GOODWE

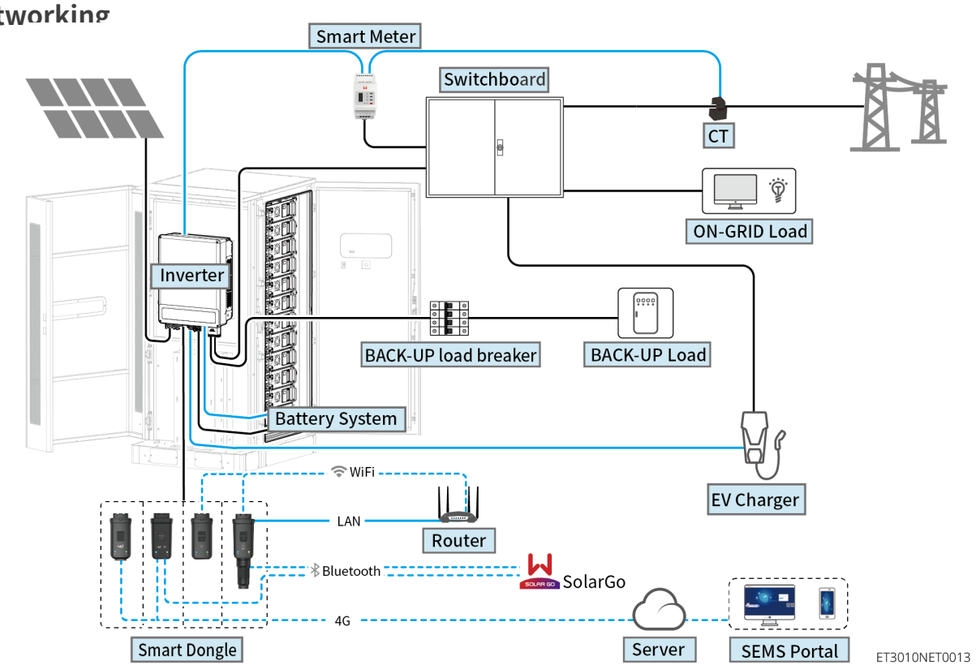
# ET 15.0-30.0kW Commercial & Industrial Smart Inverter Solutions Guide

V1.5-2025-07-22

**⚠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.

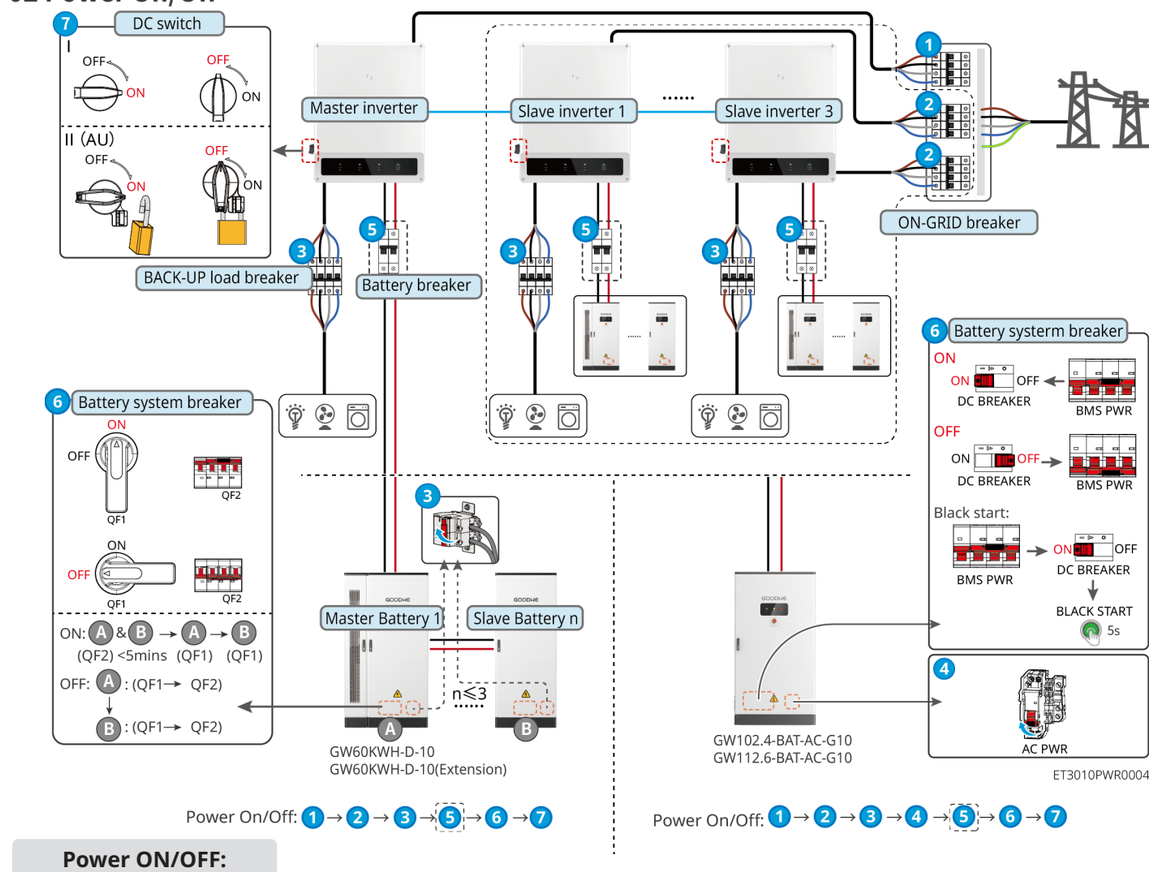
## 01 Networking




| 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:<br>• Consistent firmware version<br>• ARM version: 08(401) or above<br>• DSP version: 07(7068) or above |
| Battery system | GW60KWH-D-10<br>GW60KWH-D-10(Extension) | A maximum of 3 battery systems can be clustered in a system. |
| | GW102.4-BAT-AC-G10<br>GW112.6-BAT-AC-G10 | Supports single cluster only<br>When paired with BATBattery, the following version requirements must be met:<br>• Inverter ARM software version is 14(440) or above<br>• Inverter DSP software version is 10 (10048) or above |

| Product Type | Model | Description |
|---|---|---|
| Smart meter | • GM3000<br>• GM330<br>• GMK330 | • GM3000: GM3000 and the CT, which cannot be replaced, are included in the inverter package. CT ratio: 120A/40mA.<br>• GM330: Order the CT for GM330 from GoodWe or other suppliers. CT ratio: nA/5A.<br>  • nA: CT primary input current, n ranges from 200 to 5000.<br>  • 5A: CT Secondary input current.<br>• GMK330: CT shipped with the meter, CT ratio:<br>  • 20A: 40mA<br>  • 200A: 50mA (Brazil only) |
| Smart dongle | • WiFi/LAN Kit-20<br>• Wi-Fi Kit<br>• Ezlink3000 | • 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.<br>• 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. |

## 02 Power On/Off




**Power ON/OFF:**

1 → 2 → 3 → 4 → 5 → 6 → 7

⑤ : Optional in compliance with local laws and regulations.

