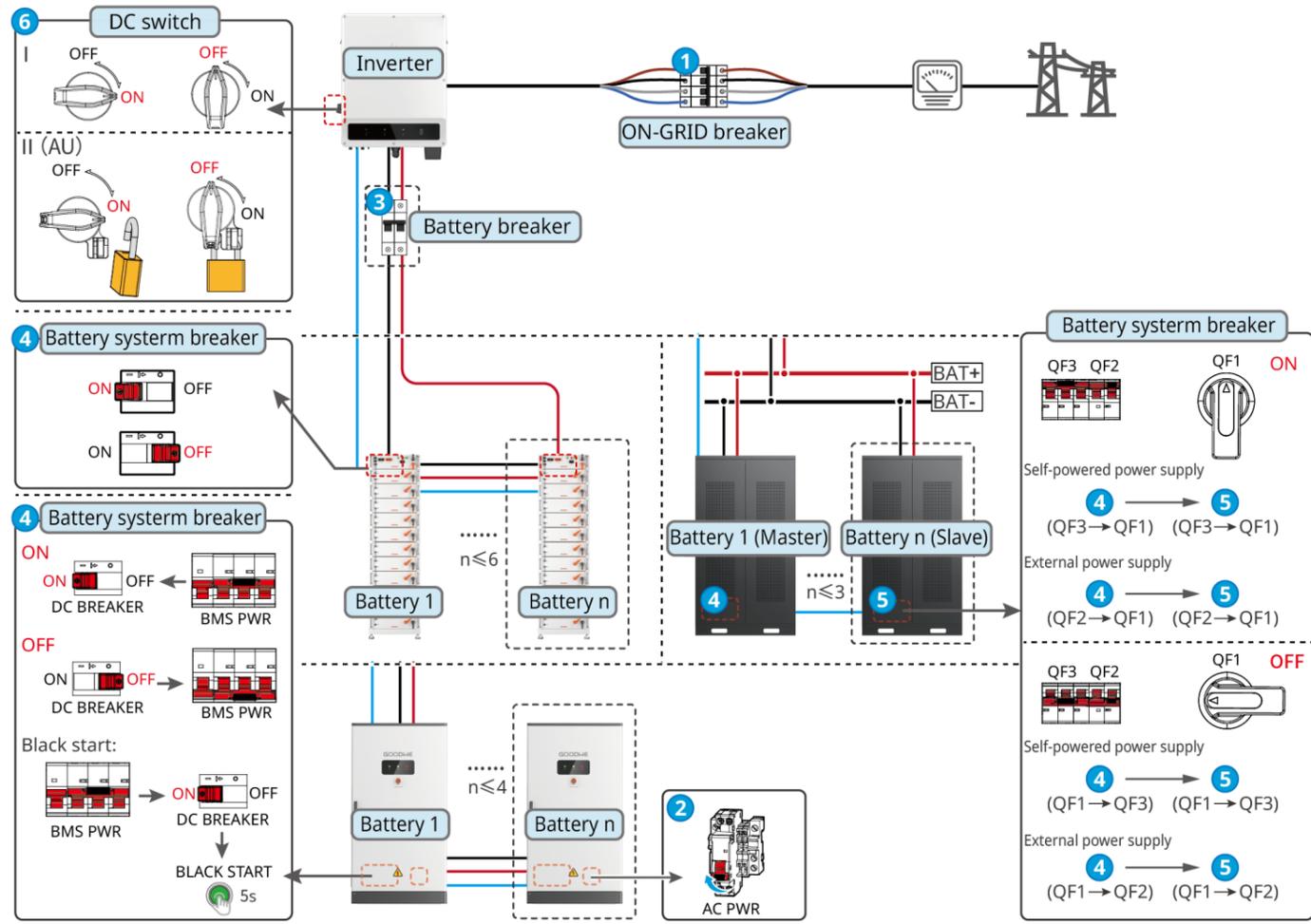


02 Power On/Off

Single inverter, without BACK-UP function

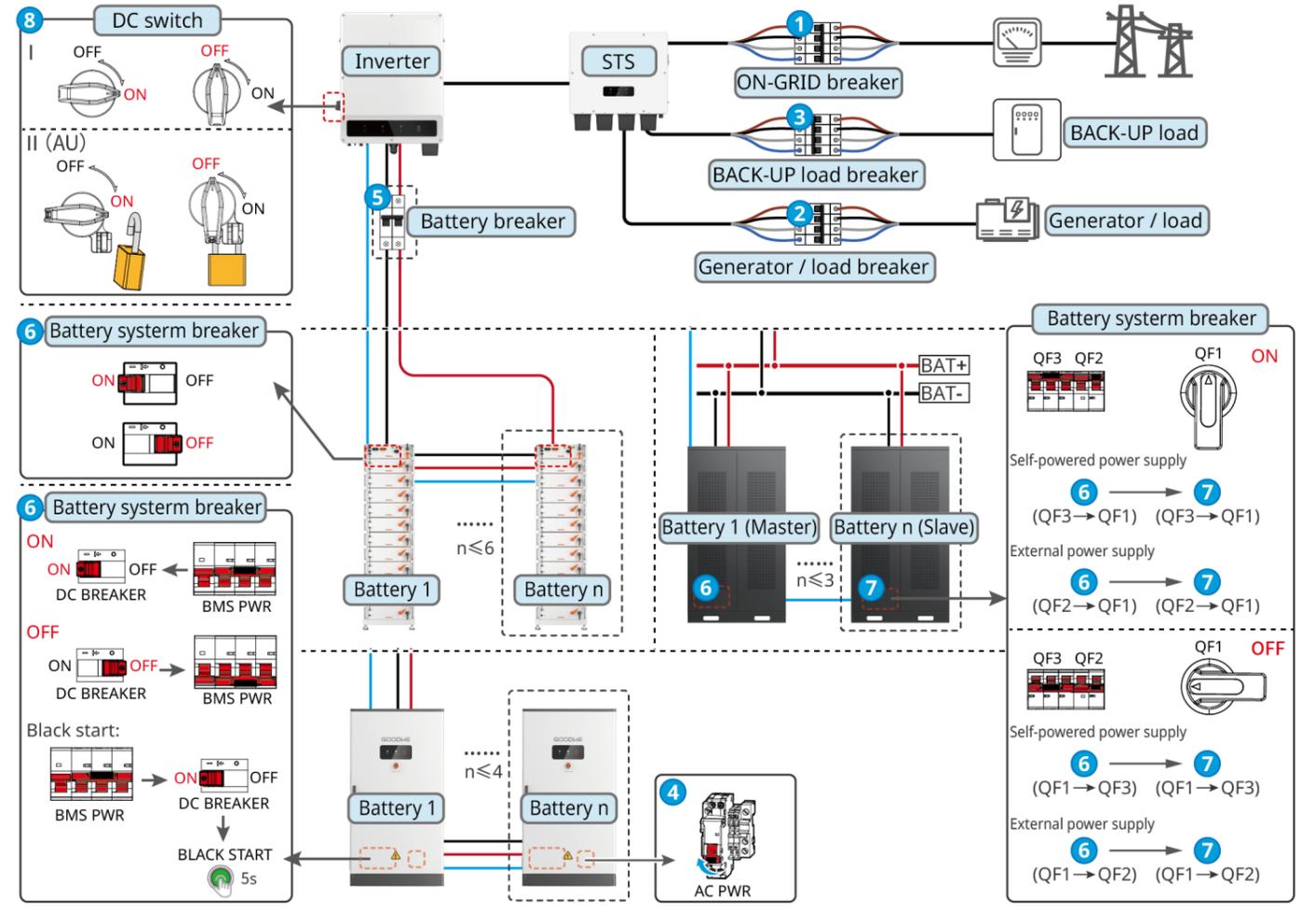


Power ON/OFF:



