GOODWE

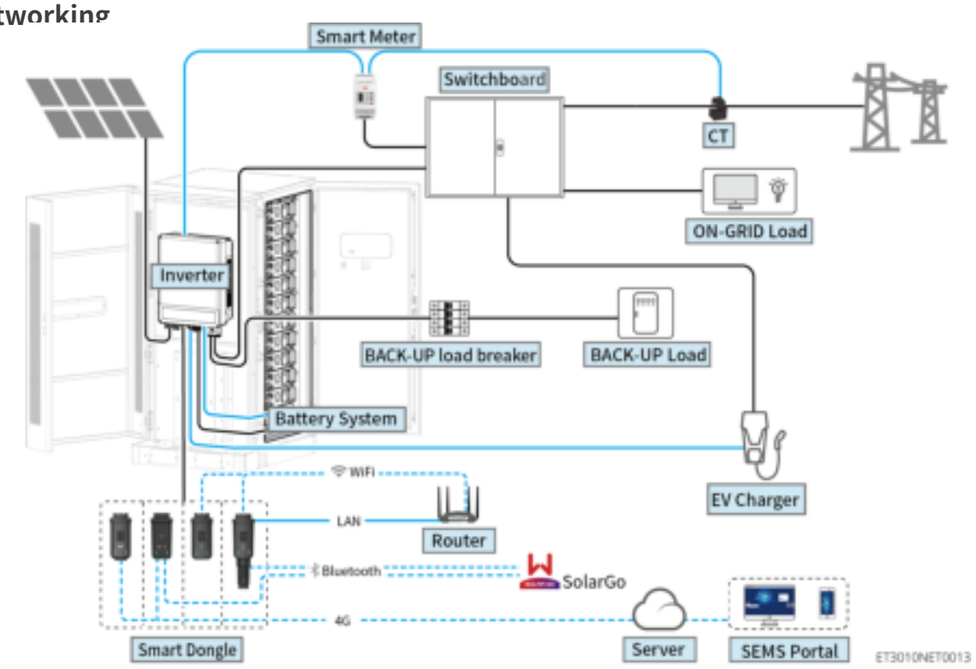
ET 15.0-30.0kW Commercial & Industrial Smart Inverter Solutions Guide

