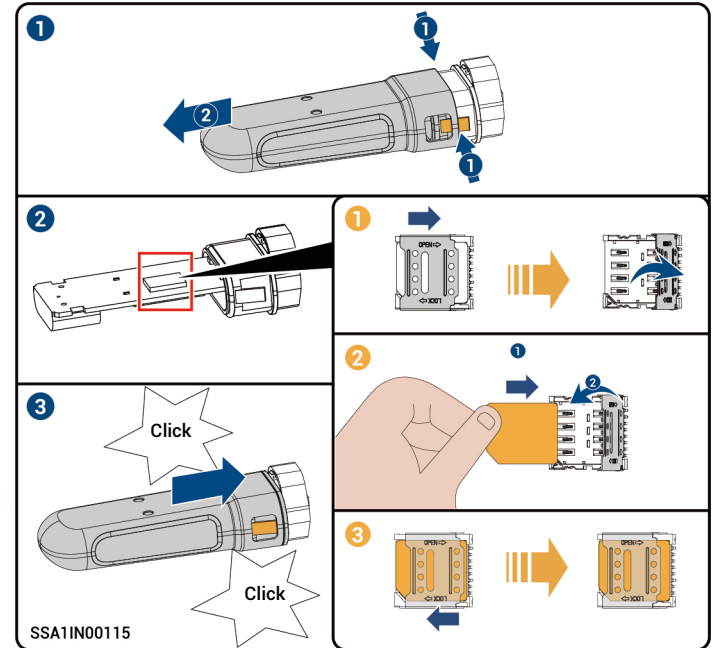
- RJ45 cables are EIA/TIA 568B standard cables.
- Two RJ45 Ethernet ports, one of which is connected to the router, and the other is connected to other devices (e.g., inverters, gateways, etc.).



## 5.6 (Optional) Replacing SIM card of Sigen CommMod

### Tips

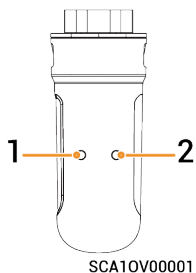
- When free 4G traffic of CommMod runs out, users must replace an SIM card.
- Please replace the SIM card in Sigen CommMod with a SIM card of your country or region. Recommended data plan:  $\geq 50 \text{ MB/month} \times N$ . (Wherein, N is the number of inverters)
- If you hear only one click sound when assembling Sigen CommMod in Step ③, complete the assembly on the other side.



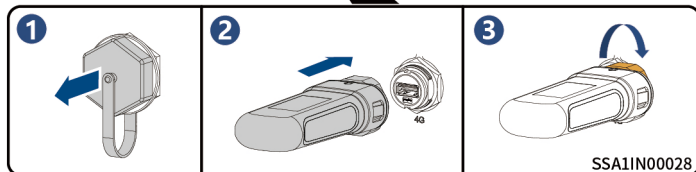
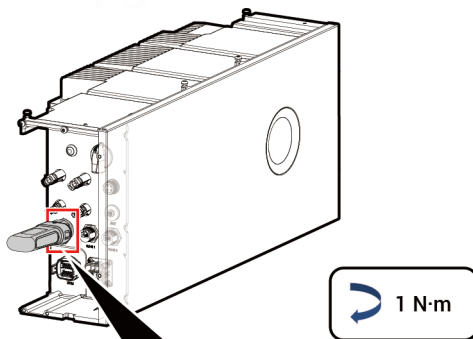
## 5.7 Sigen CommMod Installation

### Tips

Sigen CommMod is required for 4G communication.