## 03 Installations

| Steps | ❶ Installation | ❷ PE | ❸ Battery | ❹ COM |
|---|---|---|---|---|
| Battery | GW60KWH-D-10<br>GW60KWH-D-10(Extension)<br>GW102.4-BAT-AC-G10<br>GW112.6-BAT-AC-G10 | GW60KWH-D-10<br>GW60KWH-D-10(Extension)<br>GW102.4-BAT-AC-G10<br>GW112.6-BAT-AC-G10 | GW60KWH-D-10<br>GW60KWH-D-10(Extension)<br>GW102.4-BAT-AC-G10<br>GW112.6-BAT-AC-G10 | GW60KWH-D-10<br>GW60KWH-D-10(Extension)<br>GW102.4-BAT-AC-G10<br>GW112.6-BAT-AC-G10 |
| Tools | 1 D: 80mm Φ: 14mm<br>2 M12 50N·m | M5 4.5N·m<br>M5 4N·m | 1 M6 6N·m<br>2 M8 10N·m<br>Recommend: YQK-70<br>2 M5 4.5-6N·m | Crimping tool |

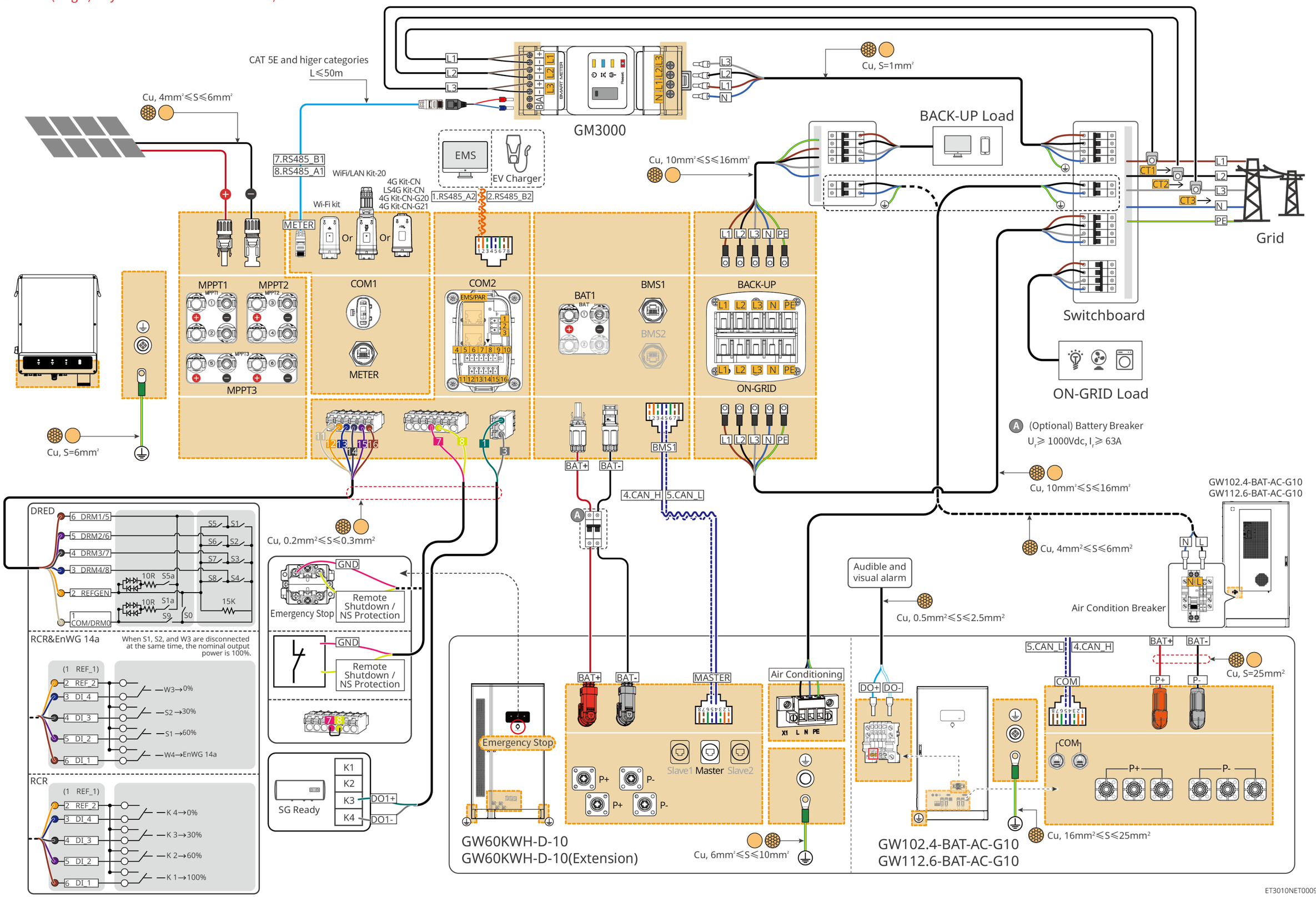
| Steps | ❶ Installation | ❷ PE | ❸ PV | ❹ Battery | ❺ AC | ❻ COM | ❼ Communication module |
|---|---|---|---|---|---|---|---|
| Inverter | | | | | | | Wi-Fi Kit<br>WiFi/LAN Kit-20<br>Ezlink3000 |
| Tools | 1 M5 4.5N·m<br>2 M5 1.2~2N·m | M5 1.2~2N·m | Recommend: PV-CZM-61100 | Recommend: VXC9 | 1 M5 2~3N·m<br>2 M6 3~4N·m | M4 1.5N·m | 4G Kit-CN<br>LS4G Kit-CN<br>4G Kit-CN-G20<br>4G Kit-CN-G21 |

| Steps | ❶ Installation | ❷ Cable Connections | ❸ Power | ❹ Commissioning |
|---|---|---|---|---|
| Smart meter | GM3000<br>GM330/GMK330<br>GM330: CT×0<br>GMK330: CT×3 | GM3000<br>GMK330<br>GM330<br>1.2-2N·m | AC breaker | SolarGo APP<br>SEMS Portal APP or SEMS Portal WEB |