3 Optional in compliance with local laws and regulations

Single inverter, with BACK-UP function

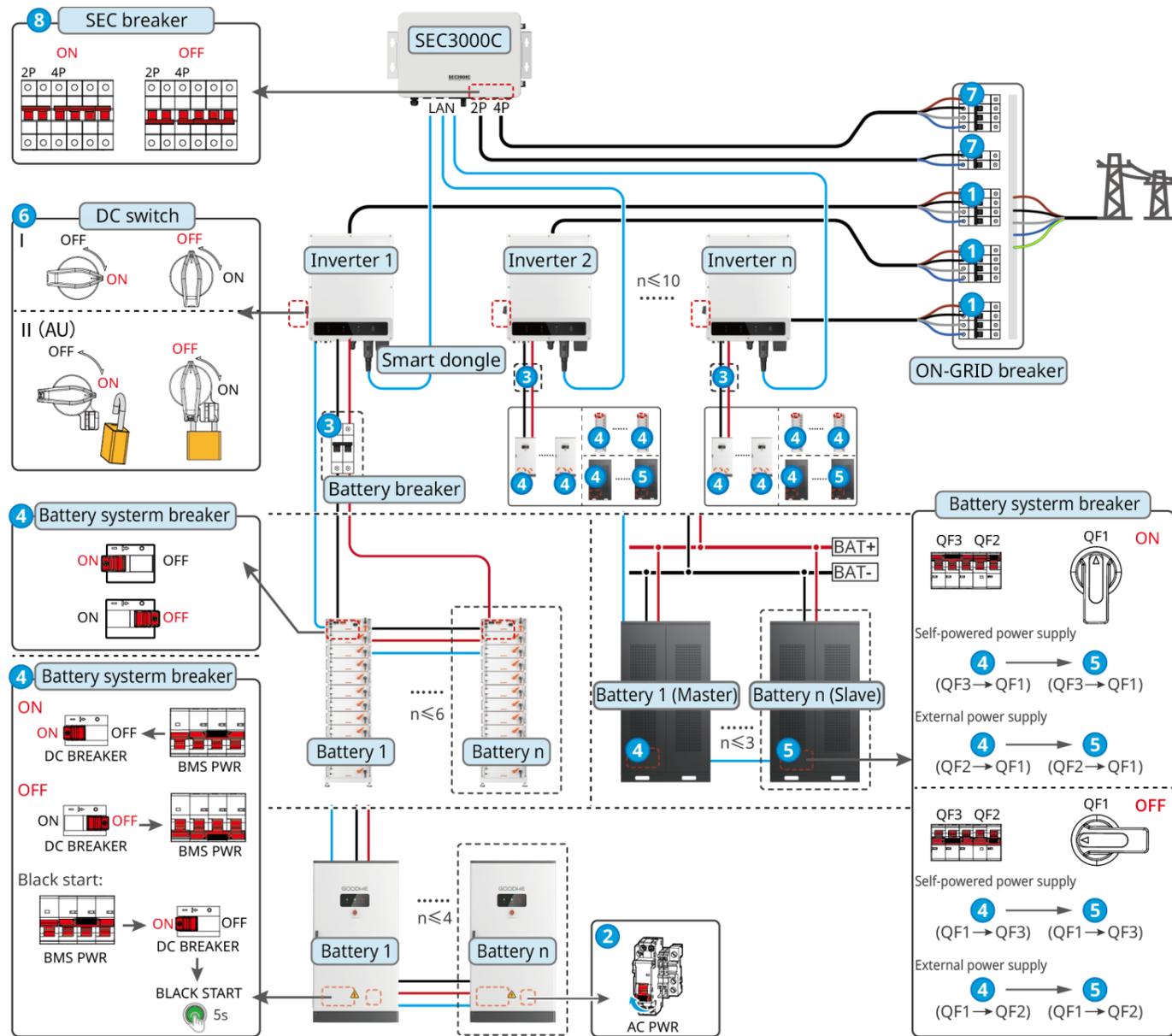


Power ON/OFF:



5 Optional in compliance with local laws and regulations

Multiple inverters in parallel, without BACK-UP function: ET+Battery+ SEC3000C+WiFi/LAN Kit-20 (number of inverter in parallel ≤10)



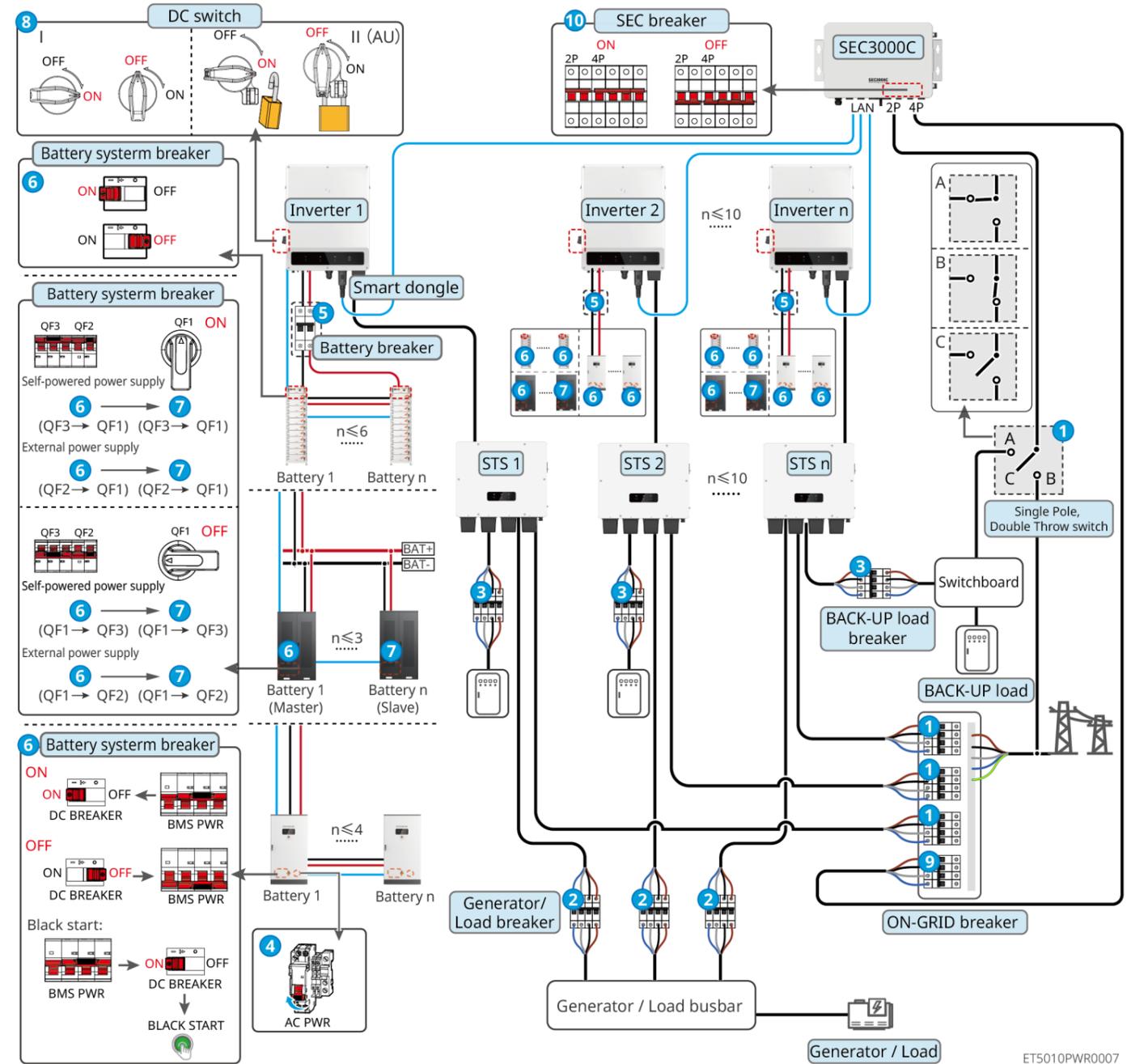
ET5010PWR0006

Power ON/OFF:



3 Optional in compliance with local laws and regulations

Multiple inverters in parallel, without BACK-UP paralleling: ET+STS+Battery+ SEC3000C+WiFi/LAN Kit-20 (number of inverter in parallel ≤10)