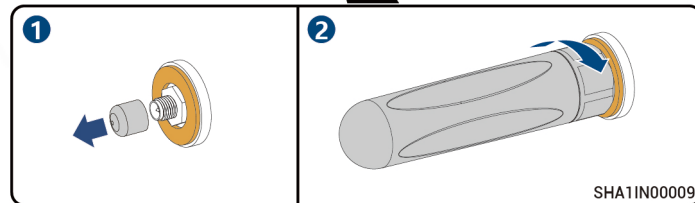
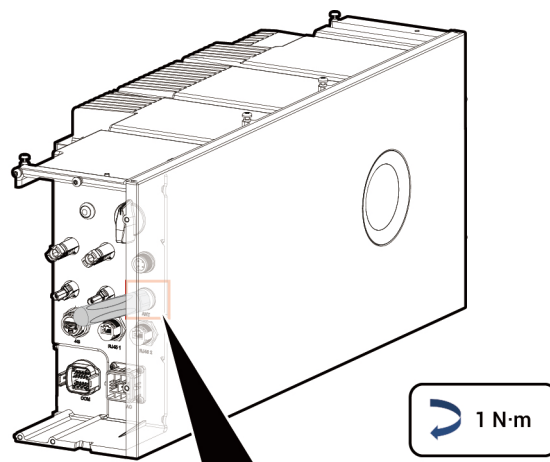
S/N	Indicator	Description
1	Power indicator	-
2	Network state indicator	<ul style="list-style-type: none"> <li>• Slow flashing (200ms on/1800ms off): The network is being connected</li> <li>• Slow flashing (1800ms on/200ms off): Standby</li> <li>• Quick flashing (125ms on/125ms off): Data is being transferred</li> </ul>



## 5.8 WLAN antenna stick Installation

### Tips

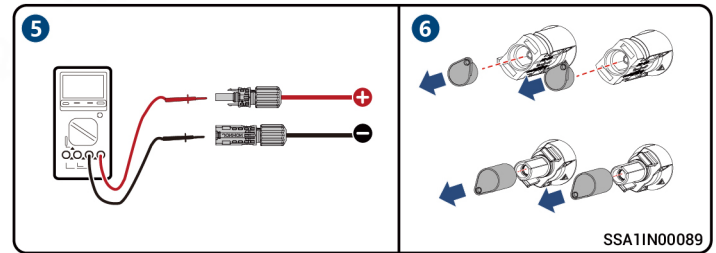
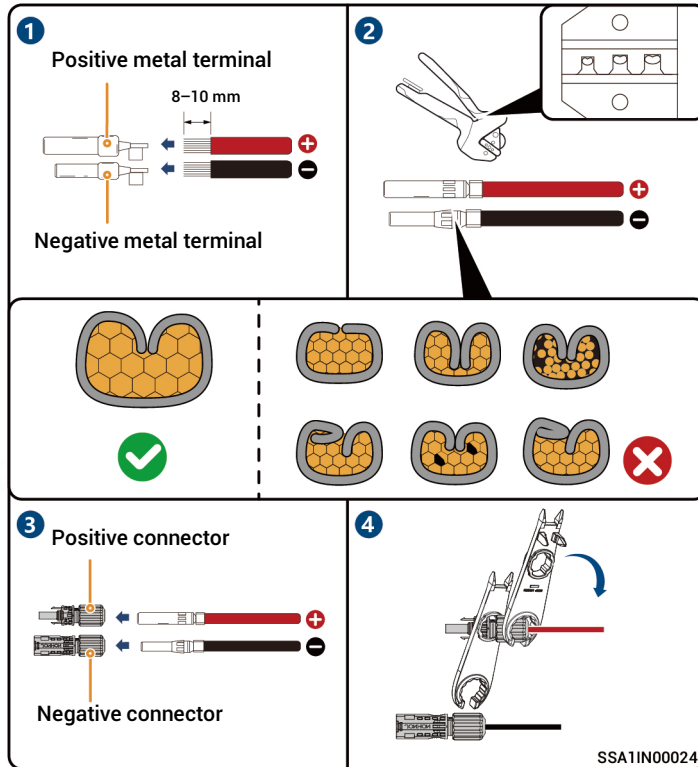
- WLAN communication requires the installation of WLAN antenna stick.
- To ensure good communication, tighten the antenna rod up clockwise. The antenna rod is tightened up when it cannot be easily turned counterclockwise.