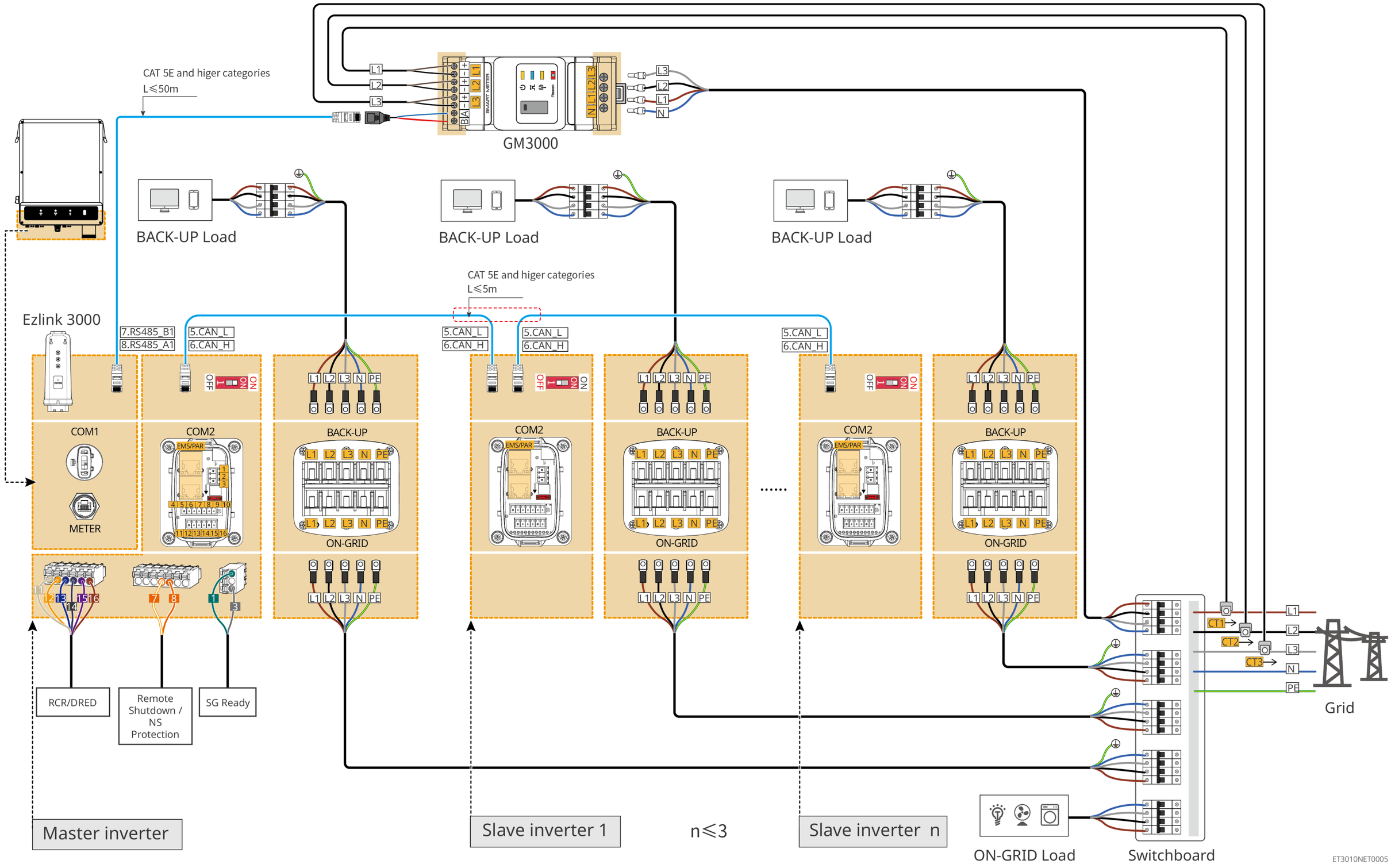
ET3010INT0005

## 04 Wiring Diagram

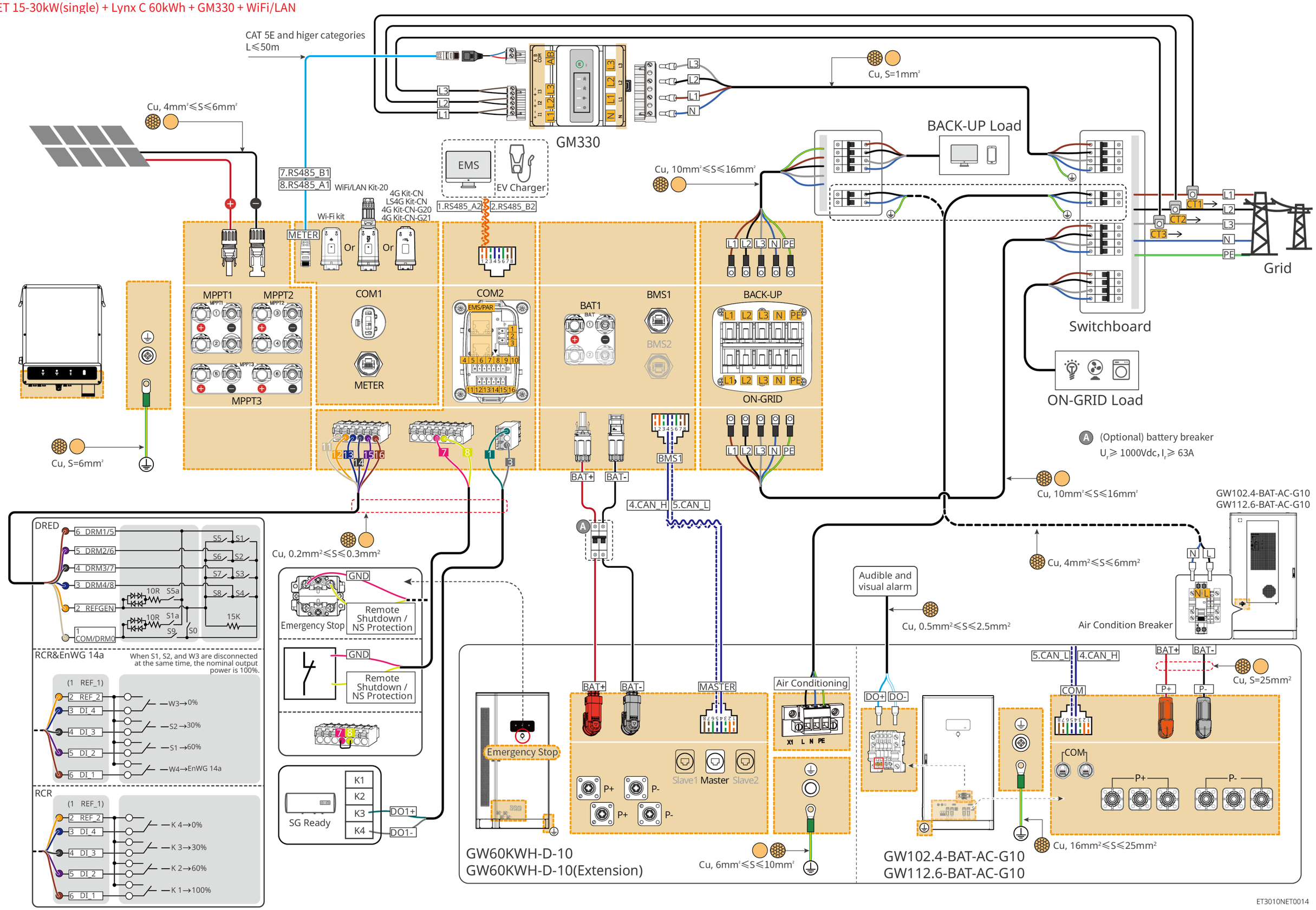
ET 15-30kW(single) + Lynx C 60kWh + GM3000 + WiFi/LAN