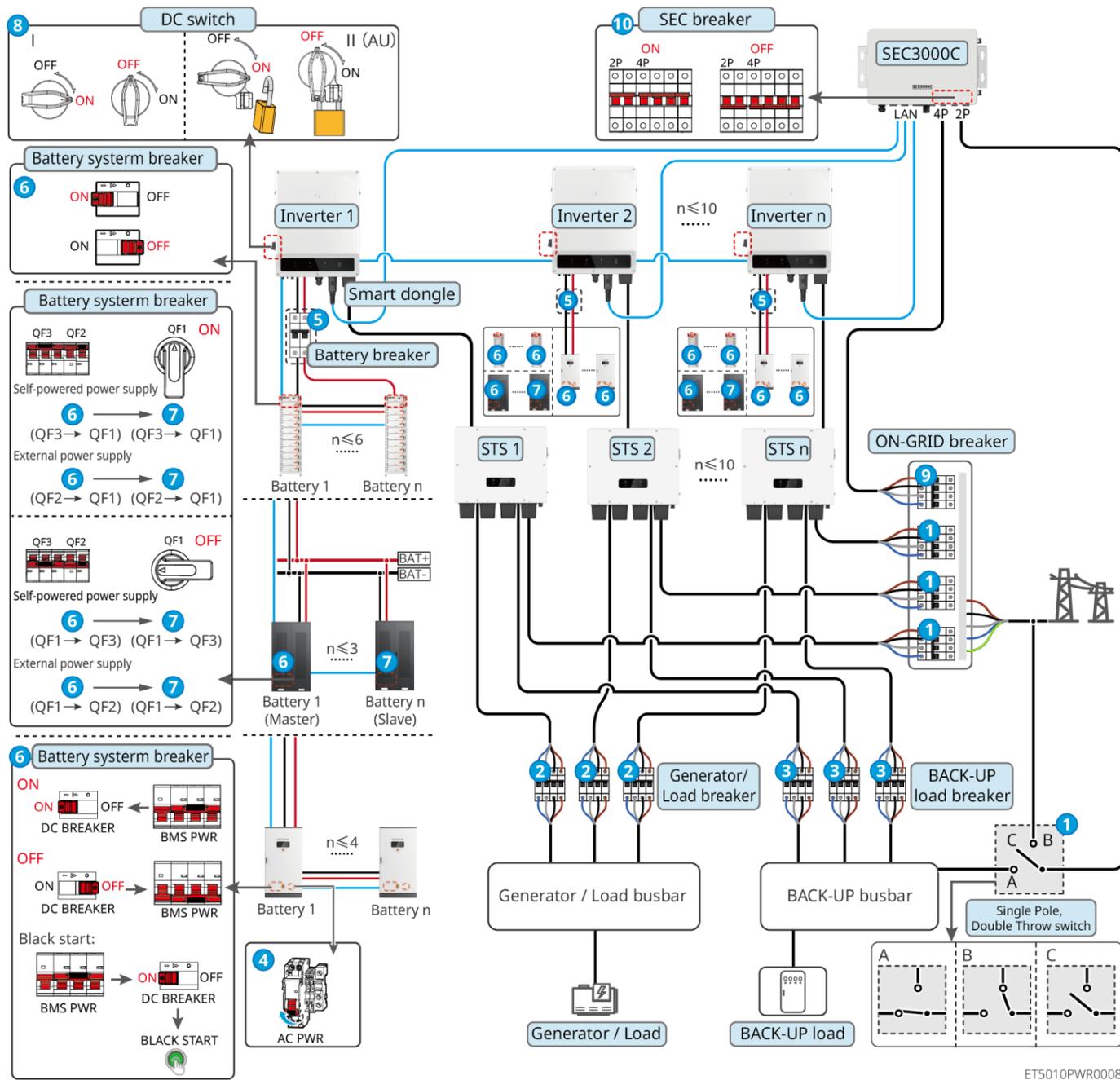
ET5010PWR0007

Power ON/OFF:



5 Optional in compliance with local laws and regulations

Multiple inverters in parallel, with BACK-UP paralleling: ET+STS+Battery+ SEC3000C+WiFi/LAN Kit-20 (number of inverter in parallel ≤10)



ET5010PWR0008

Power ON/OFF:



5 Optional in compliance with local laws and regulations

03 Installations

| Steps | 1 Installation | 2 PE | 3 PV | 4 Battery | 5 AC | 6 COM | 7 Communication module | | | |
|----------|--------------------------------------|-------------|----------------------------|-------------------|----------------------------|-----------------------------|------------------------|--------------------------|-----------------|--|
| Inverter | | | | | | | STS/BMS/METER | 4G Kit-CN LS4G Kit-CN | WiFi/LAN Kit-20 | |
| Tools | 1 D: 80mm Φ: 8mm 2 M5 1.2-2N·m | M5 1.5-2N·m | Recommend: PV-CZM-61100 | Recommend: YQK-70 | 1 M8 6-8N·m 2 M4 1.2N·m | 1 M8 8-10N·m 2 M4 0.8N·m | M4 1.5N·m | 4G KIT-CN-G21 | | |

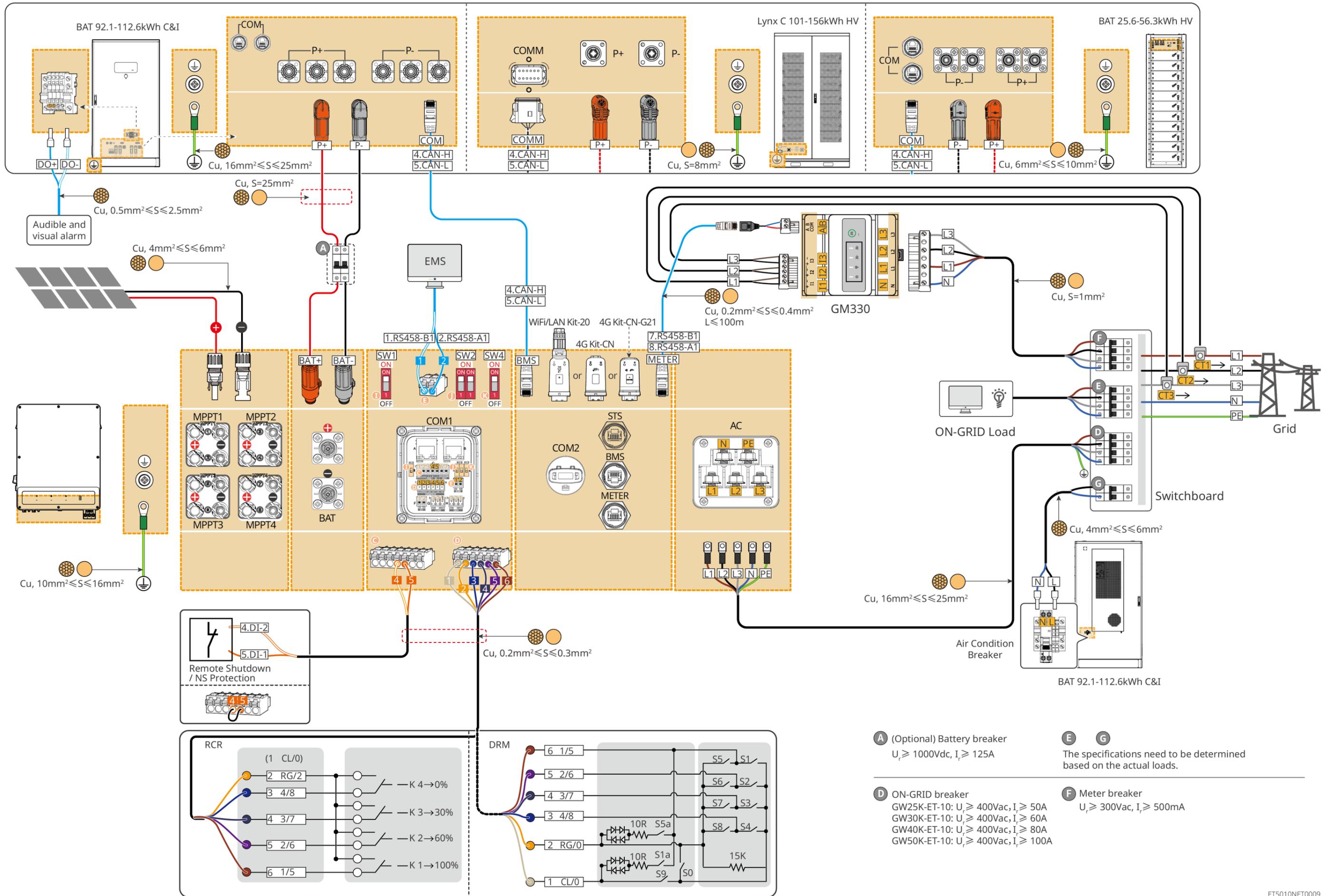
| Steps | 1 Installation | | 2 PE | | 3 Battery | | | 4 COM | | 5 Air-conditioner wiring |
|---------|-------------------------------------|----------------------|-----------------------|----------------------|------------------------------|----------------------|---|-----------------------|----------------------|--------------------------|
| Battery | BAT 92.1-112.6kWh C&I | Lynx C 101-156kWh HV | BAT 92.1-112.6kWh C&I | Lynx C 101-156kWh HV | BAT 92.1-112.6kWh C&I | Lynx C 101-156kWh HV | | BAT 92.1-112.6kWh C&I | Lynx C 101-156kWh HV | BAT 92.1-112.6kWh C&I |
| Tools | 1 D: 80mm Φ: 14mm 2 M12 50N·m | M6 4.5-6N·m | M5 4N·m | M8 10N·m | Crimping tool M8 10-12N·m | | 1 | Alarm | COM | AC PWR M4 1.2N·m |

| Steps | 1 Installation | | | | 2 PE | 3 Battery | 4 COM |
|---------|---------------------|------------------------------------|------------------------------|---|---------|---------------|--------|
| Battery | BAT 25.6-56.3kWh HV | | | | | | |
| Tools | 1 3 M5 4N·m | 2A D: 80mm Φ: 14mm M12 50N·m | 2B M5 4N·m ST6.3 10-11N·m | 1 4 5 8 M5 4N·m 2 6 D: 60mm Φ: 8mm 3 7 M6 6N·m | M5 4N·m | Crimping tool | COM IN |

| Steps | 1 Installation | 2 PE | 3 AC | 4 CT | 5 COM | 6 ETH | 7 4G | 8 DO/DI/AI/PT |
|------------------------|--|-------------|-------------|--------|-------|-------|------|---------------|
| Controller SEC3000C | | | | | | | | |
| Tools | <p>A B D: 70mm φ: 15mm</p> <p>A M12 42N·m B C M10 24N·m</p> | M5 1.5-2N·m | M7 2-2.5N·m | 0.5N·m | | | | M2 0.5N·m |