## 5.9 DC input cable of Inverter

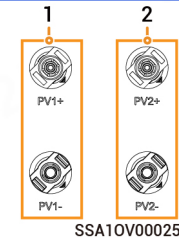
### Tips

- Please make sure that the circuit breaker on the PV side is electrically neutral before connection.
- The DC cable is connected to the inverter from the PV string. Ignore this section in case of SigenStor AC inverters.



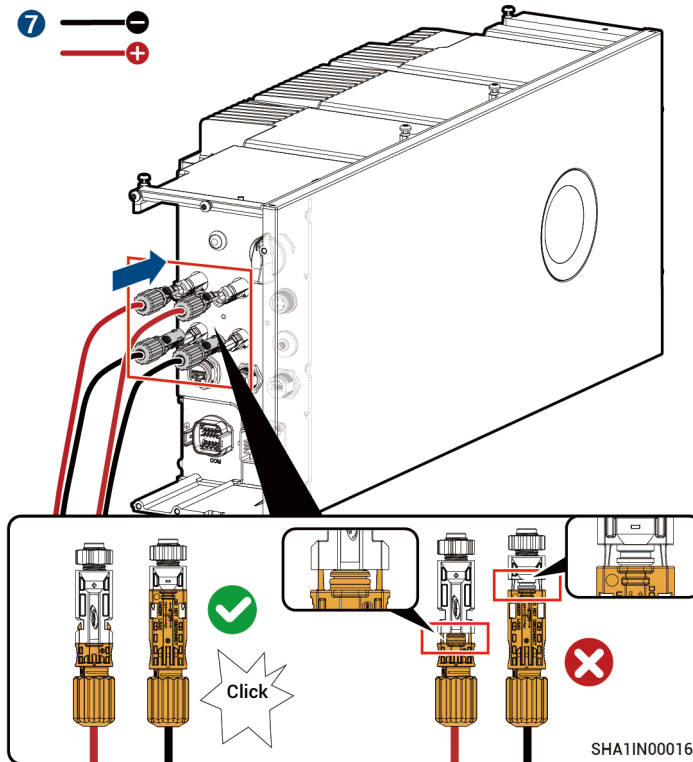
### Caution

- If the voltage is negative, the polarity is incorrect. Rectify the fault in time.
- Please select the PV strings according to the the table.



Product power range	PV string formation configuration
3.0-4.0 kW	connected with 1 channels of strings (1)
4.6-6.0 kW	connected with 2 channels of strings (1, 2)