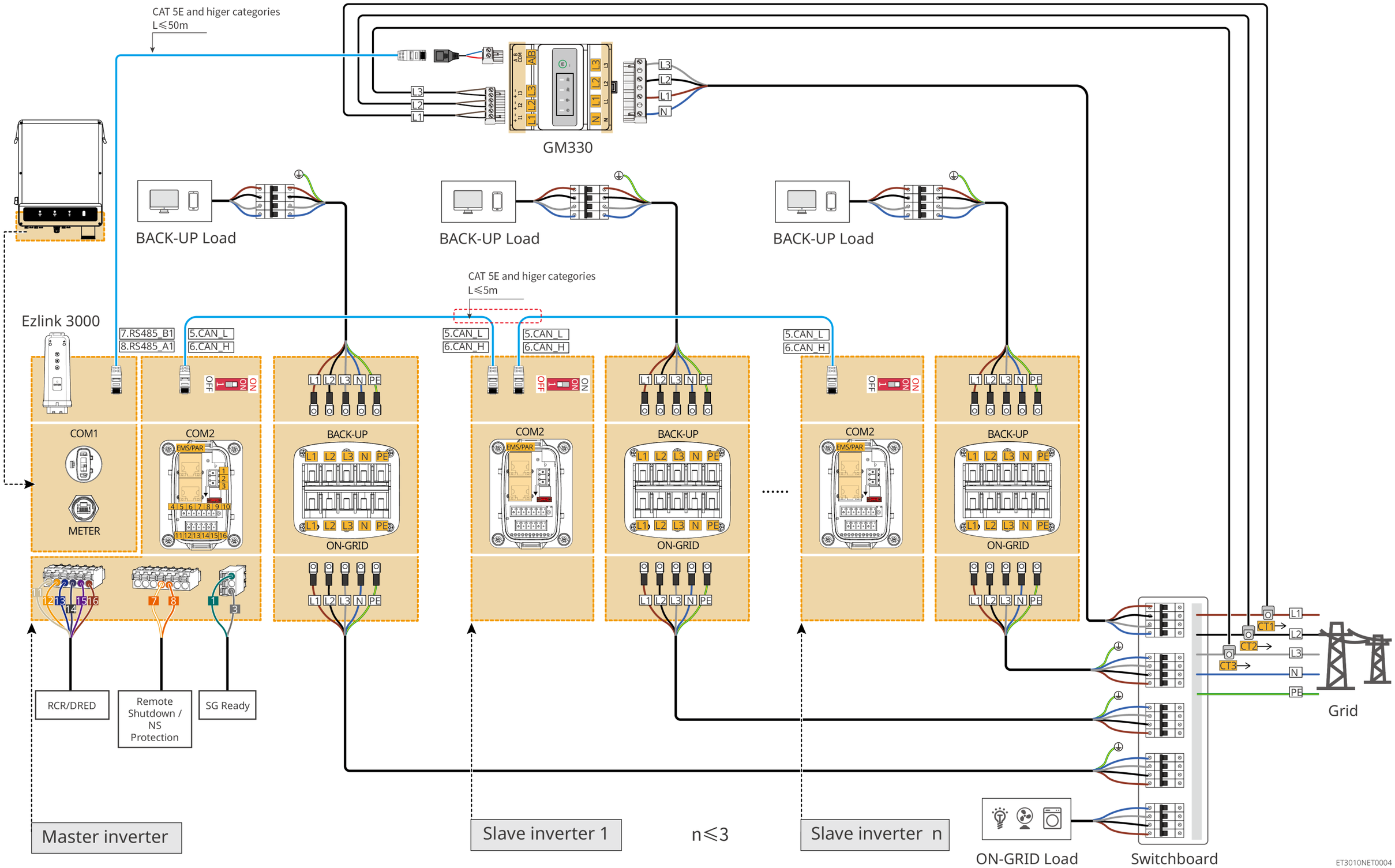
ET 15-30kW(parallel connected) + GM3000 + Ezlink3000