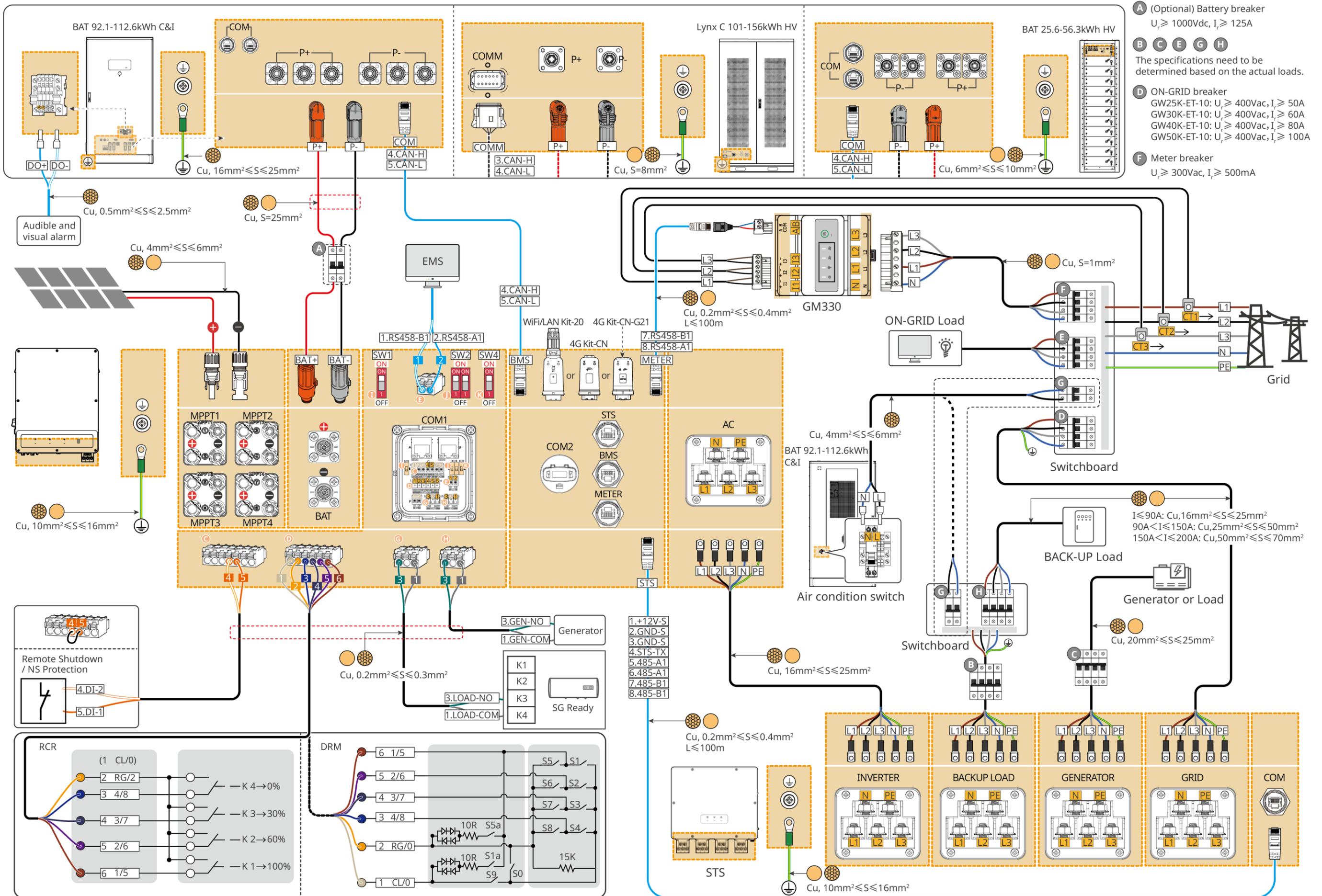
| Steps | 1 Installation | 2 PE | 3 AC | 4 COM | Steps | 1 Installation | 2 Cable Connections | 3 Power | 4 Commissioning |
|-------|--|-------------|---------------------------------------|--|----------------------|----------------|-------------------------------------|--|-----------------|
| STS | | | | | Smart meter GM330 | | | | |
| Tools | <p>1 D: 80mm φ: 8mm</p> <p>2 M5 1.2-2N·m</p> | M5 1.5-2N·m | <p>1 M8 6-8N·m</p> <p>2 M4 1.2N·m</p> | <p>1 M8 8-10N·m</p> <p>2 M4 0.8N·m</p> | | | <p>1 1.2-2N·m</p> <p>AC breaker</p> | <p>SolarGo APP</p> <p>SEMS+ APP or SEMS+ WEB</p> | |

04 Wiring Diagram Single inverter, without BACK-UP function: Inverter + Battery + GM330

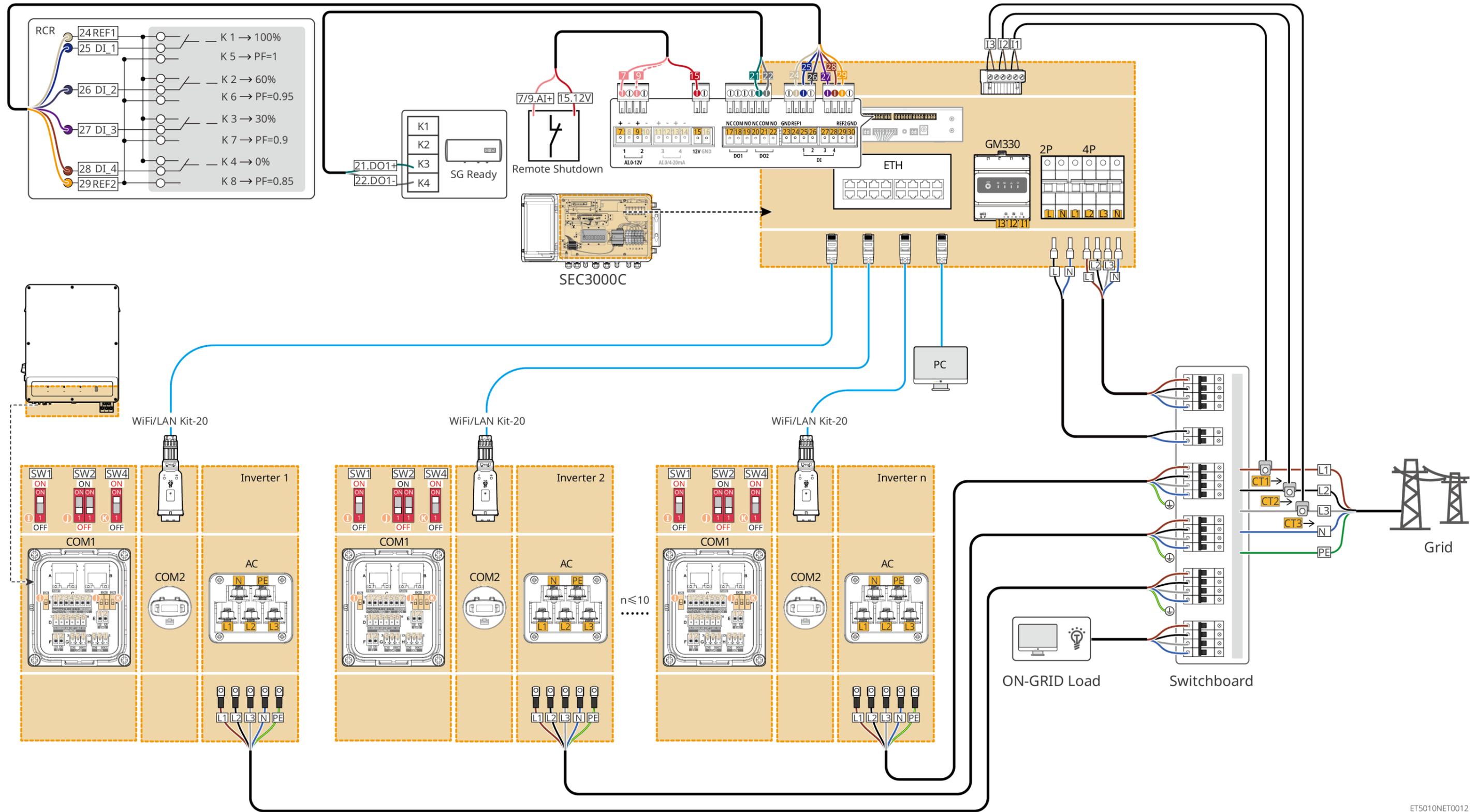


- (A)** (Optional) Battery breaker
 $U_i \geq 1000Vdc, I_i \geq 125A$
- (E)** **(G)**
The specifications need to be determined based on the actual loads.
- (D)** ON-GRID breaker
GW25K-ET-10: $U_i \geq 400Vac, I_i \geq 50A$
GW30K-ET-10: $U_i \geq 400Vac, I_i \geq 60A$
GW40K-ET-10: $U_i \geq 400Vac, I_i \geq 80A$
GW50K-ET-10: $U_i \geq 400Vac, I_i \geq 100A$
- (F)** Meter breaker
 $U_i \geq 300Vac, I_i \geq 500mA$

