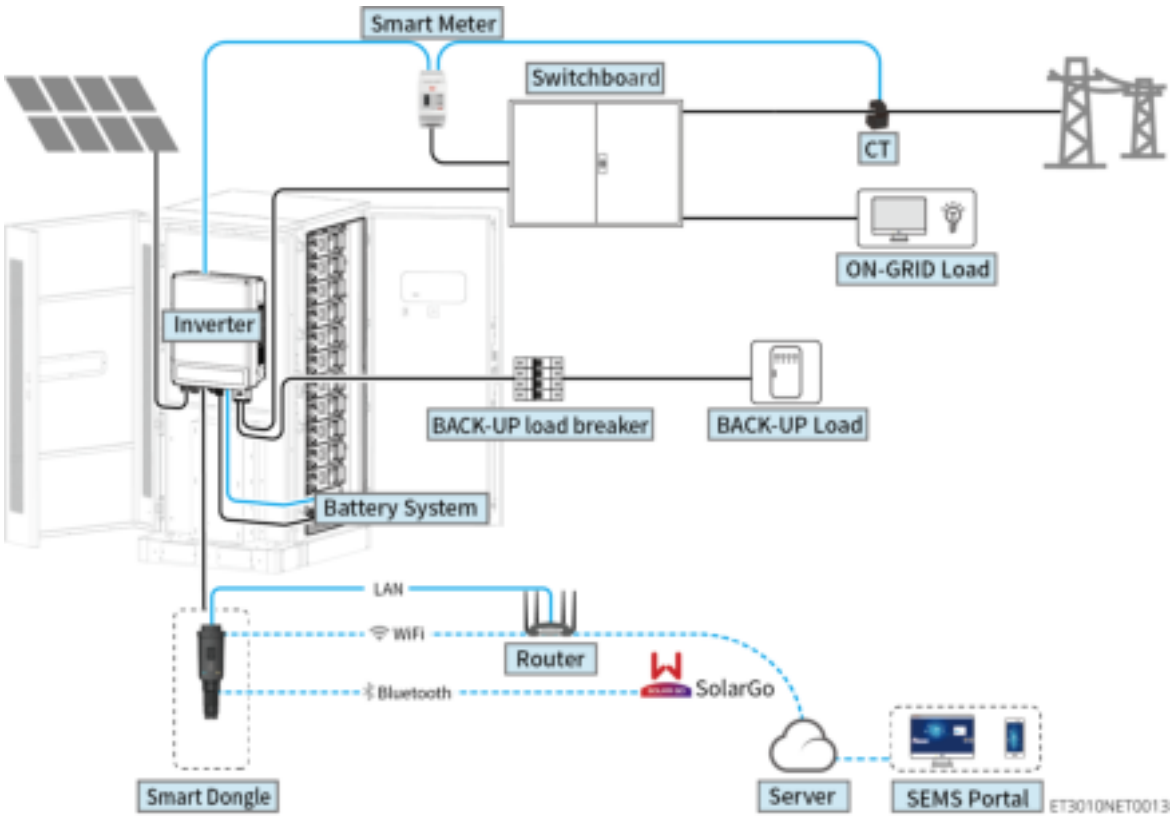


⚠️ WARNING

The information in this user manual is subject to change due to product updates or other reasons. This guide cannot replace the product labels or the safety precautions in the user manual unless otherwise specified. All descriptions in the manual are for guidance only.