ET 15-30kW(single) + Lynx C 60kWh + GM330 + WiFi/LAN



ET 15-30kW(parallel connected) + GM330 + Ezlink3000

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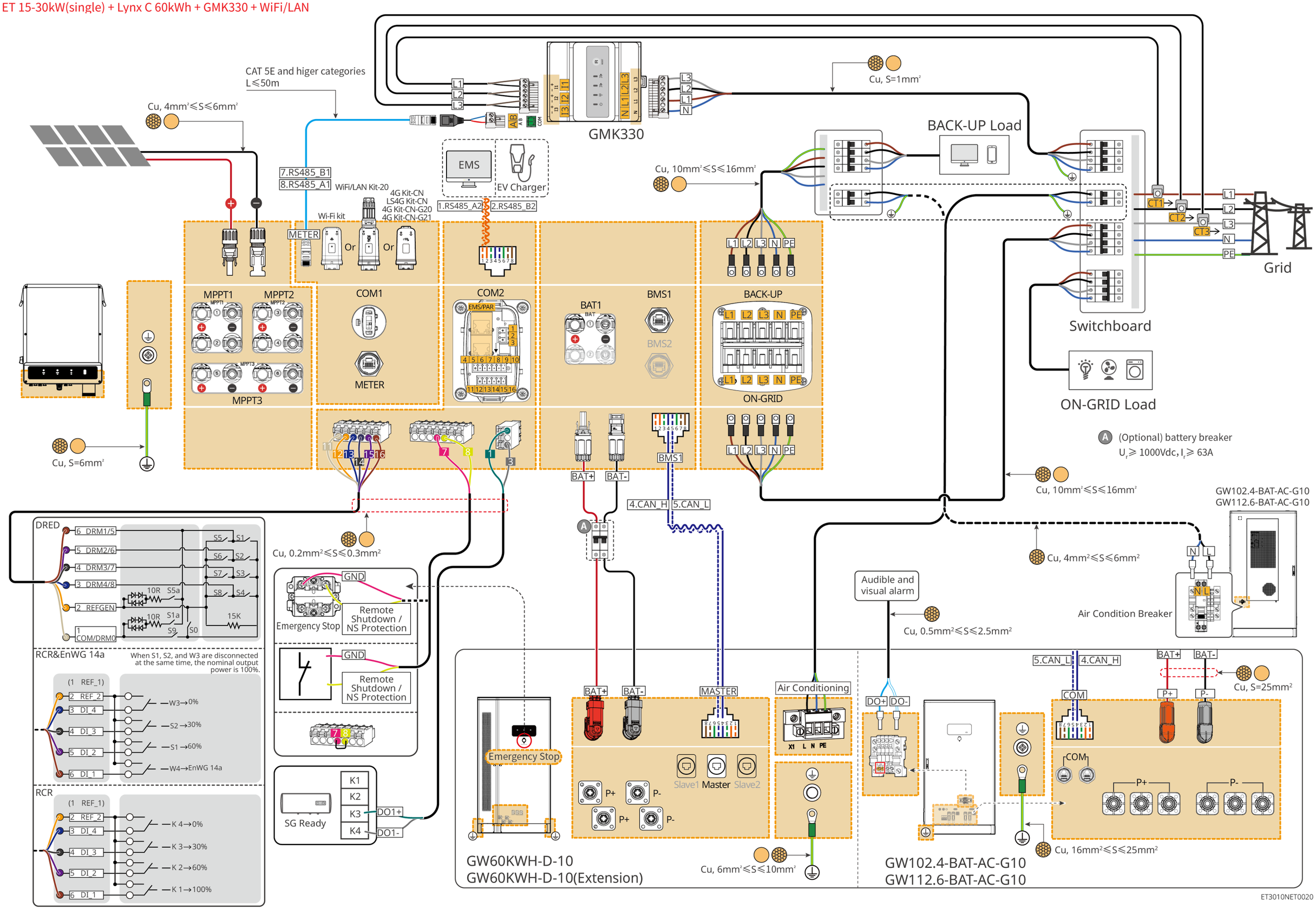
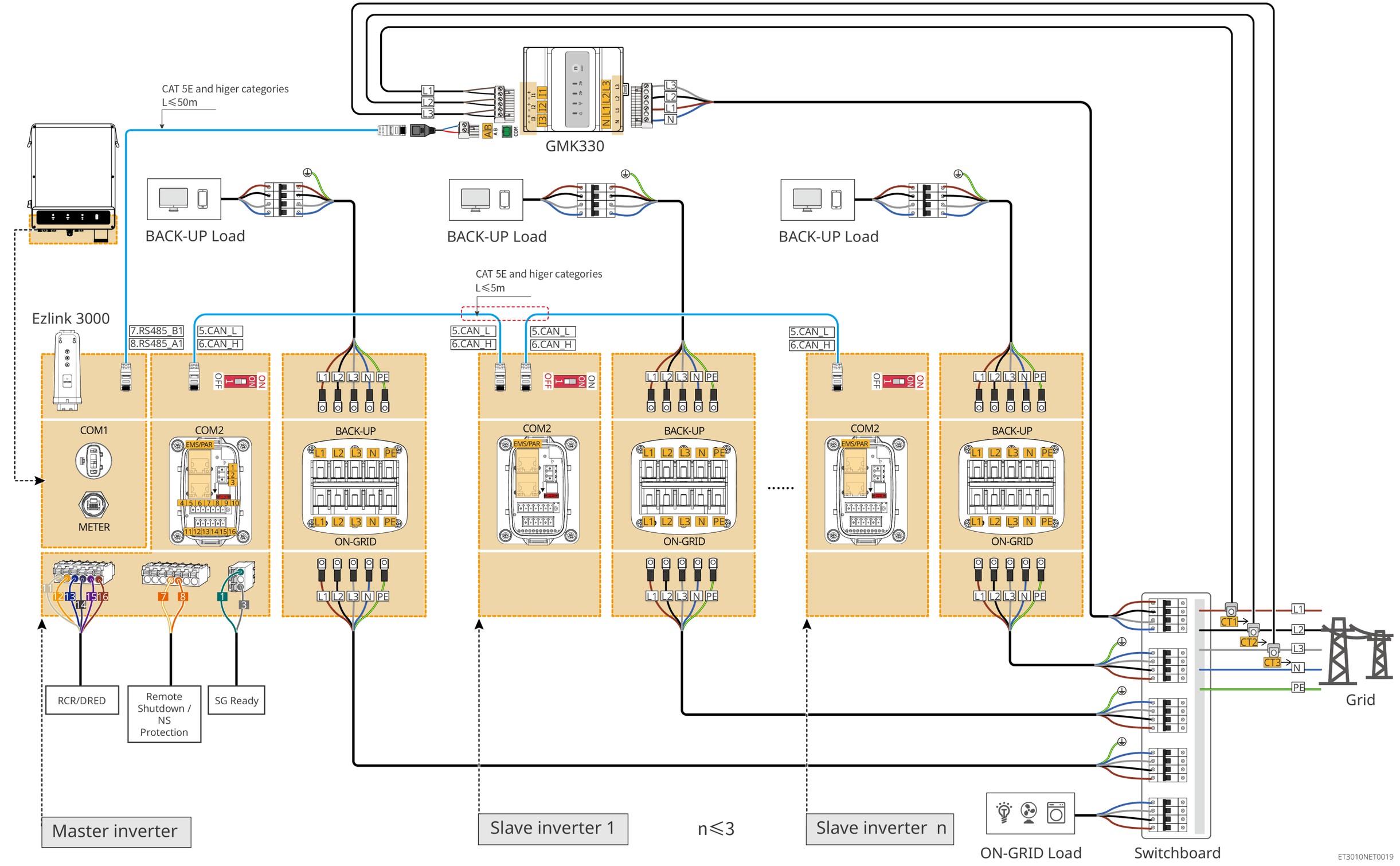
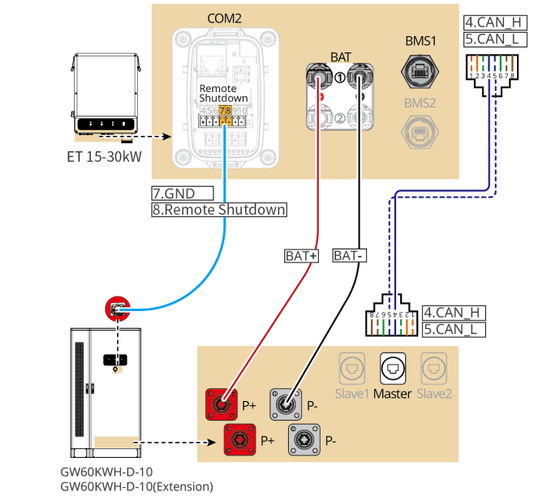
ET 15-30kW(single) + Lynx C 60kWh + GMK330 + WiFi/LAN