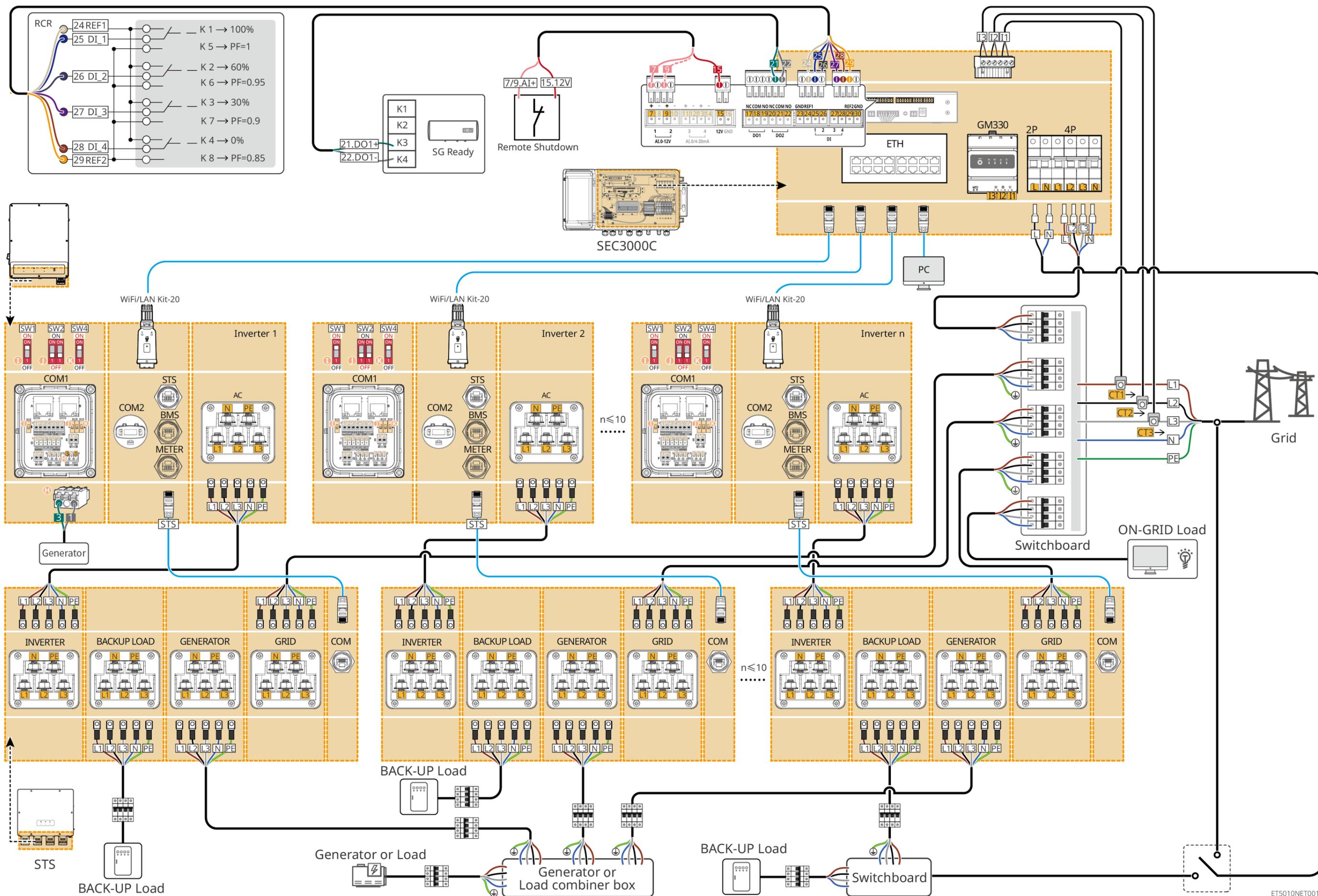
Single inverter, with BACK-UP function: Inverter + STS + Battery + GM330



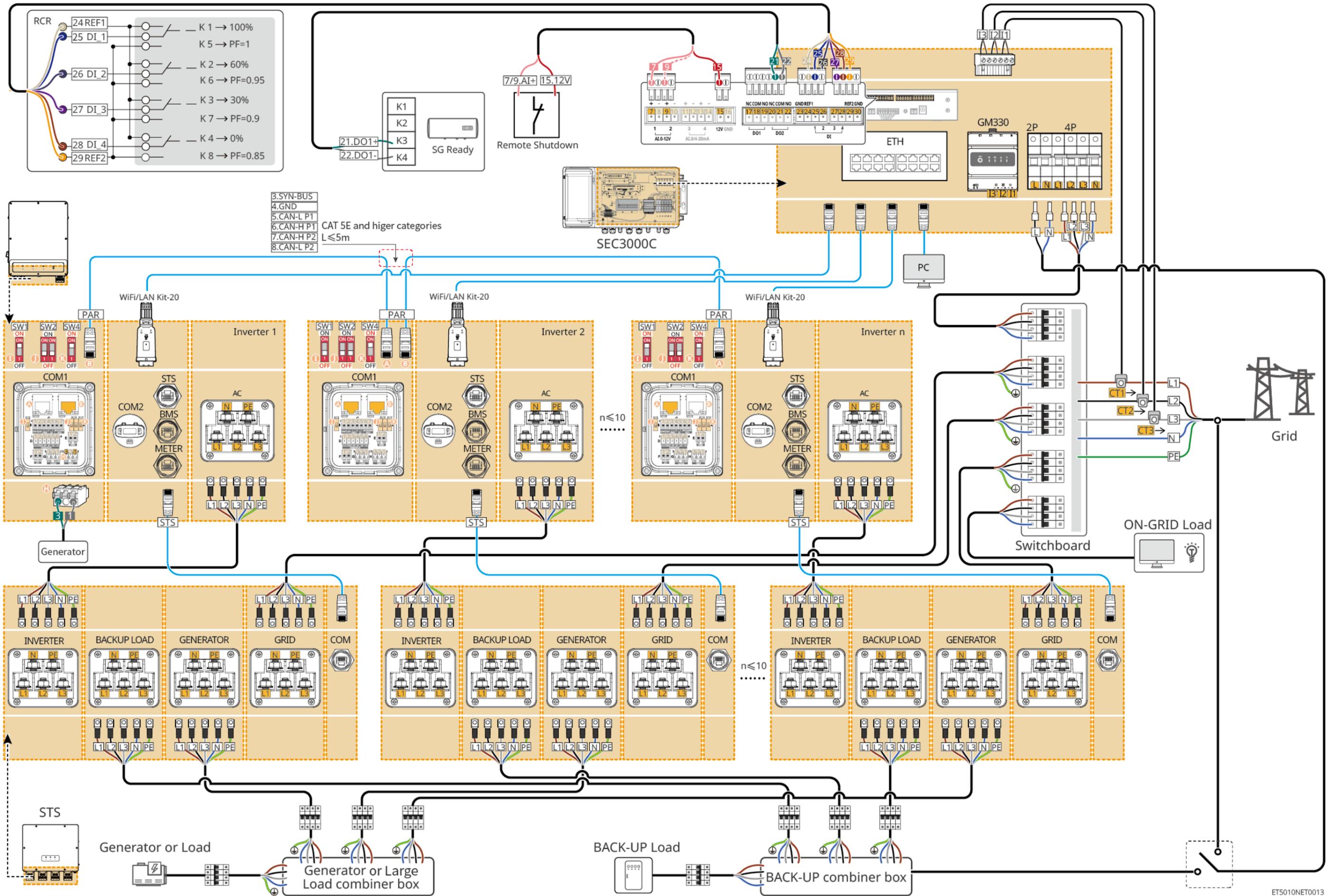
Multiple inverter in parallel, without BACK-UP function: Inverters + Battery + SEC3000C + WiFi/LAN Kit-20 (number of inverters in parallel ≤ 10)