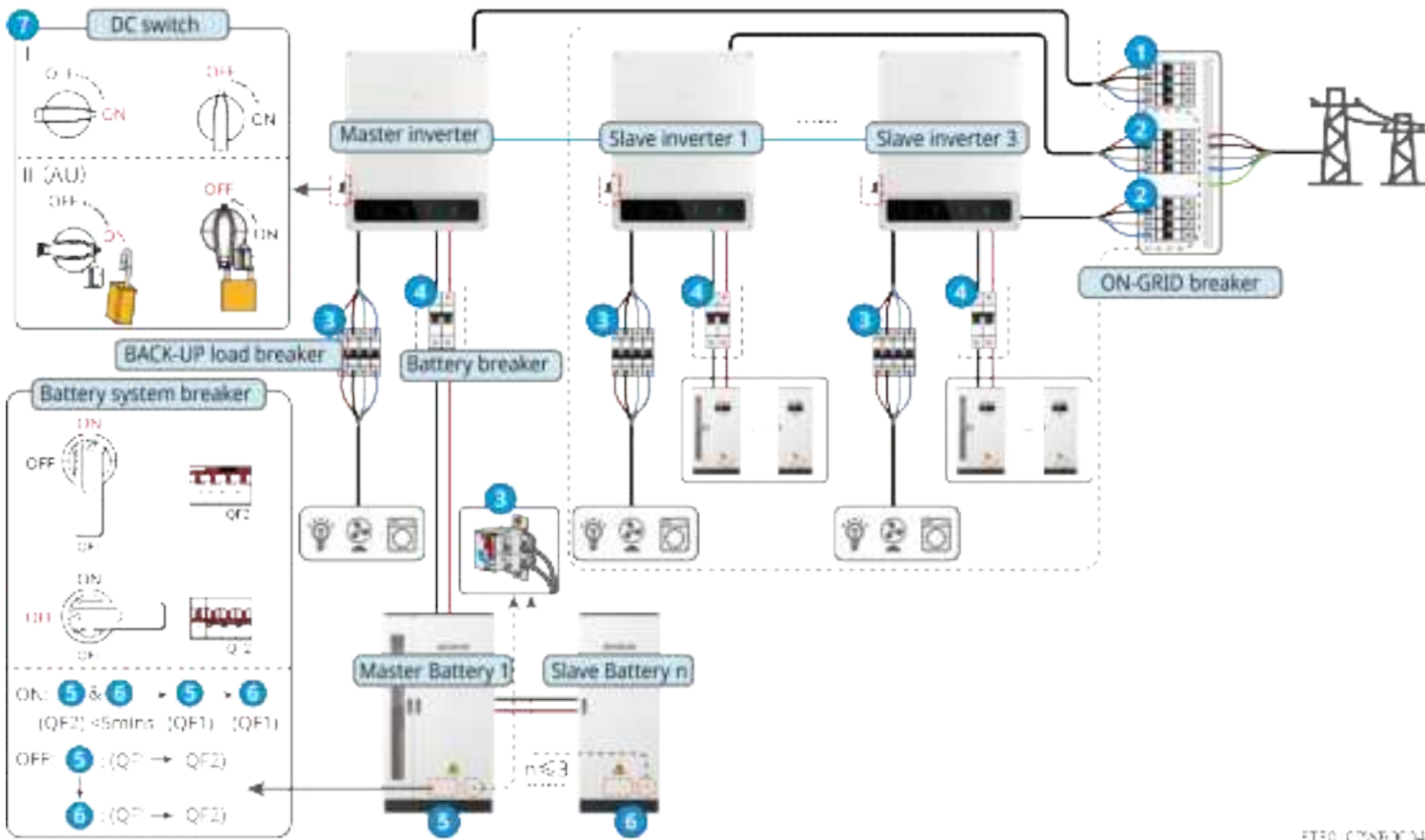
01 Networking



| Product Type   | Model                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inverter       | GW15K-ET<br>GW20K-ET<br>GW25K-ET<br>GW29.9K-ET<br>GW30K-ET           | A maximum of 4 inverters can be connected in a parallel system. Inverter firmware requirements for parallel connections: <ul style="list-style-type: none"><li>Consistent firmware version</li><li>ARM version: 08(401) or above</li><li>DSP version: 07(7068) or above</li></ul>                                                                                                                      |
| Battery system | GW60KWH-D-10<br>GW60KWH-D-10(Extension)                              | A maximum of 3 battery systems can be clustered in a system.                                                                                                                                                                                                                                                                                                                                           |
| Smart meter    | <ul style="list-style-type: none"><li>GM3000</li><li>GM330</li></ul> | <ul style="list-style-type: none"><li>GM3000: GM3000 and the CT, which cannot be replaced, are included in the inverter package. CT ratio: 120A/40mA.</li><li>GM330: Order the CT for GM330 from GoodWe or other suppliers. CT ratio: nA/5A.<ul style="list-style-type: none"><li>nA: CT primary input current, n ranges from 200 to 5000.</li><li>5A: CT Secondary input current.</li></ul></li></ul> |

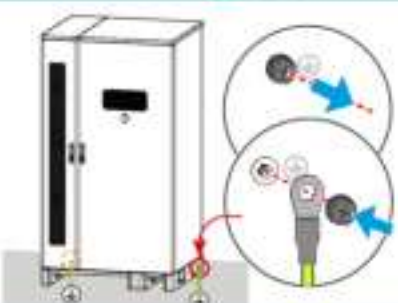
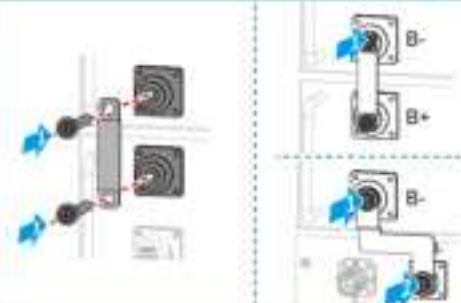
| Product Type | Model                                                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smart dongle | <ul style="list-style-type: none"><li>WiFi/LAN Kit-20</li><li>Wi-Fi Kit</li><li>Ezlink3000</li></ul> | <ul style="list-style-type: none"><li>Use WiFi/LAN Kit-20 or Wi-Fi kit for a single inverter. Upgrade the firmware of the inverter before replacing the Wi-Fi kit with a WiFi/LAN Kit-20 dongle.</li><li>In parallel scenarios, the EzLink3000 must be connected to the master inverter. Do not connect any communication module to the slave inverters. The firmware version of EzLink should be 04 or above.</li></ul> |

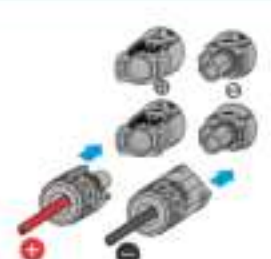
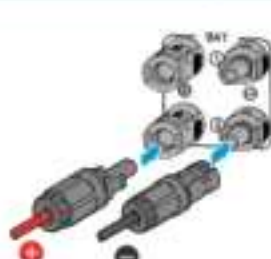
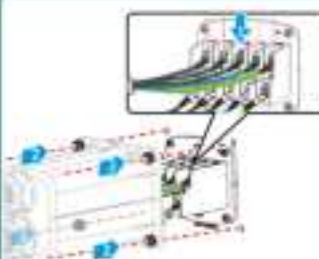
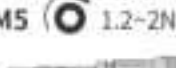
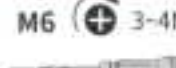
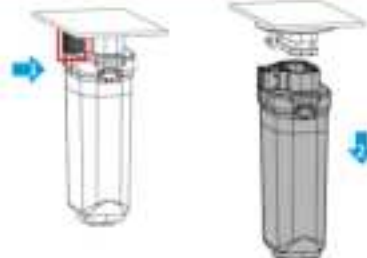
02 Power On/Off