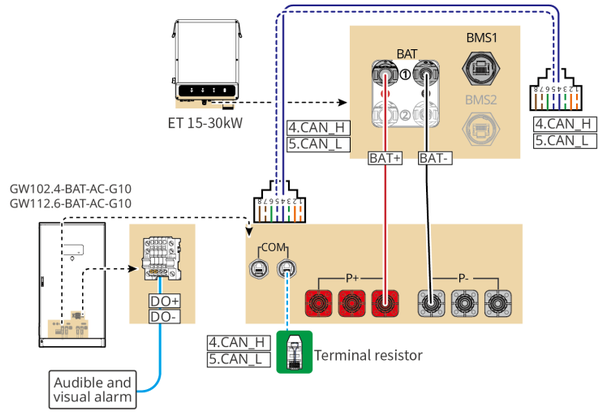


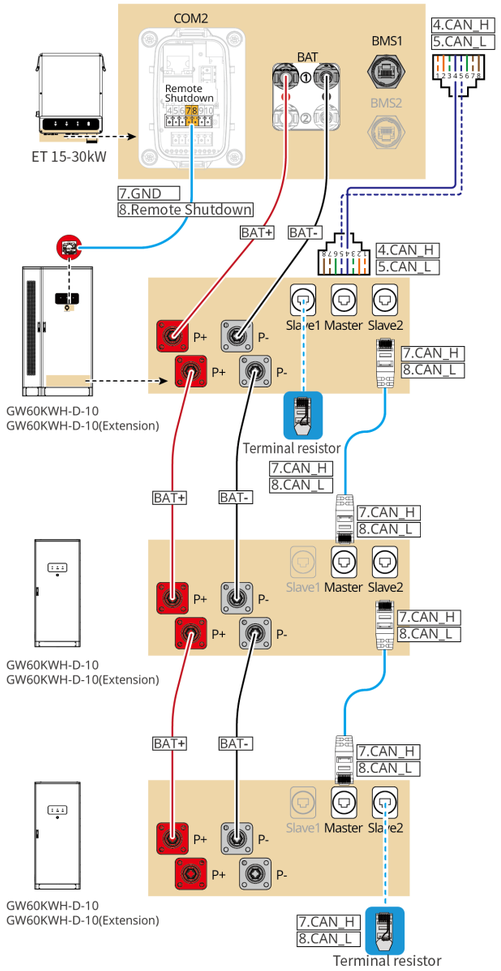
ET 15-30kW(parallel connected) + GMK330 + Ezlink3000