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



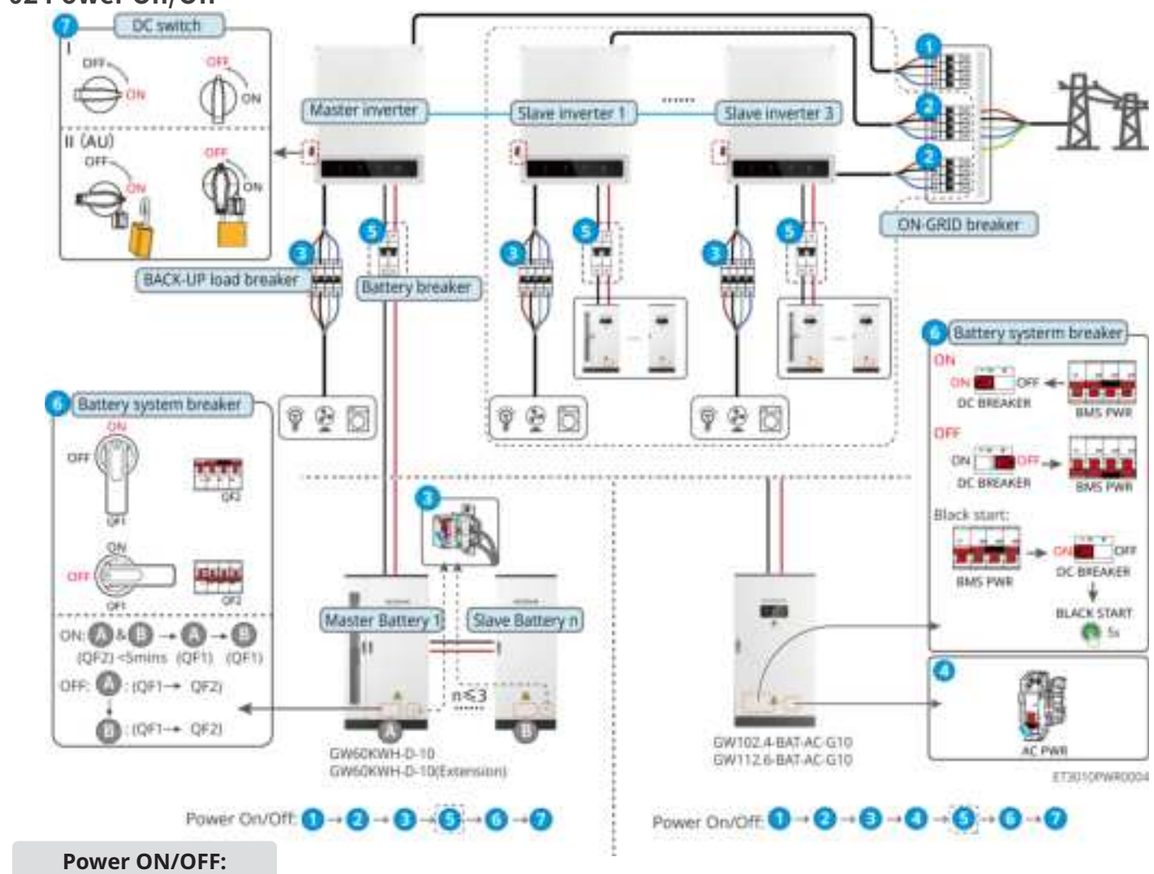
Product Type	Model	Description
Inverter	GW15K-ET GW20K-ET GW25K-ET GW29.9K-ET GW30K-ET	A maximum of 4 inverters can be connected in a parallel system. Inverter firmware requirements for parallel connections: • Consistent firmware version • ARM version: 08(401) or above • DSP version: 07(7068) or above
Battery system	GW60KWH-D-10 GW60KWH-D-10(Extension)	A maximum of 3 battery systems can be clustered in a system.
	GW102.4-BAT-AC-G10 GW112.6-BAT-AC-G10	Supports single cluster only When paired with BATBattery, the following version requirements must be met: • Inverter ARM software version is 14(440) or above • Inverter DSP software version is 10 (10048) or above

Product Type	Model	Description

Smart meter	• GM3000
	• GM330
	• GMK330
		• GM3000: GM3000 and the CT, which cannot be replaced, are included in the inverter package. CT ratio: 120A/40mA.
		• GM330: Order the CT for GM330 from GoodWe or other suppliers. CT ratio: nA/5A.
		  • nA: CT primary input current, n ranges from 200 to 5000.
		  • 5A: CT Secondary input current.
		• GMK330: CT shipped with the meter, CT ratio:
		  • 20A: 40mA
		  • 200A: 50mA (Brazil only)

Smart dongle	• WiFi/LAN Kit-20 • Wi-Fi Kit • 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. • 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 GW60KWH-D-10(Extension) GW102.4-BAT-AC-G10 GW112.6-BAT-AC-G10	GW60KWH-D-10 GW60KWH-D-10(Extension) GW102.4-BAT-AC-G10 GW112.6-BAT-AC-G10	GW60KWH-D-10 GW60KWH-D-10(Extension) B- B+ B- P+ P- P+ P- GW102.4-BAT-AC-G10 GW112.6-BAT-AC-G10 P+ P-	GW60KWH-D-10 GW60KWH-D-10(Extension) GW102.4-BAT-AC-G10 GW112.6-BAT-AC-G10 COM
Tools	❶ D: 80mm Φ: 14mm ❷ M12 50N·m	M5 4.5N·m M5 4N·m	❶ M6 6N·m ❷ M8 10N·m Recommend: YQK-70 ❷ M5 4.5-6N·m Crimping tool	❶