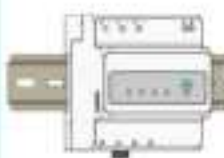
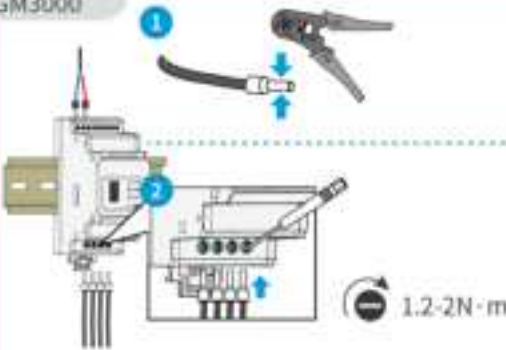
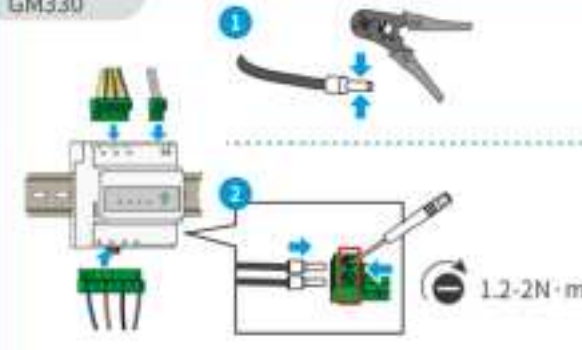
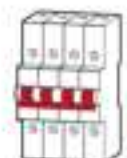


- Power ON/OFF:
- 1 → 2 → 3 → 4 → 5 → 6 → 7
- ④ : Optional in compliance with local laws and regulations.

## 03 Installations

| Steps   | 1 Installation                                                                                                                                                                                                                         | 2 PE                                                                                                 | 3 Battery                                                                                                                                                                                                                                        | 4 COM                                                                                                                                                |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Battery |                                                                                                                                                       |                    |                                                                                                                                                               |                                                                   |
| Tools   | <p>1  D: 80mm<br/>φ: 14mm</p> <p>2  M12 <math>\odot</math> 50N·m</p> |  M5 $\odot$ 4.5N·m | <p>1  M6 <math>\odot</math> 6N·m</p> <p>2  M8 <math>\odot</math> 10N·m</p> | <p>Recommend: YQK-70</p> <p>2  M5 <math>\odot</math> 4.5-6N·m</p> |