## Battery system wiring diagram




CAT 5E and higer categories

ET3010NET0012

## 05 Equipment Commissioning

SolarGo app

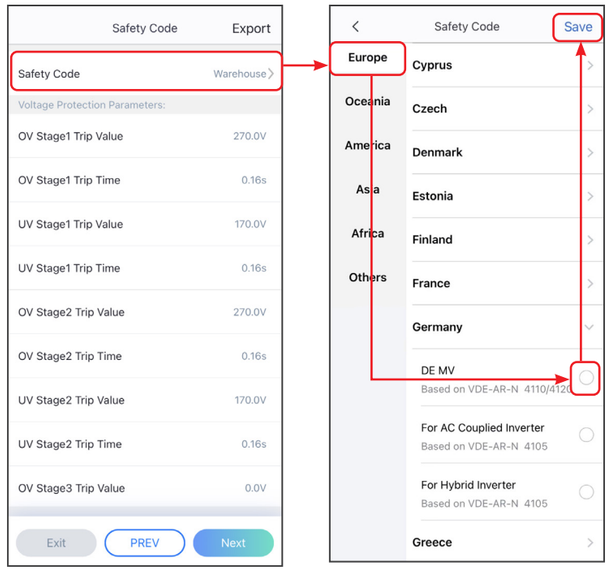
SEMS Portal APP

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

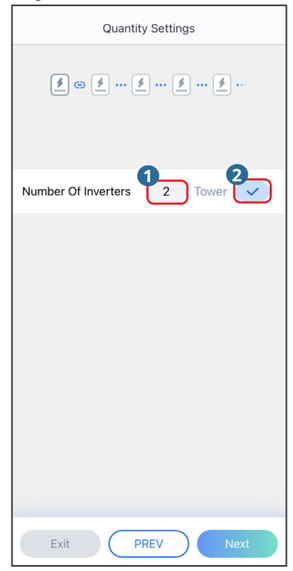
### Quick Settings

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

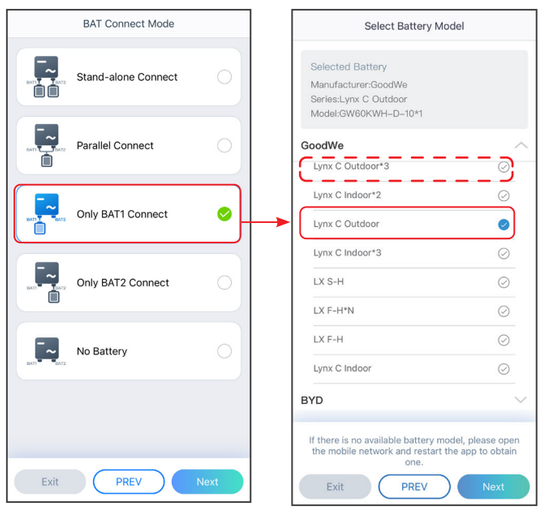
**Setting the Safety Code**



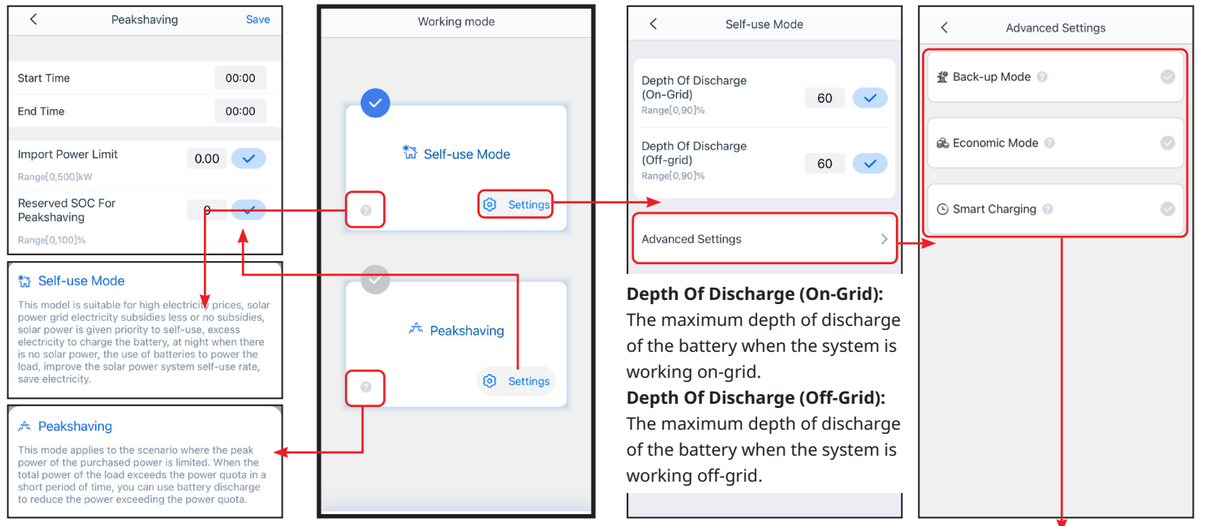

**Setting Inverter Quantity (Only For Parallel Connections)**




**Setting the BAT Connect Mode**

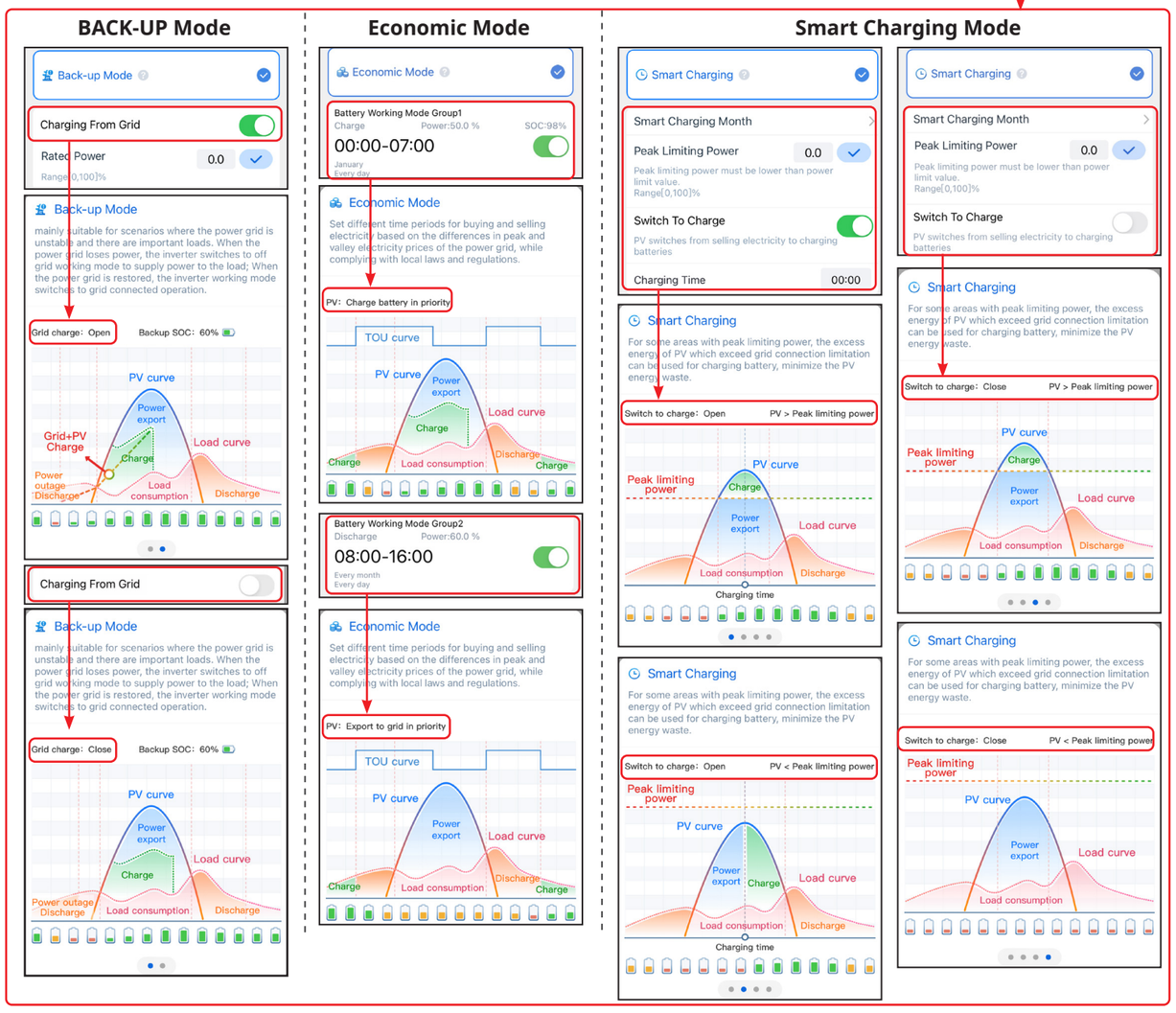


## Setting the Working Mode



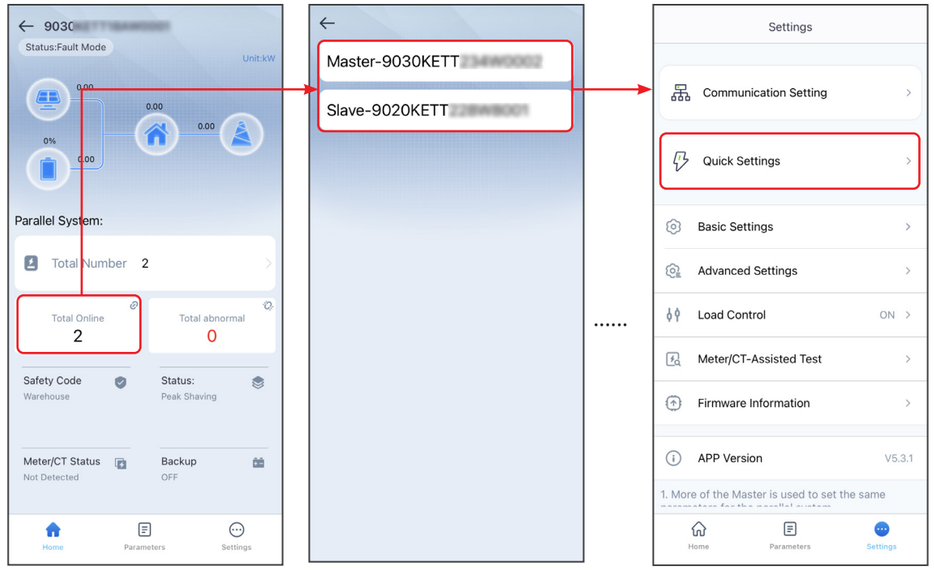

**Depth Of Discharge (On-Grid):** The maximum depth of discharge of the battery when the system is working on-grid.

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




## Setting Batteries Of Each Inverters (Only For Parallel Connections)

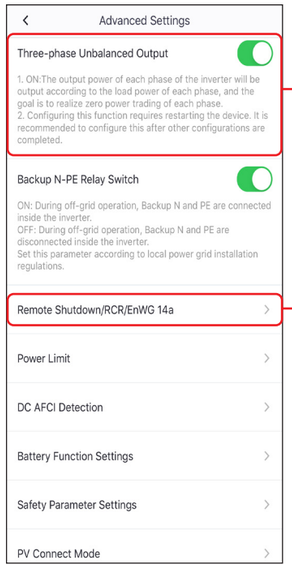