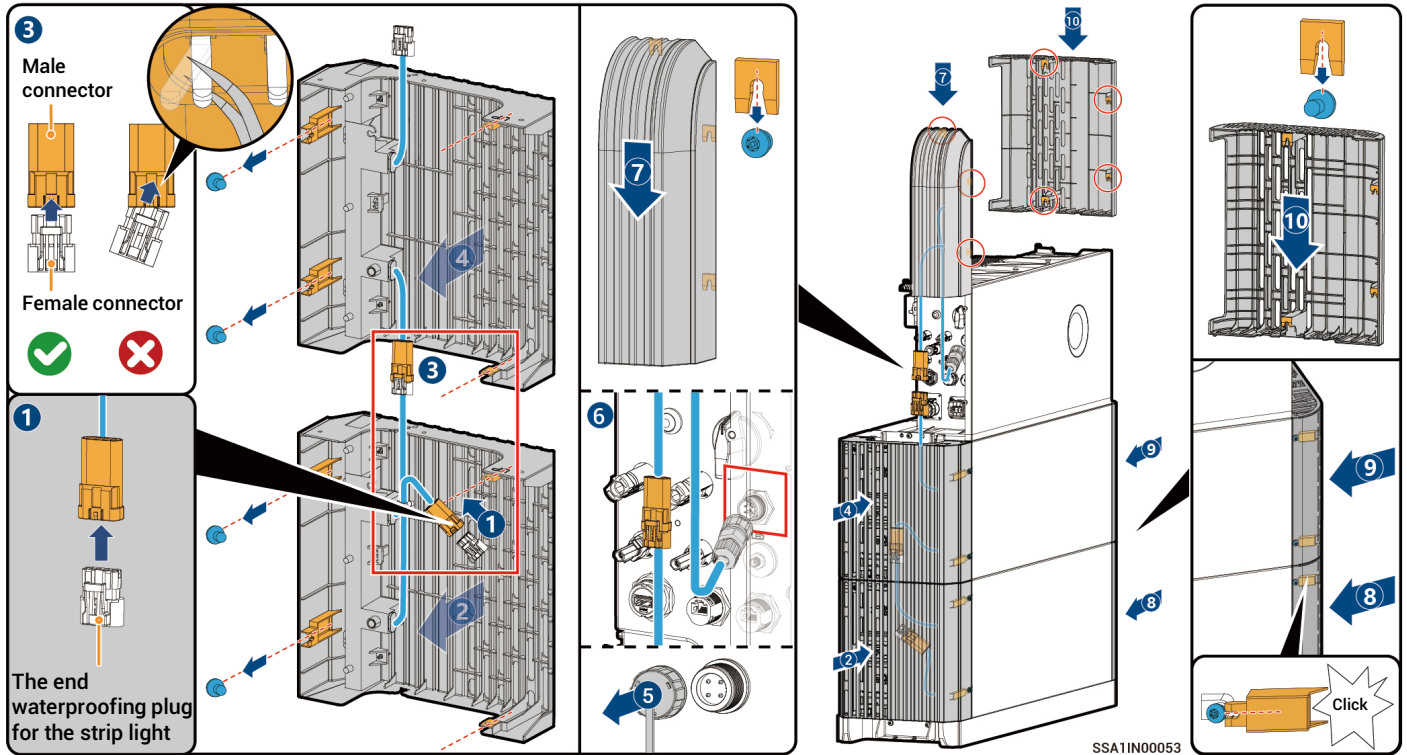
## 6 Post-installation Check



S/N	Check Item
1	The equipment has been securely installed.
2	Ground cables, DC cables, signal cables, etc. are installed accurately without leftovers.
3	The cable fastening screws or terminals are properly installed.
4	There are no sharp spikes or acute angles at the cut point of the cable tie.
5	DC SWICH is in the OFF state.
6	Ports that are not in use have waterproof covers or plugs installed.
7	There is no construction left inside or outside the equipment.

After confirmation, install the SigenStor BAT and SigenStor EC/SigenStor AC/Sigen Hybrid decorative covers.

## 7 Installation of the Decorative Cover

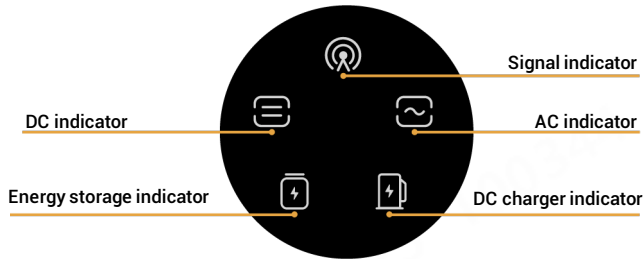


### ⚠ Caution

- The end waterproofing plug for the strip light in step **1** is at the lower end of the decoration on the left side of the inverter, please remove it for spare.
- If the strip light shows abnormal status when the device is powered on, check if the pins in the male connector are tilted. If tilted, straighten them out, reconnect the corresponding male and female connectors, or reconnect the terminal in Step **6** to resume normal operation.