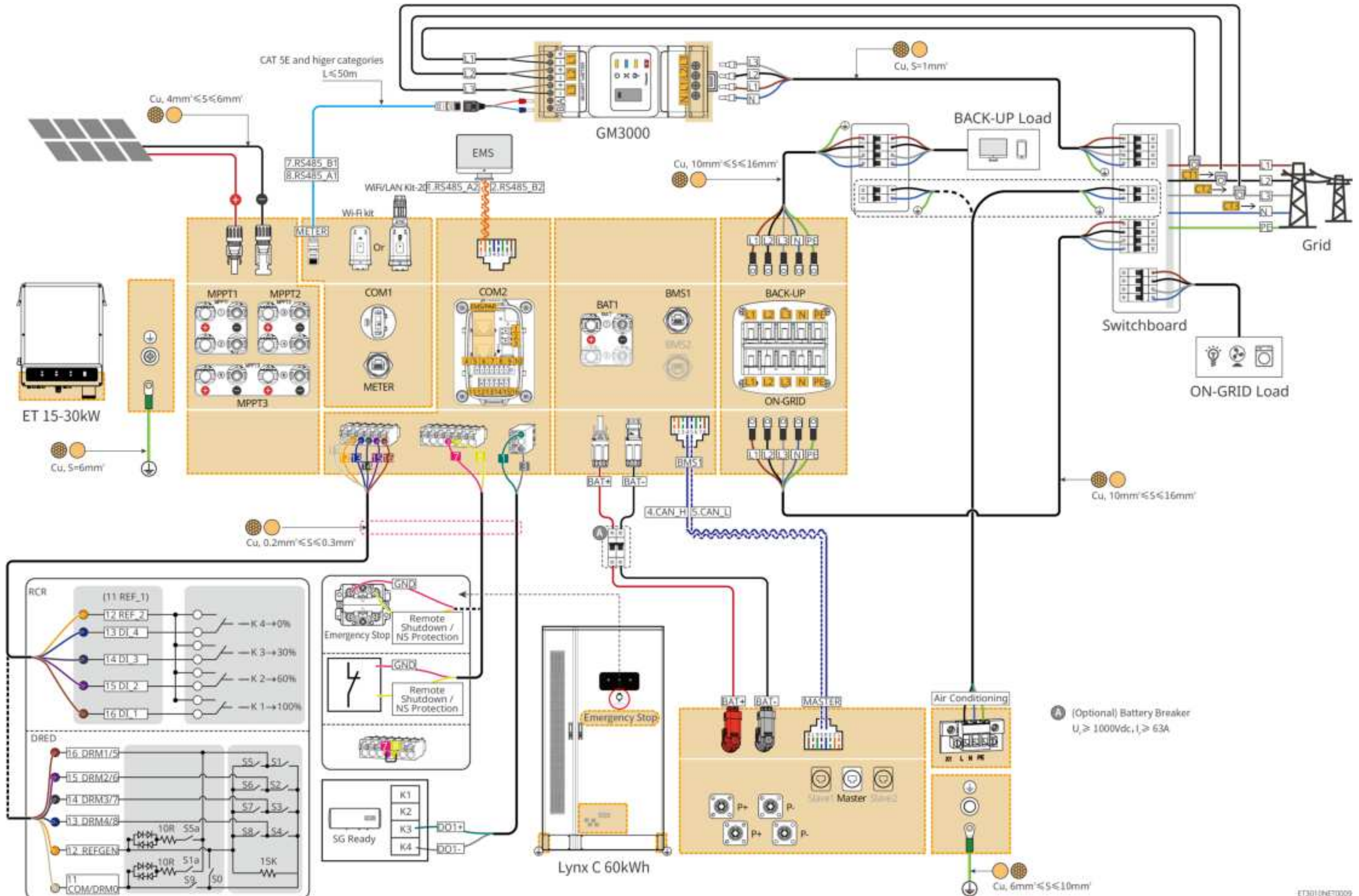
| Steps    | 1 Installation                                                                                                                                                                                                                                        | 2 PE                                                                                                    | 3 PV                                                                                                                | 4 Battery                                                                                                    | 5 AC                                                                                                                                                                                                                                                    | 6 COM                                                                                                                                                                                                                  | 7 Communication module                                                                |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Inverter |                                                                                                                                                                     |                       |                                  |                          |                                                                                                                                                                     |                                                                                                                                    | <div>Wi-Fi Kit</div> <div>WiFi/LAN Kit-20</div> <div>Ezlink3000</div>                 |