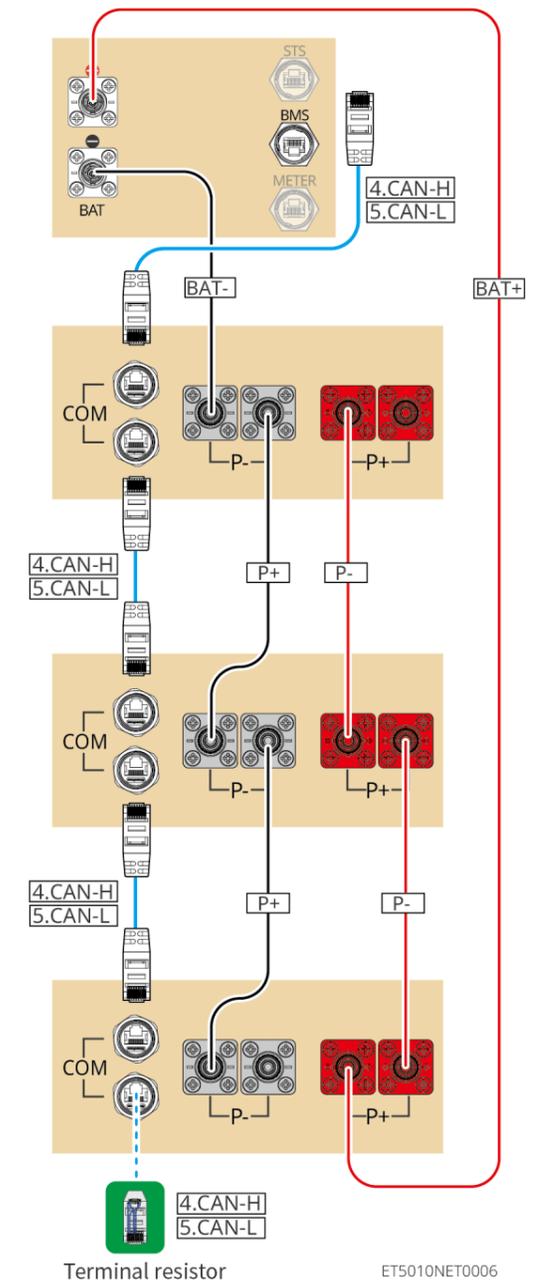
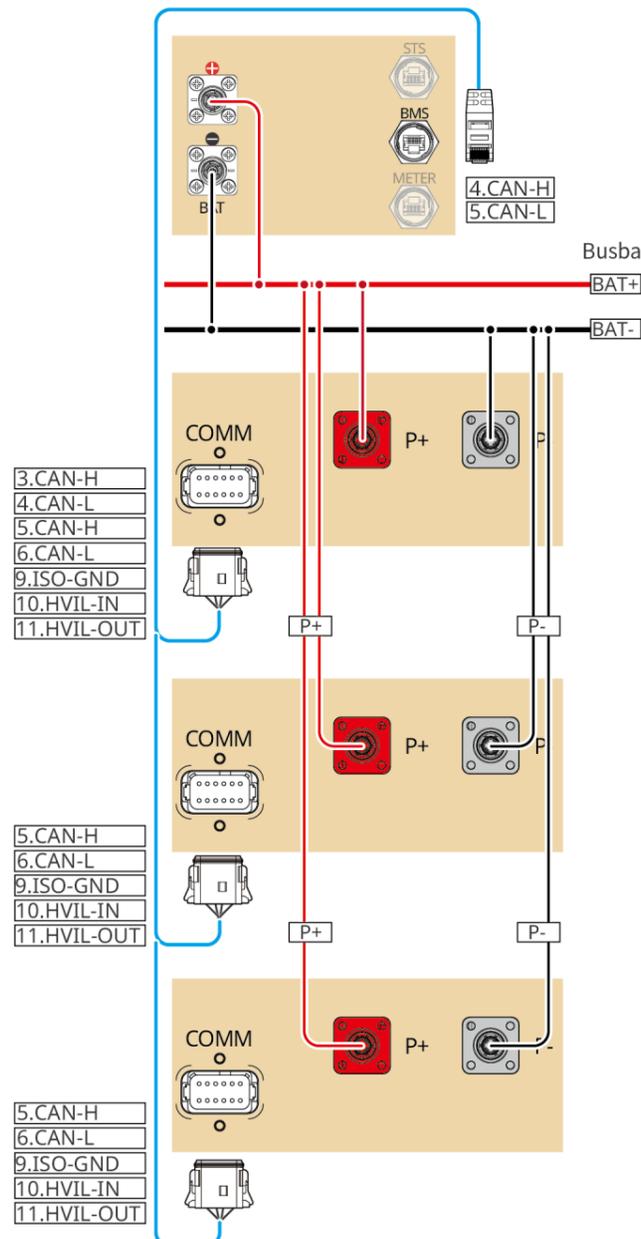
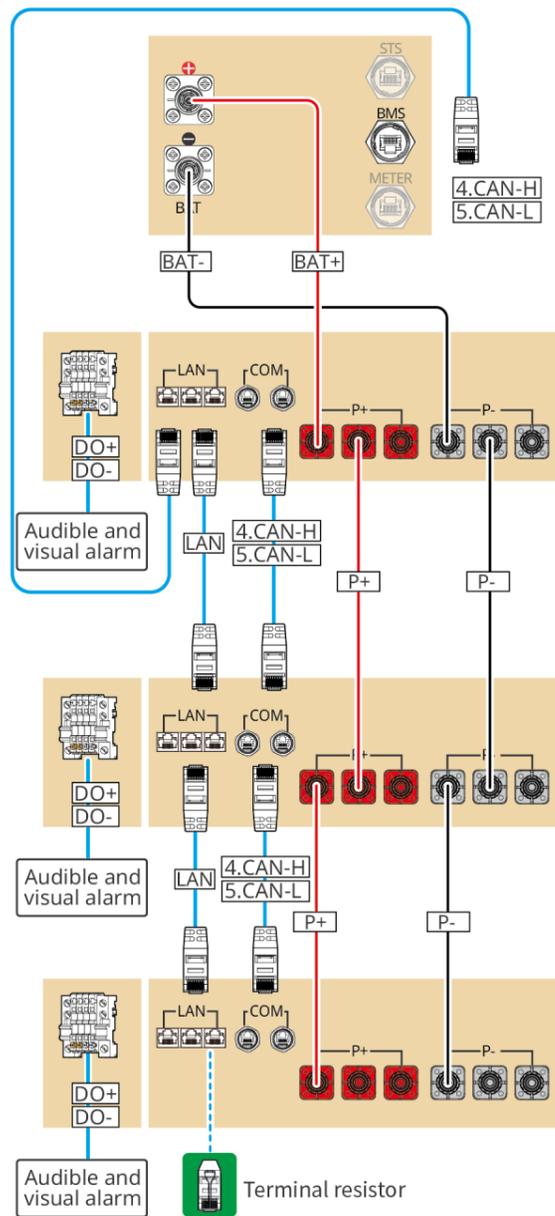
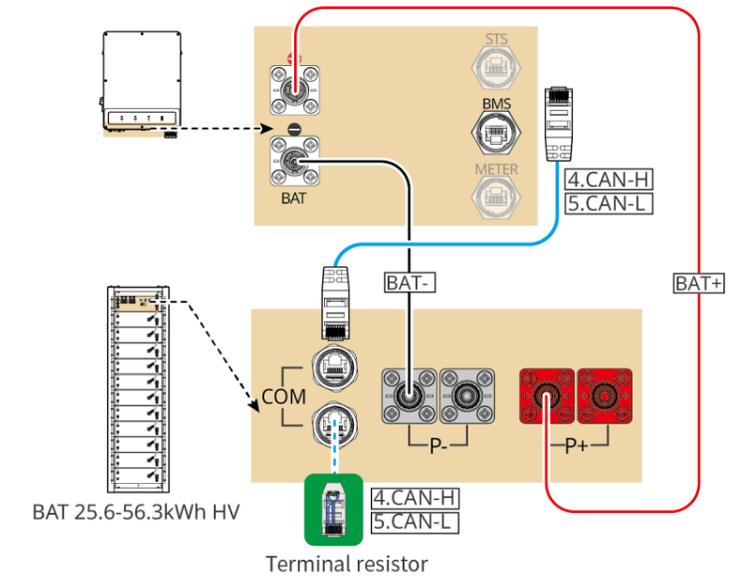
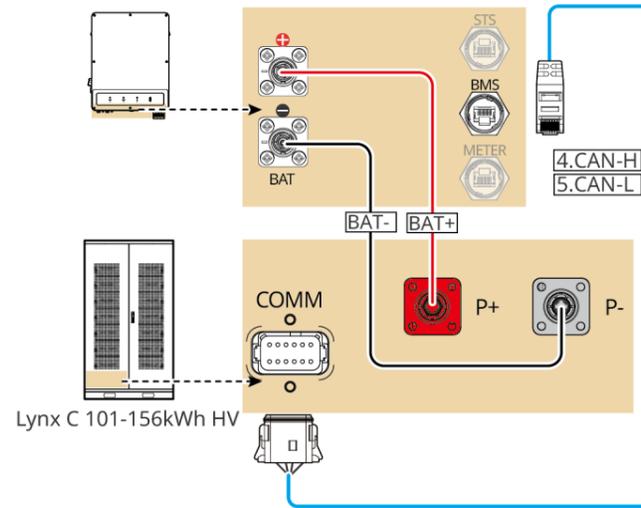
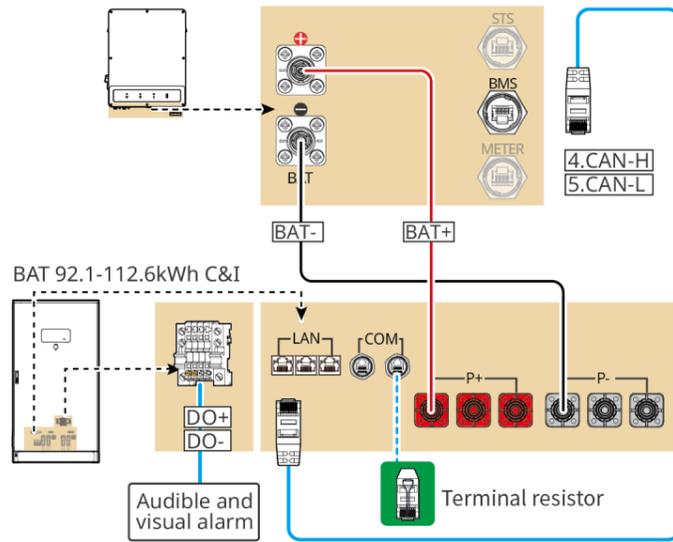
Multiple inverter in parallel, without BACK-UP paralleling: Inverters + STS + Battery + SEC3000C + WiFi/LAN Kit-20 (number of inverters ≤ 10)



Multiple inverter in parallel, with BACK-UP paralleling: Inverters + STS + Battery + SEC3000C + WiFi/LAN Kit-20 (number of inverters ≤ 10)



Battery system wiring diagram



— CAT 5E and higher categories

ET5010NET0006

05 Commissioning

If the energy storage system has been operated independently, it is necessary to ensure that all energy storage system parameters are set the same before forming a parallel system; Otherwise, it may result in the failure of parallel system parameter settings.