## 8 Equipment Power-On

1. Turn on the upstream switch of equipment.
2. Rotate DC SWITCH to ON. (This step is not necessary for SigenStor AC)
3. Observe the indicators on the front side of the inverter to learn about the equipment status.

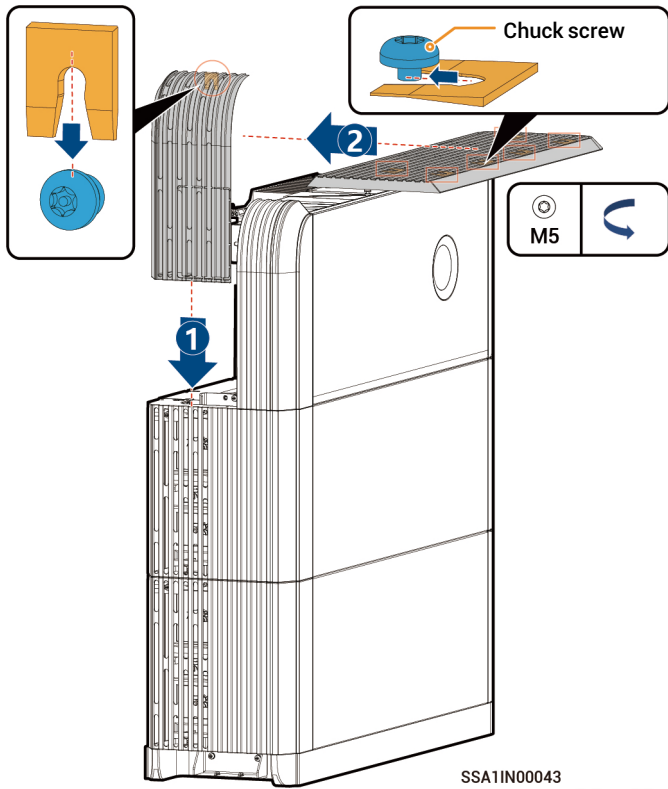


SSA1IN00027

Indicator	Color	State	Description
	White	Always on	The DC side is connected but not running.
	Green	Always on	The DC side is running.
	Grey	–	The DC side is not connected.
	Orange	Flash	The DC side is faulty.
	Red	Always on	The inverter is faulty.
	White	Always on	The AC side is connected but not running.
	Green	Always on	Grid-connected operation.
	Blue	Always on	Off-grid operation.
	Grey	–	The AC side is not connected.
	Blue	Flash	Off-grid overload operation.
	Orange	Flash	The AC side is faulty.
	Red	Always on	The inverter is faulty.