| Tools    | <p>1  M5 <math>\odot</math> 4.5N·m</p> <p>2  M5 <math>\odot</math> 1.2-2N·m</p> |  M5 $\odot$ 1.2-2N·m | <p>Recommend: PV-CZM-61100</p>  | <p>Recommend: VXC9</p>  | <p>1  M5 <math>\odot</math> 2-3N·m</p> <p>2  M6 <math>\odot</math> 3-4N·m</p> | <p></p> <p> M4 <math>\odot</math> 1.5N·m</p> |  |

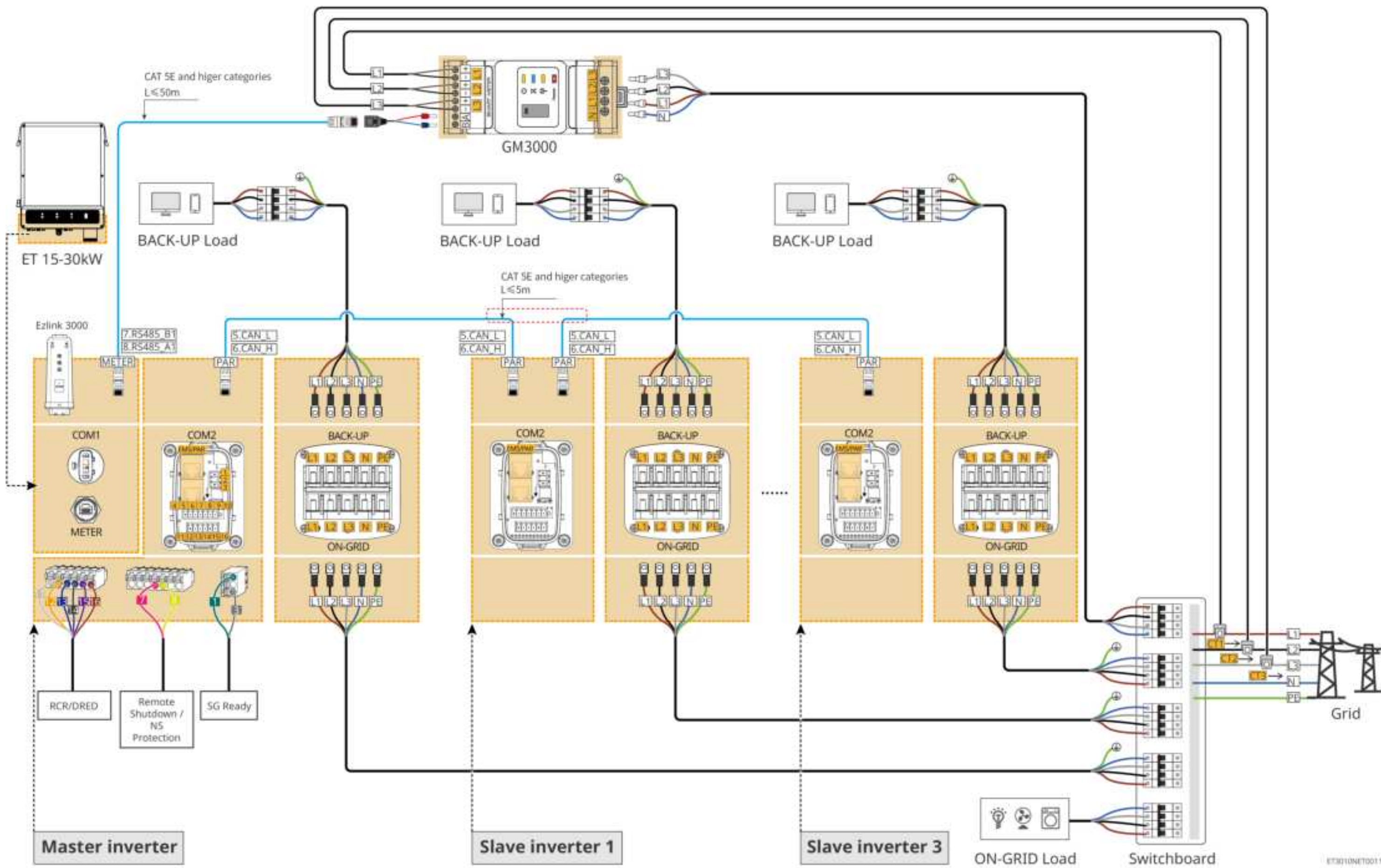
| Steps       | 1 Installation                                                                      |                                                                                     | 2 Cable Connections                                                                  |                                                                                       | 3 Power                                                                                             | 4 Commissioning                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                             |
|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Smart meter | GM3000                                                                              | GM330                                                                               | GM3000                                                                               | GM330                                                                                 |                                                                                                     |                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                             |
|             |  |  |  |  | <br>AC breaker |  → <br>SolarGo APP |  →  or <br>SEMS Portal APP · SEMS Portal WEB |