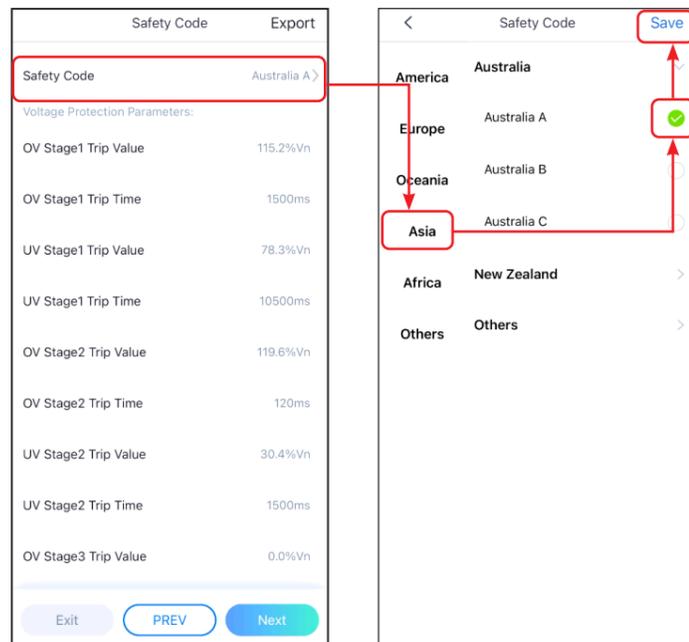


- In parallel scenarios, the software version of SolarGo App should be 5.7.1 or above.
- Follow the prompts to connect the device.

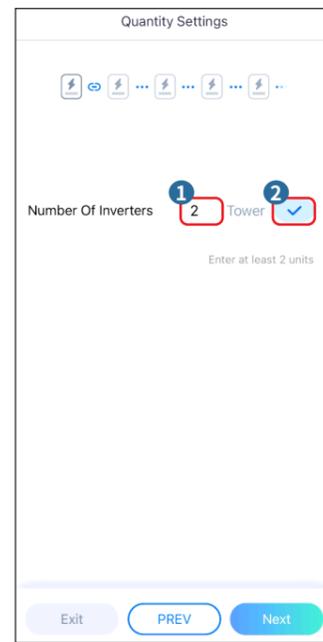
Quick Settings

Tap **Home > Settings > Quick Settings** to complete quick settings step by step.
Installer password: **goodwe2010**

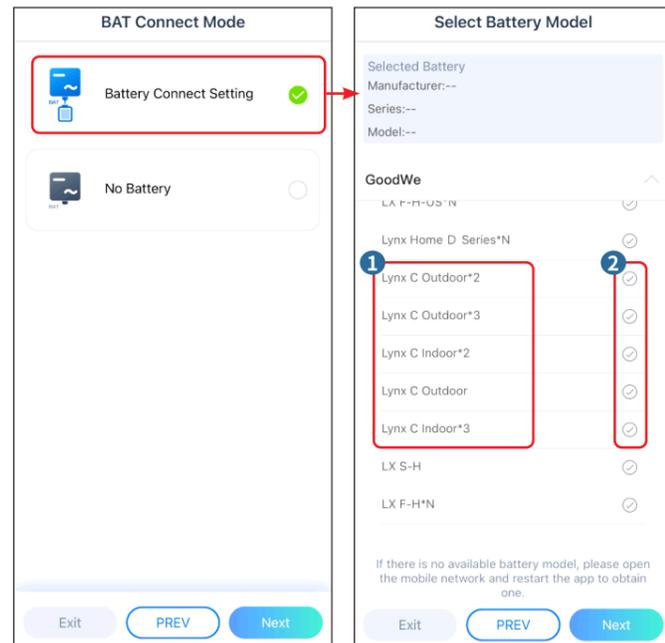
Setting the Safety Code



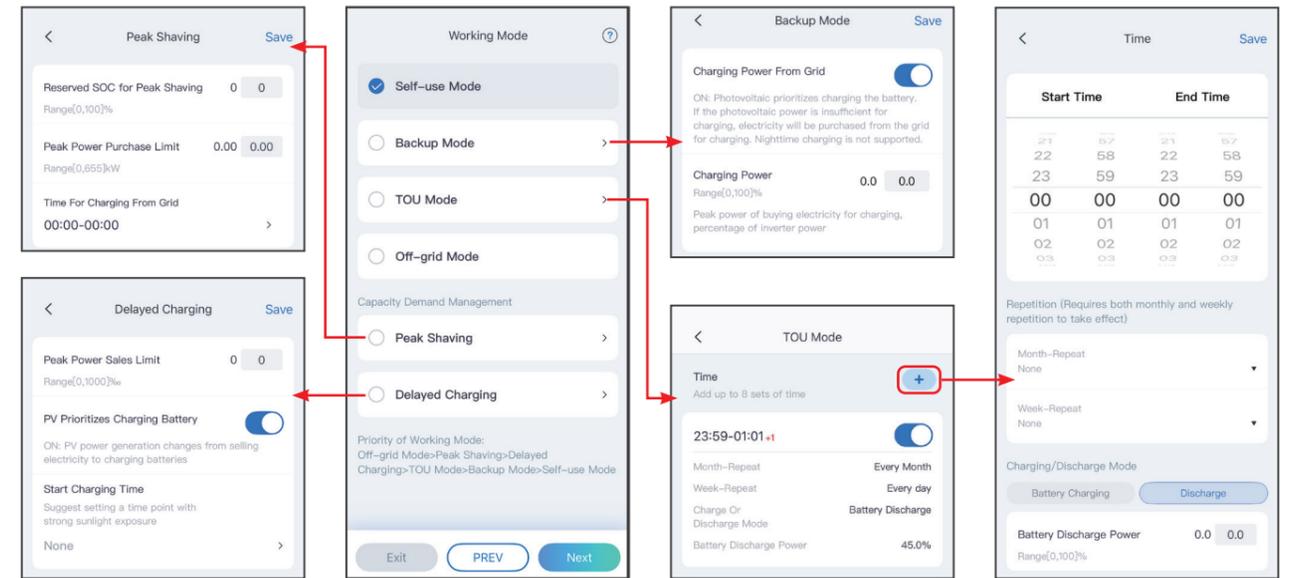
Setting Inverter Quantity (Only For Parallel Connections)