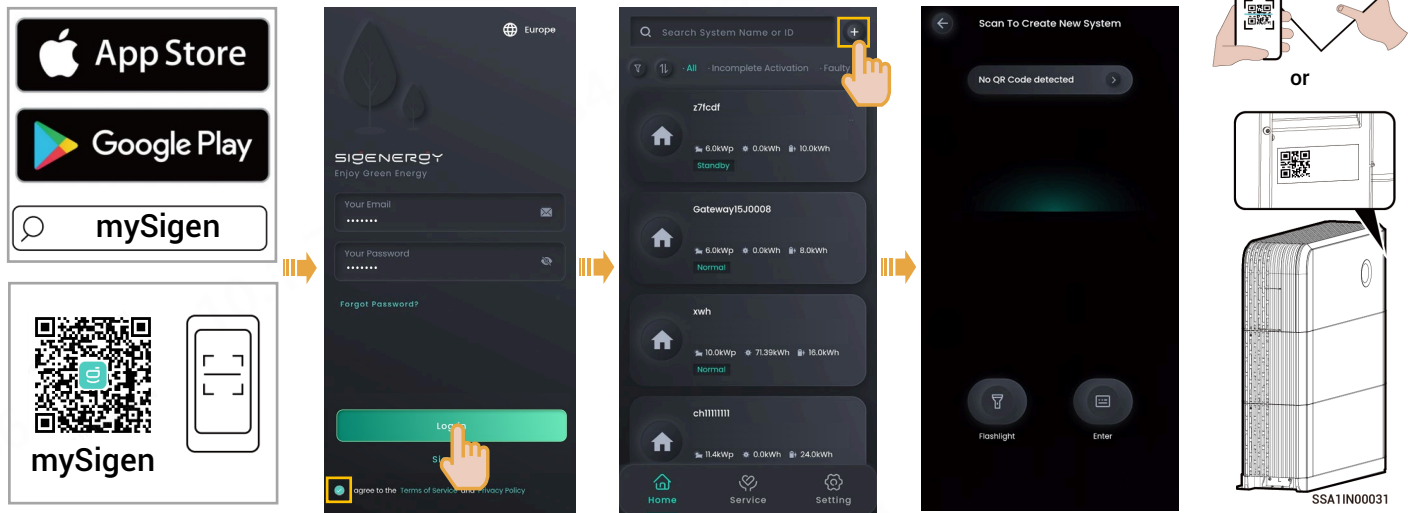
Indicator	Color	State	Description
	White	Always on	All SigenStor BATs are connected but not running.
	Green	Flash	SigenStor BAT is charging.
	Blue	Flash	SigenStor BAT is discharging.
	Grey	–	All SigenStor BATs lie dormant.
	Red	Flash	Some SigenStor BATs are faulty.
	Red	Always on	All SigenStor BATs are faulty.
	Grey	–	The management system is not connected.
	Green	Flash	Connected to local App.
	Green	Always on	Connected to the management system using an FE or WLAN.
	Blue	Always on	Connected to the management system over 4G.
	Blue	Flash	Insufficient traffic for Sigen CommMod.

After powering on the equipment, install the remaining decorative covers.



## 9 Download and create new system for mySigen APP

- 1 Please enter the "Partner" → "Register Now" at the Company's official website (<https://www.sigenergy.com>), and complete the account registration based on facts.
- 2 Download the mySigen App and create new system for the device.