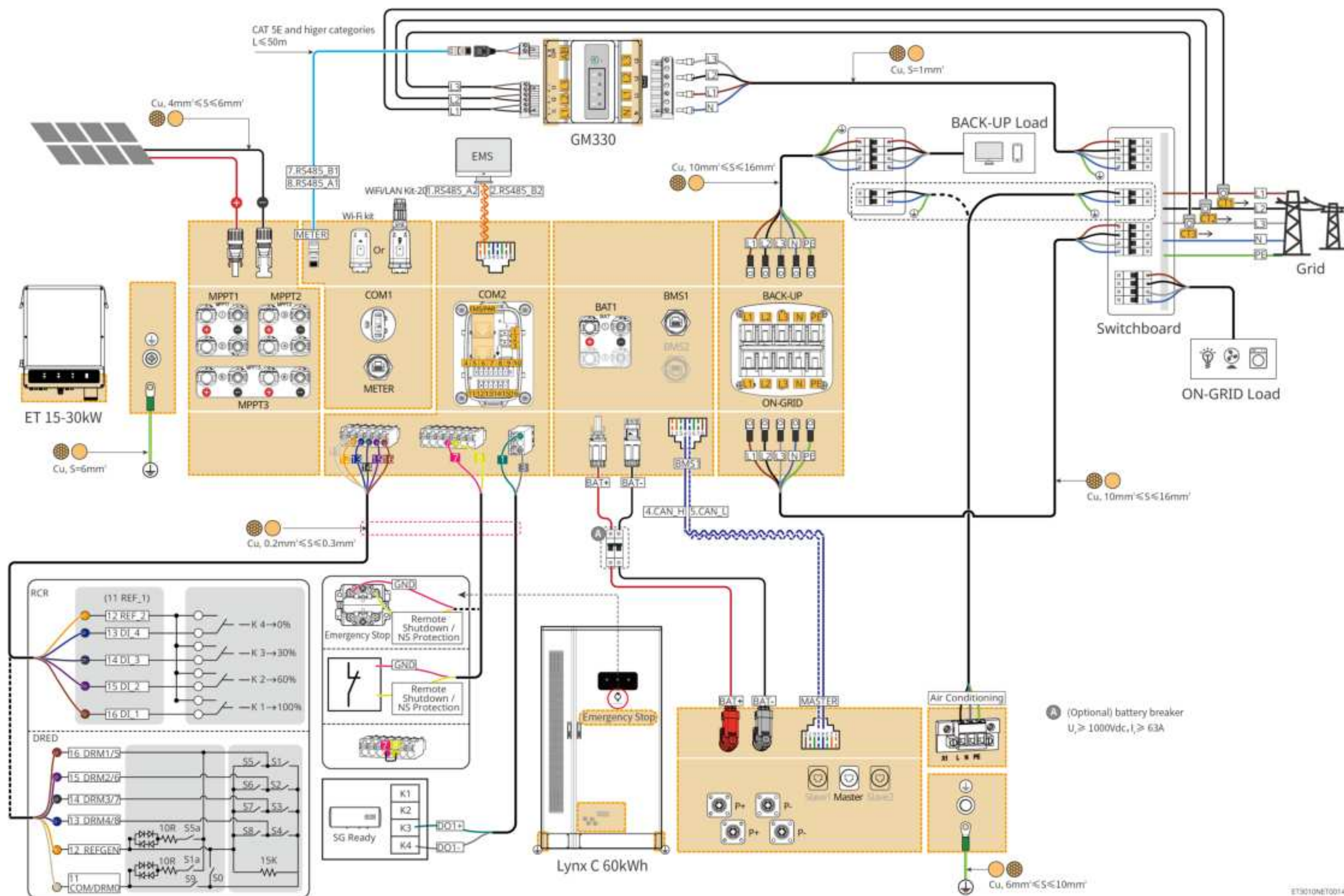
ET3010NT0003

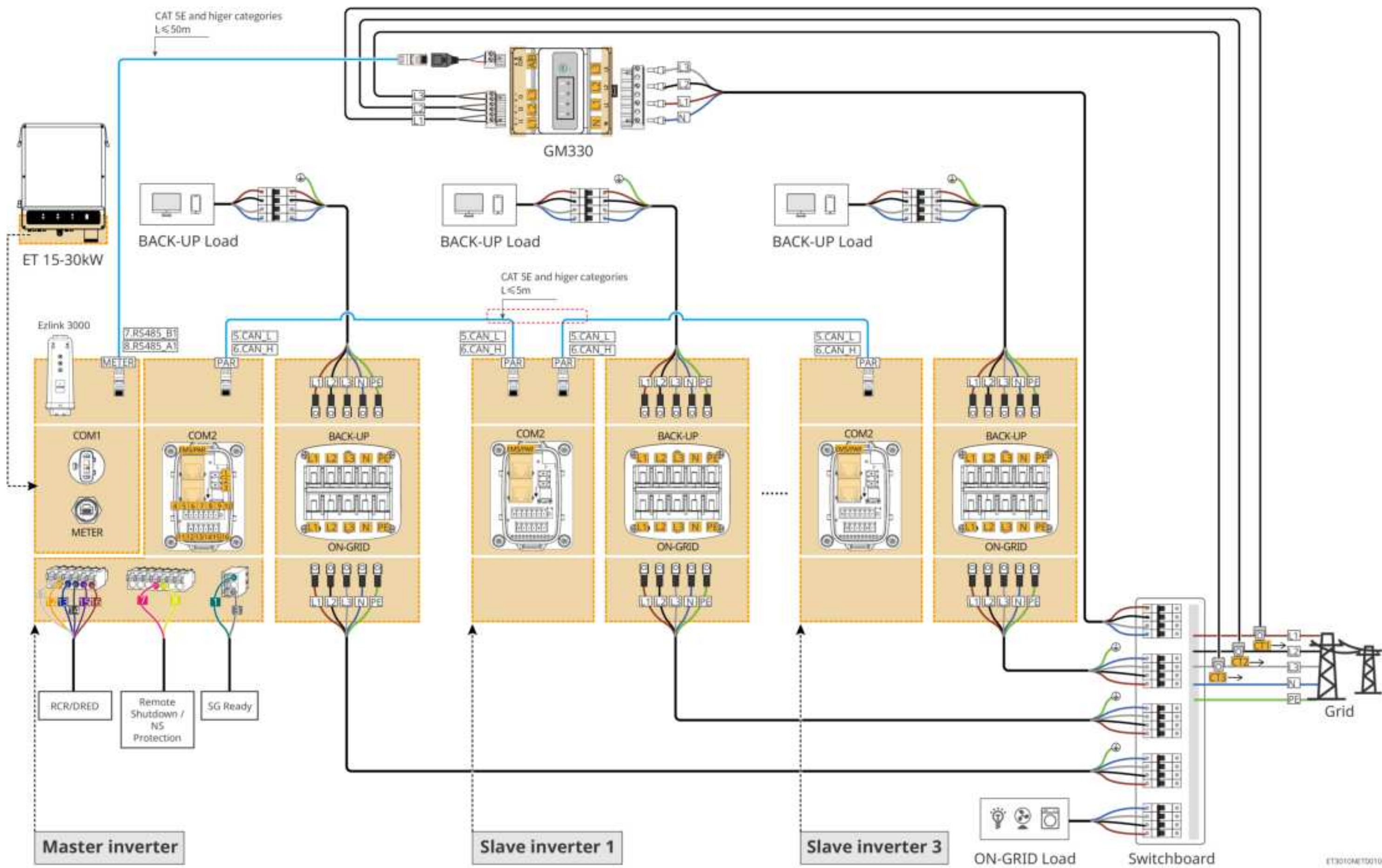
## 04 Wiring Diagram

ET 15-30kW(single) + Lynx C 60kWh + GM3000 + WiFi/LAN

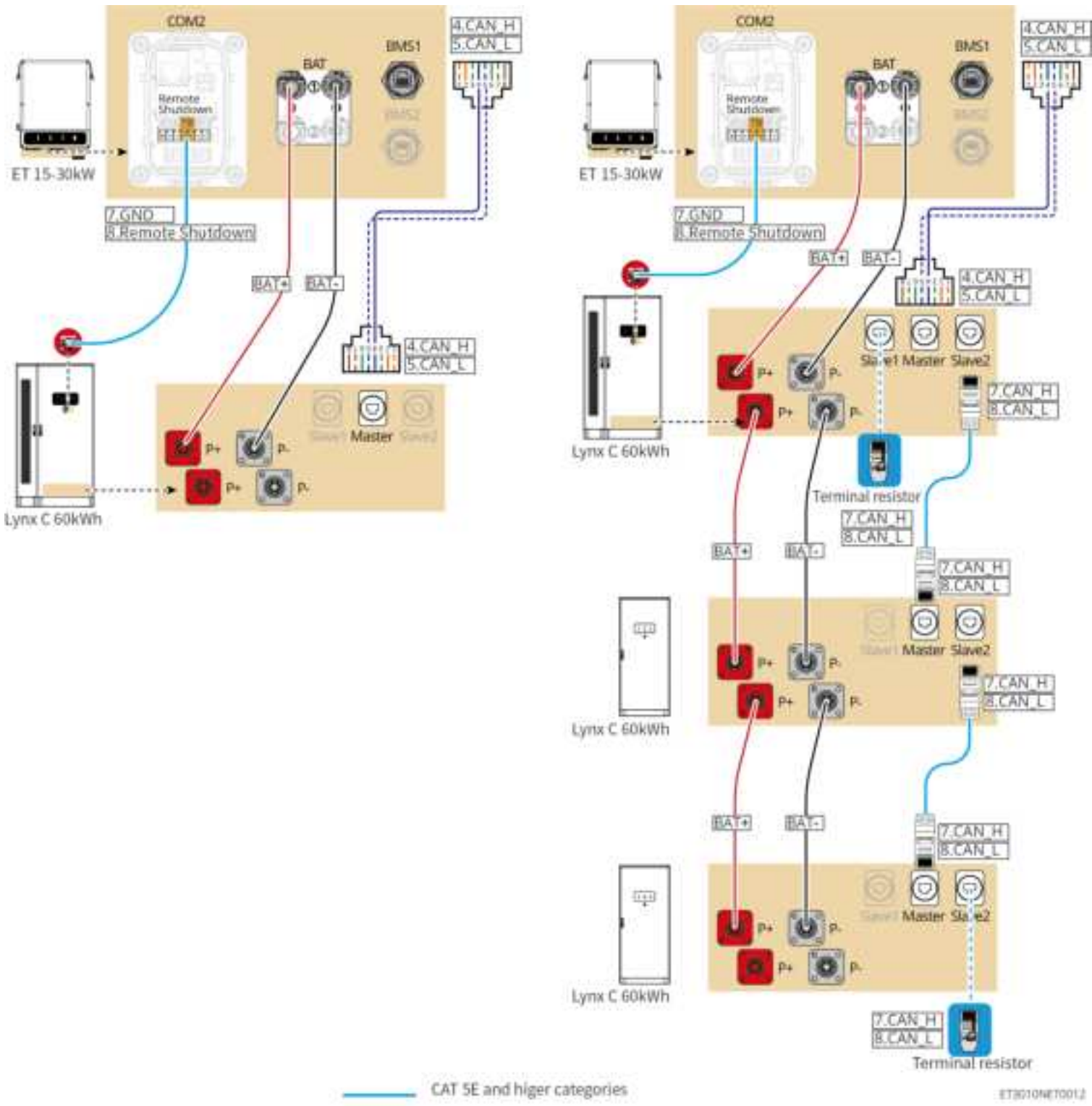








Battery system wiring diagram