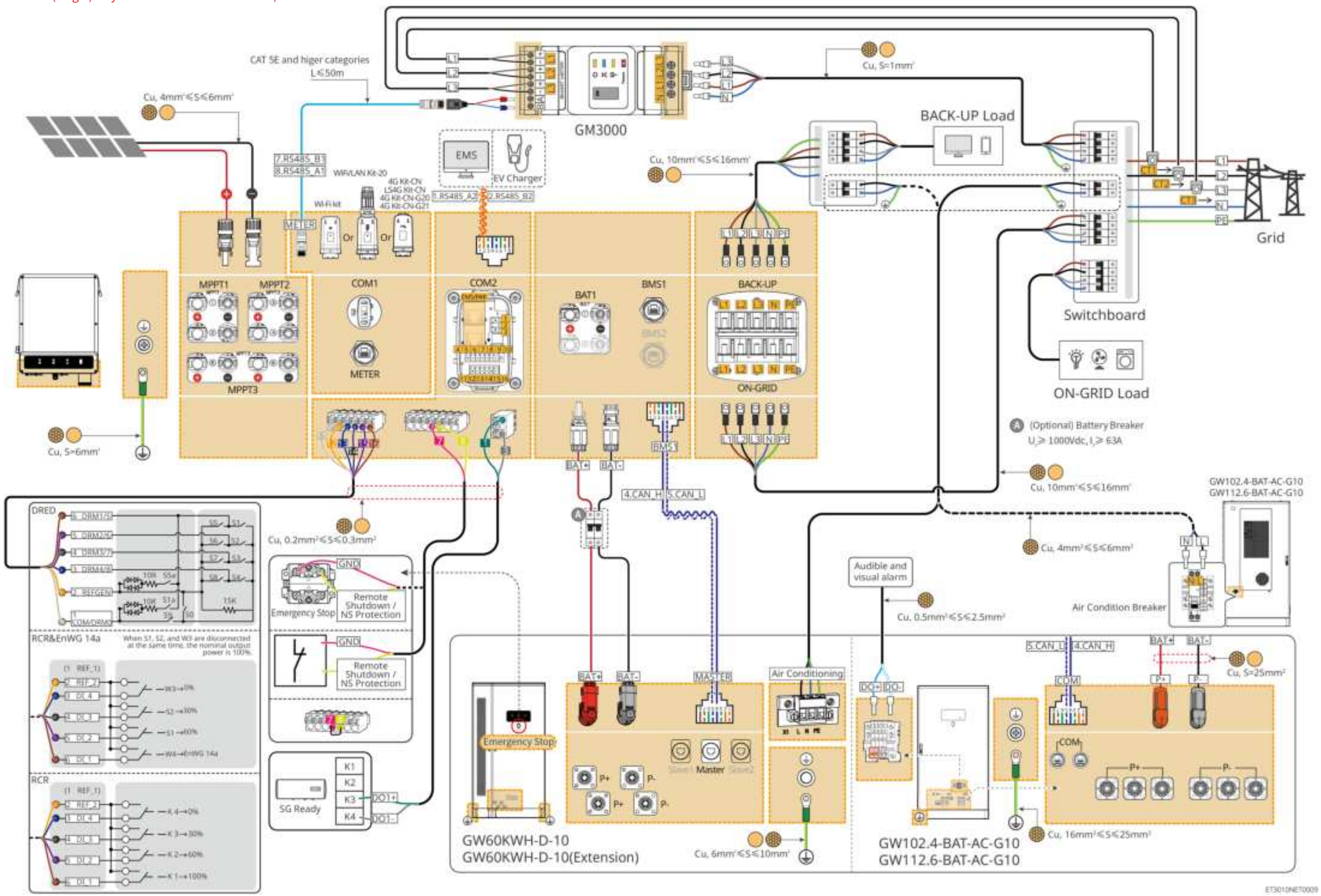
Steps	❶ Installation	❷ PE	❸ PV	❹ Battery	❺ AC	❻ COM	❼ Communication module
Inverter							Wi-Fi Kit WiFi/LAN Kit-20 Ezlink3000
Tools	❶ M5 4.5N·m ❷ M5 1.2~2N·m	M5 1.2~2N·m	Recommend: PV-CZM-61100	Recommend: VXC9	❶ M5 2~3N·m ❷ M6 3~4N·m	M4 1.5N·m	4G Kit-CN LS4G Kit-CN 4G Kit-CN-G20 4G Kit-CN-G21