Setting the BAT Connect Mode

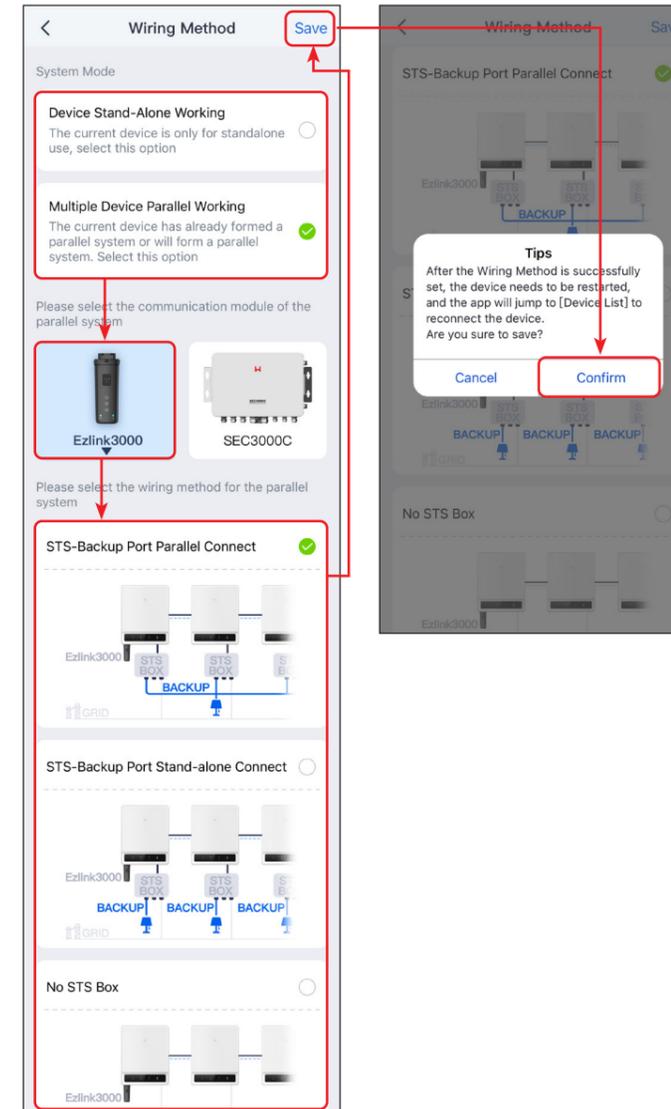


Setting the Working Mode



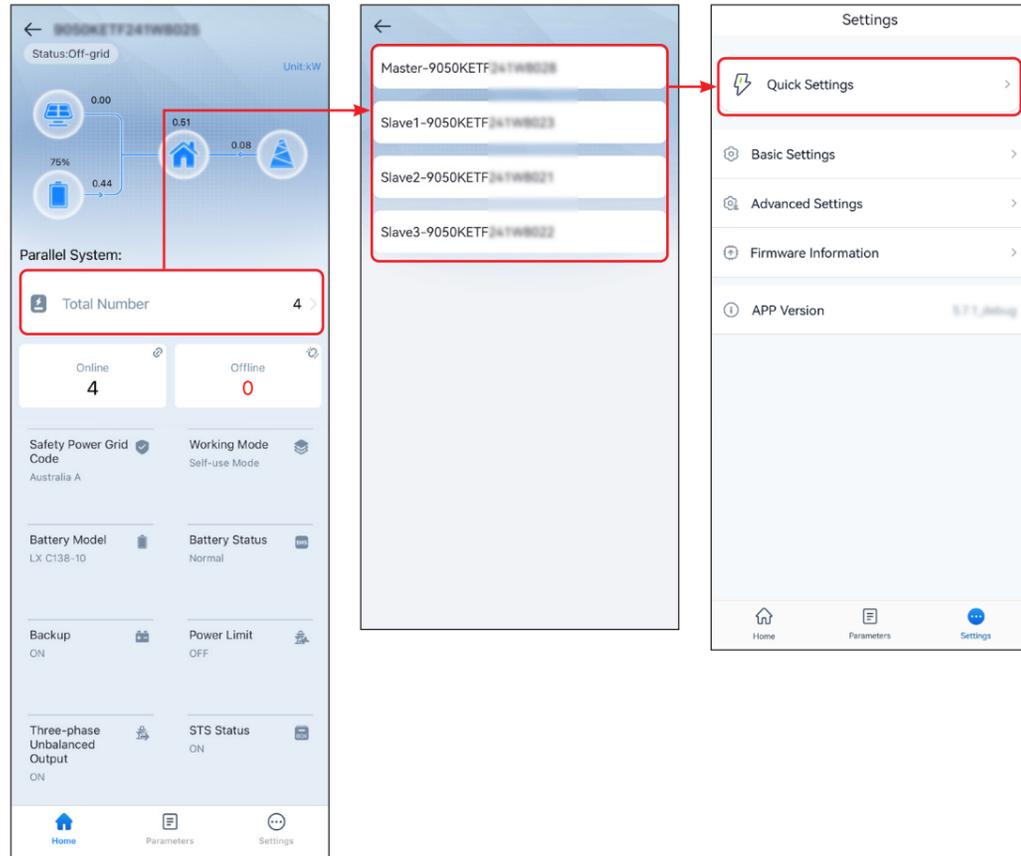
Setting Wiring Method

Do not set the Wiring Method if the inverter is installed for the first time and only one inverter is applied. Log in SolarGo app and tap **Home > Settings > Wiring Method** to set the wiring method.



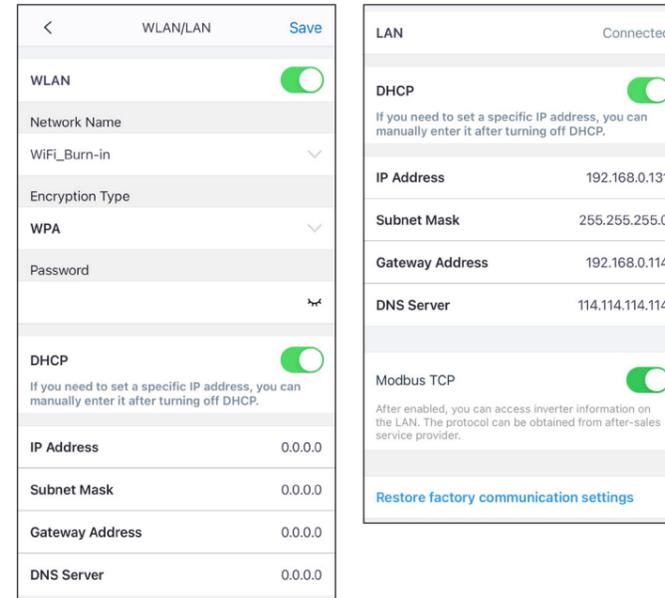
Setting Batteries Of Each Inverters (Only For Parallel Connections)

Open SolarGo App. Follow the prompts to set the battery model and connection mode of each inverter.



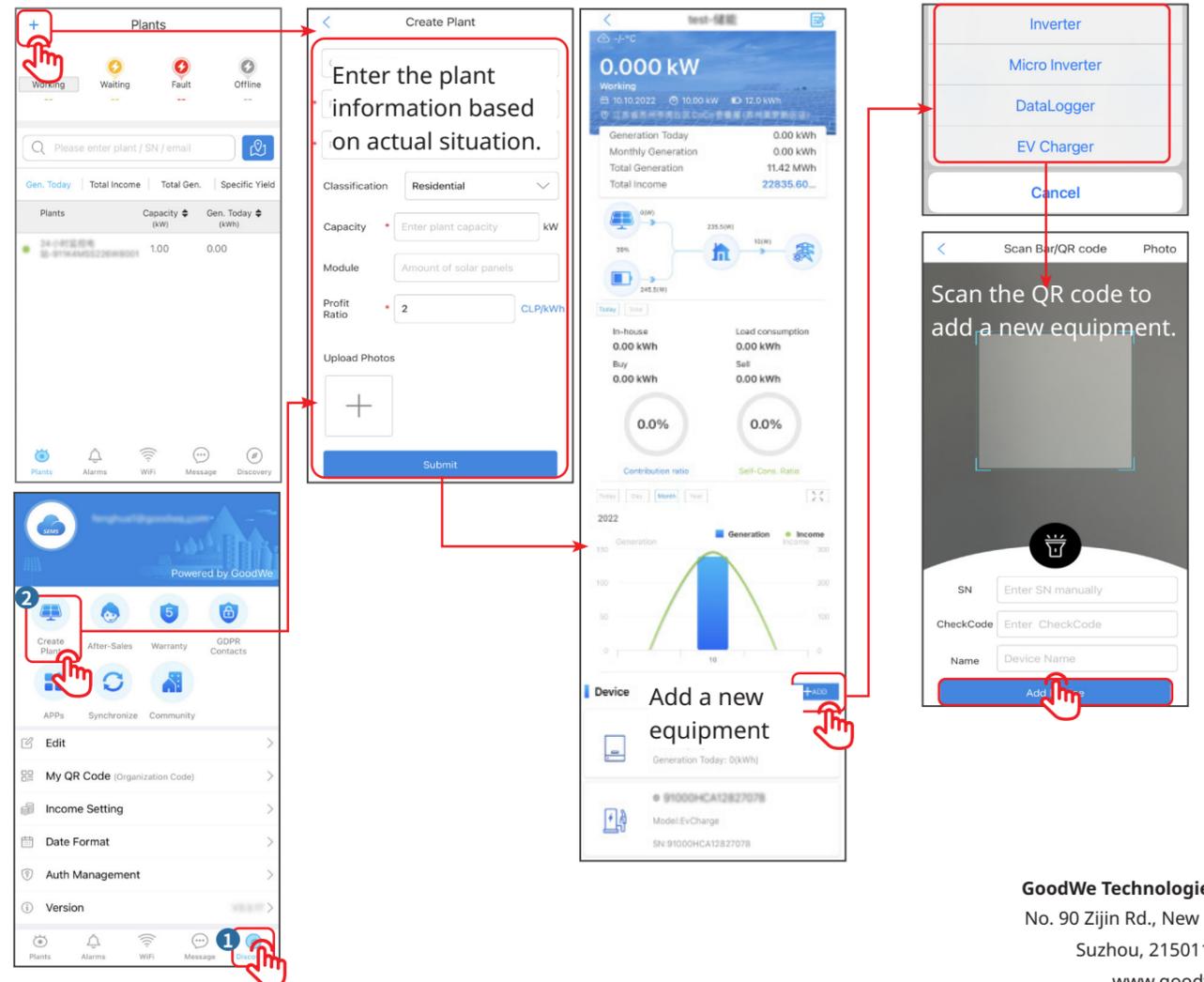
Configuring the Network

Tap Home > Settings > Communication Setting to set network parameters.



Creating a Power Plant

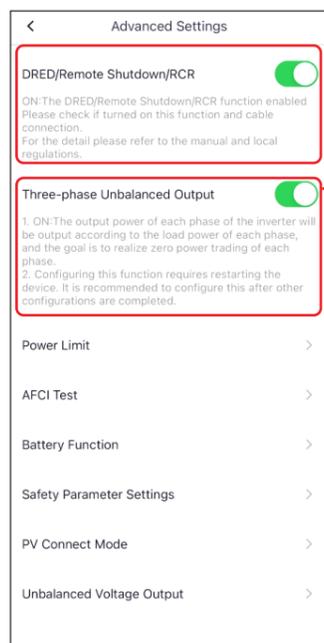
Create power plants and add equipments via SEMS Portal app.



Setting Advanced Parameters

Tap Home > Settings > Advanced Settings to set the following functions.

Setting DRED/Remote Shutdown/RCR or Three-phase Unbalanced Output Function (Optional)



Enable Three-phase Unbalanced Output when the utility grid company adopts phase separate billing.

Setting the Power Limit Function