05 Equipment Commissioning



SolarGo app



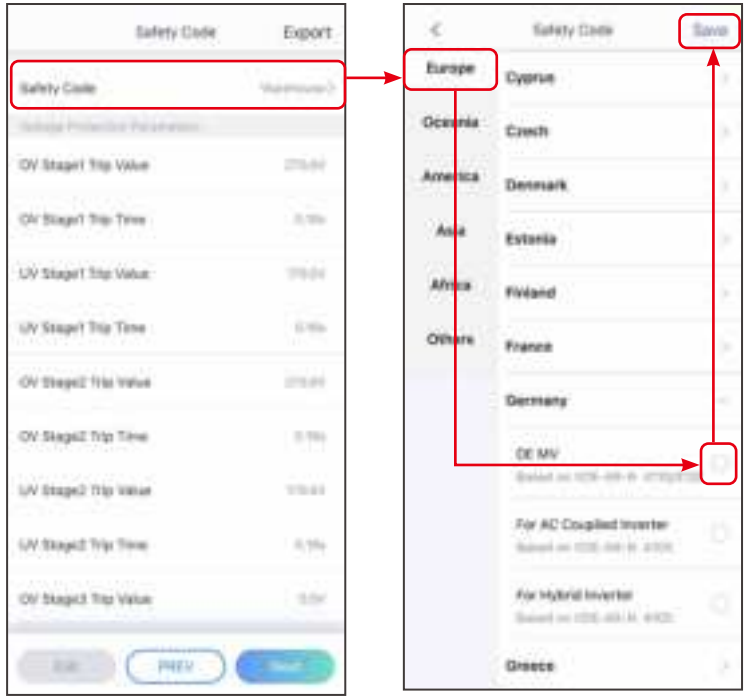
SEMS Portal APP

In parallel scenarios, the software version of SolarGo app should be 5.3.0 or above. Follow the prompts to connect the device.