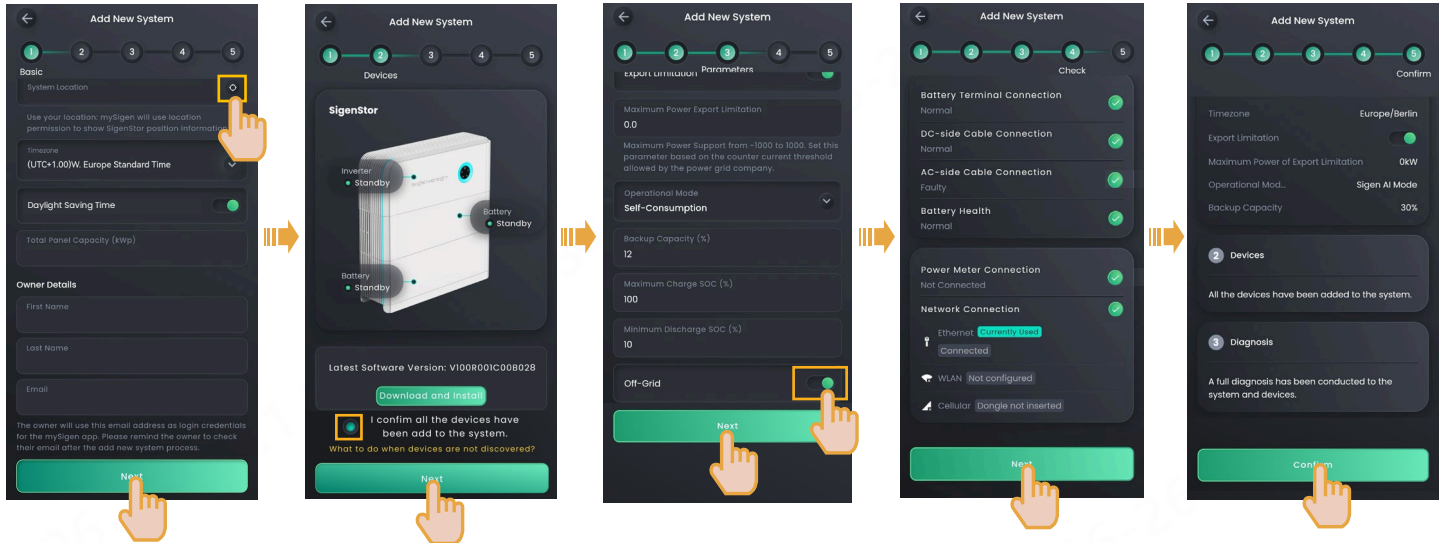


Scan the SN code label on the accompanying box material. If the SN is lost, scan the SN on the side of the inverter.

### Tips

The following steps are different when the equipment has already been connected or not connected to the internet (that is, FE and 4G communication fault), as described below.

## Already connected to the internet:



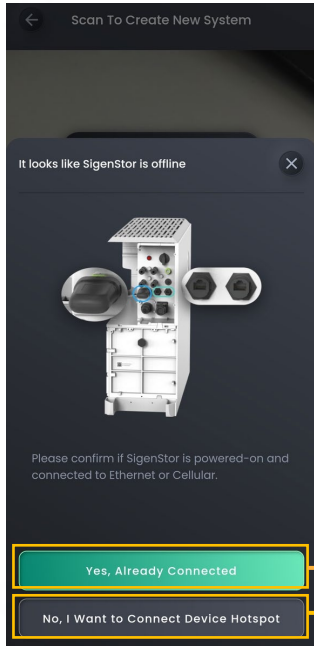
Manually locate the address, set the Timezone, and enter Owner Details.

Perform upgrades where necessary.

- If Gateway is configured in the system, the screen displays the Off-Grid button.
- In off-grid state, the Off-Grid button is turned off by default. In this case, the inverter can only operate in on-grid mode. If the Off-Grid button is manually turned on, the inverter can switch between off-grid and on-grid modes.

**3** Upon completion of the new system creation, the installer shall inform the owner to check its "sigencloud" e-mail within 24 hours and proceed with activating its account.

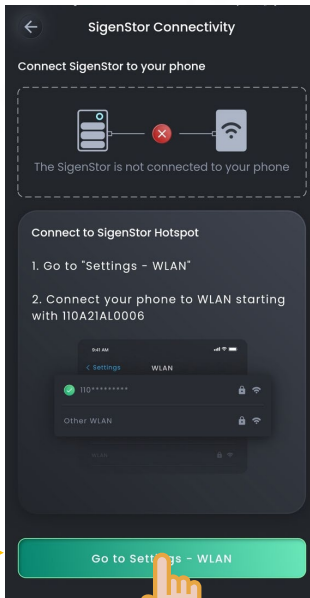
# Not connected to the internet (that is, FE and 4G communication fault):



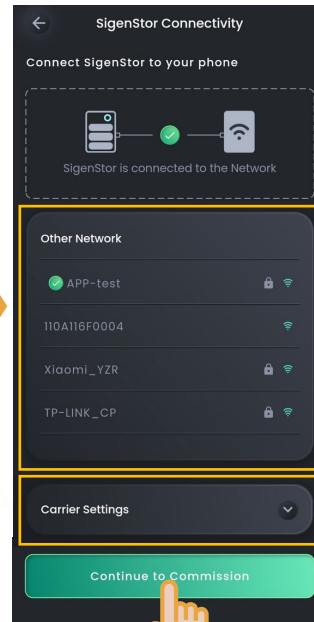
Click this button if the equipment is still not connected to the internet

**Caution**  
After create new system, the equipment hotspot is available for 2 hours. Please connect to the hotspot as soon as possible.