Follow the prompts to set the battery model and connection mode of each inverter.




## Setting Advanced Parameters

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

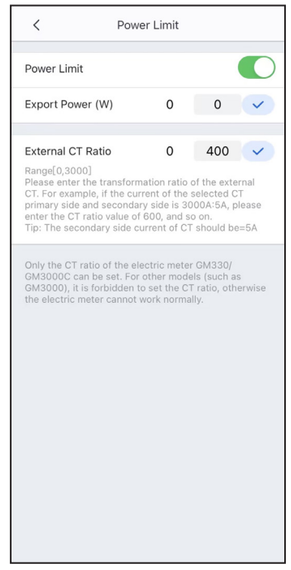
### Setting DRED/Remote Shutdown/RCR/EnWG 14a or Three-phase Unbalanced Output Function (Optional)




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

To use the EnWG 14a, please ensure that the ARM software version is 13.435 or above, and the SolarGo version is 6.0.0 or above.

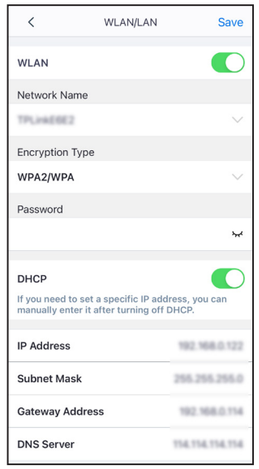
### Setting the Power Limit Function

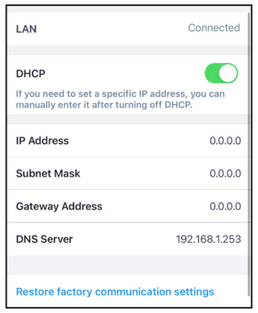


## Configuring the Network

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

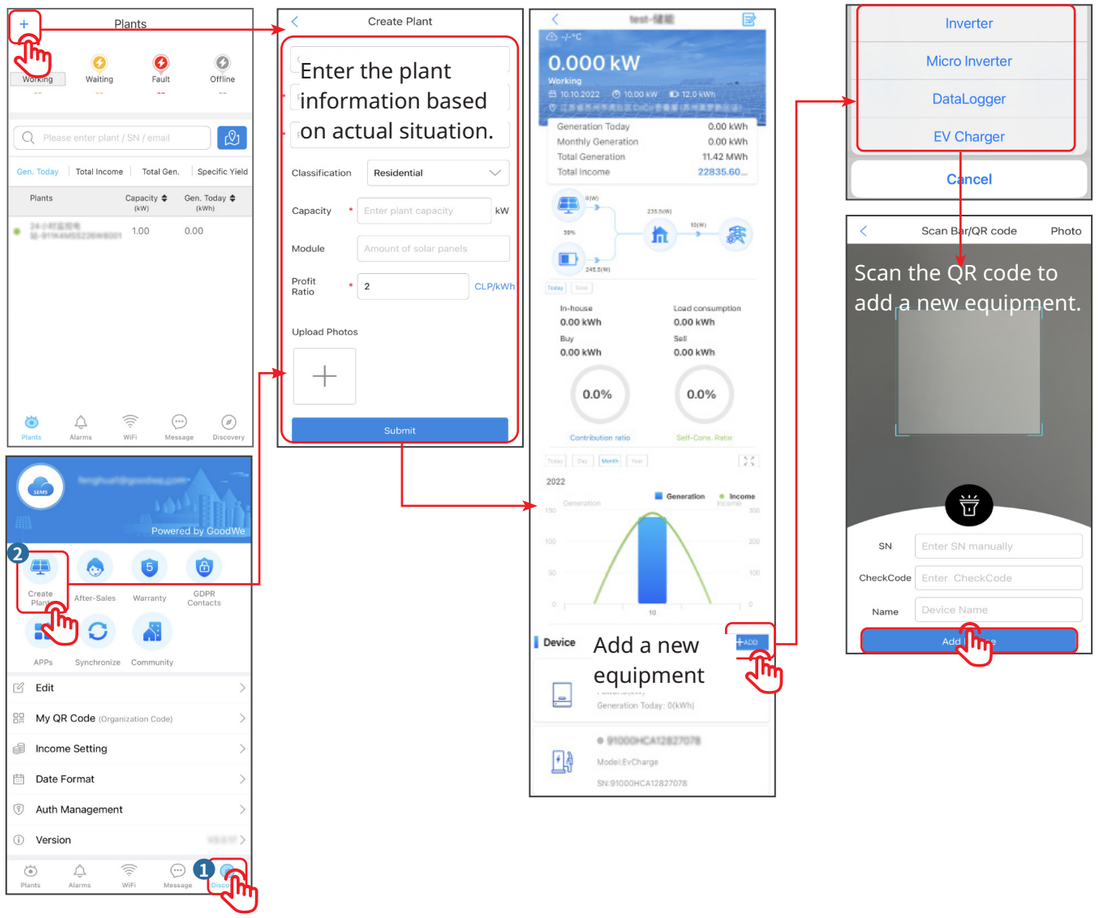
**WiFi/LAN Kit-20, Wi-Fi or Ezlink3000**




## Creating a Power Plant

Create power plants and add equipments via SEMS Portal app.

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