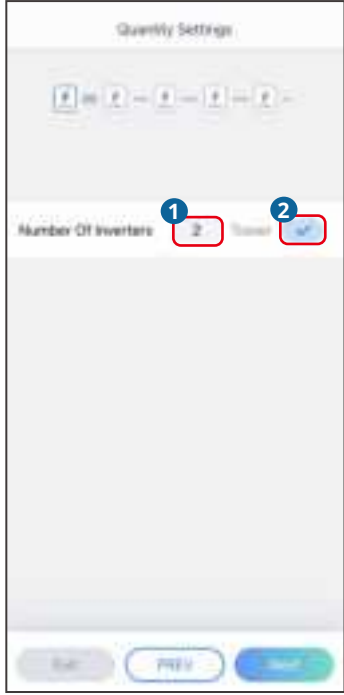
Quick Settings

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

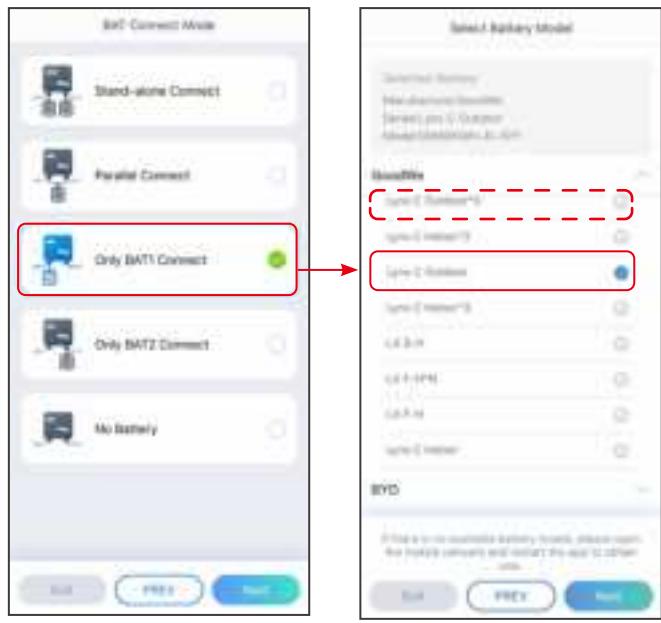
Setting the Safety Code



Setting Inverter Quantity (Only For Parallel Connections)



Setting the BAT Connect Mode



Setting the Working Mode

Start Time: 00:00

End Time: 00:00

Impact Power Level: 0.00

Reserved SOC For Peakshaving: 0.00

Self-use Mode

Peakshaving

Working mode

Self-use Mode

Peakshaving

Depth Of Discharge (On-Grid): 80

Depth Of Discharge (Off-Grid): 80

Advanced Settings

Back-up Mode

Economic Mode

Smart Charging

**Depth Of Discharge (On-Grid):**  
The maximum depth of discharge of the battery when the system is working on-grid.

**Depth Of Discharge (Off-Grid):**  
The maximum depth of discharge of the battery when the system is working off-grid.

Back-up Mode

Charging From Grid

Rated Power: 0.0

Backup 500% 80% SOC

Stop charge: Close

Charging From Grid

Economic Mode

Battery Working Mode On/Off

00:00-07:00

Charge battery in power

TIDU curve

Battery Working Mode On/Off

08:00-16:00

Export to grid in power

Smart Charging

Smart Charging Month

Peak Limiting Power: 0.0

Switch To Charge

Charging Time: 00:00

Stop to charge: Close

Smart Charging

Stop to charge: Close

Smart Charging

Stop to charge: Close

Setting Batteries Of Each Inverters (Only For Parallel Connections)

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

Master-9030KETT

Slave-9020KETT

Settings

Communication Setting

Quick Settings

Basic Settings

Advanced Settings

Load Control

Master/CT-Assisted Test

Firmware Information

APP Version

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)

DRED/Remote Shutdown/RCR

Three-phase Unbalanced Output

Backup N And PC Relay Switch

Power Limit

APC Test

Battery Function

Safety Parameter Settings

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

Setting the Power Limit Function

Power Limit

Export Power (kW): 0 0

External CT Ratio: 0 400

Power Limit

APC Test

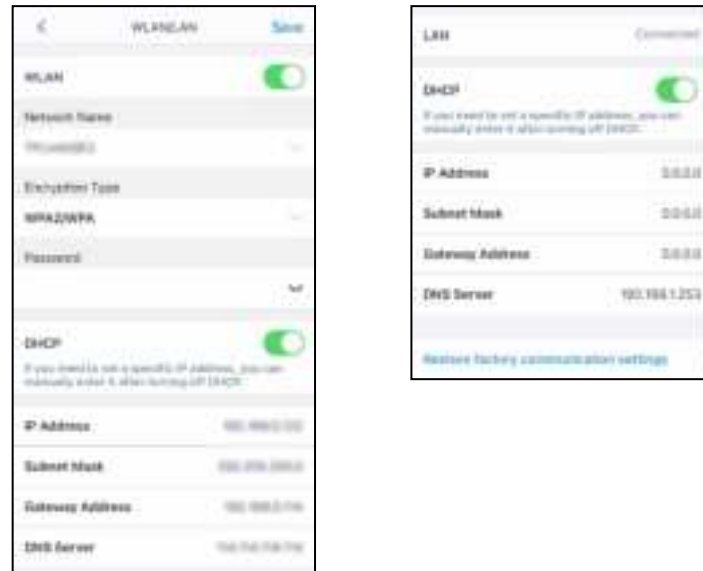
Battery Function

Safety Parameter Settings

8

## Configuring the Network

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

**WiFi/LAN Kit-20, Wi-Fi or Ezlink3000**

## Creating a Power Plant

Create power plants and add equipments via SEMS Portal app.