If the equipment has already been connected to the internet, click this button and go to the Create New System page and perform operations by referring to the description in the "already connected to the internet" section.

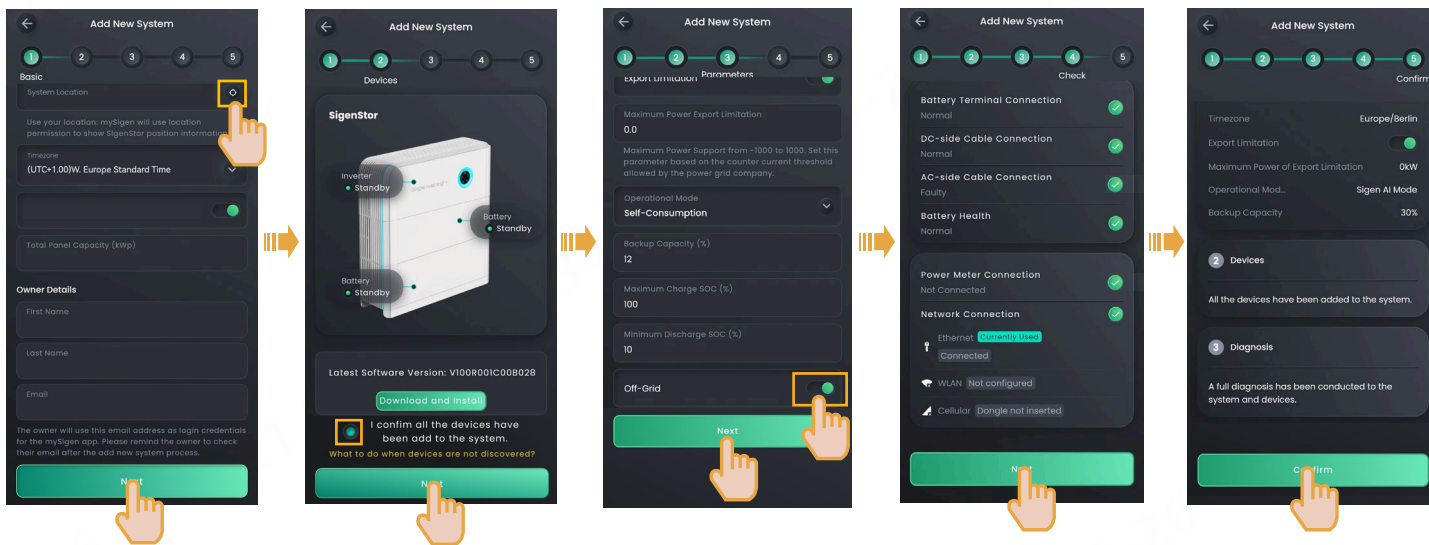


Connect the WLAN hotspot of the equipment. The hotspot is named equipment SN code.



If connected to the WLAN hotspot at the owner's premises or if the SIM card APN is set (the device has a SIM card installed), click "Continue to Commission" to go to the page for creating new systems. You can refer to the description in the "already connected to the internet" section.

If there is no available WLAN hotspot at the owner's premises, or if the device has no SIM card installed, click "Continue to Commission" and follow the on-screen instructions to proceed.



Manually locate the address, set the Timezone, and enter Owner Details.

Perform upgrades where necessary.

- If Gateway is configured in the system, the screen displays the Off-Grid button.
- In off-grid state, the Off-Grid button is turned off by default. In this case, the inverter can only operate in on-grid mode. If the Off-Grid button is manually turned on, the inverter can switch between off-grid and on-grid modes.

**3** Upon completion of the new system creation, the installer shall inform the owner to check its "signecloud" e-mail within 24 hours and proceed with activating its account.

**Sigenergy Technology Co., Ltd.**



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