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

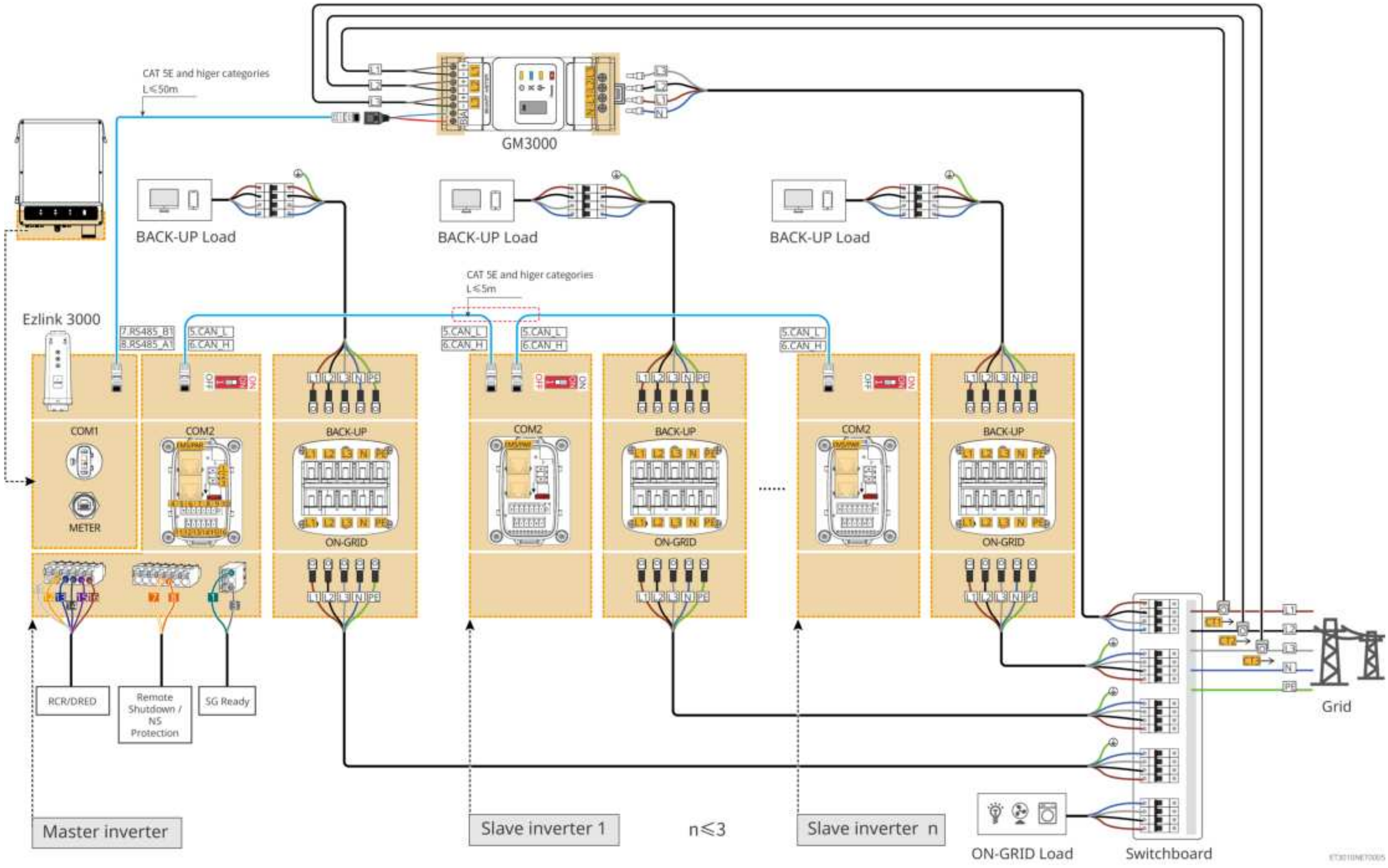
ET301GINT0005

04 Wiring Diagram

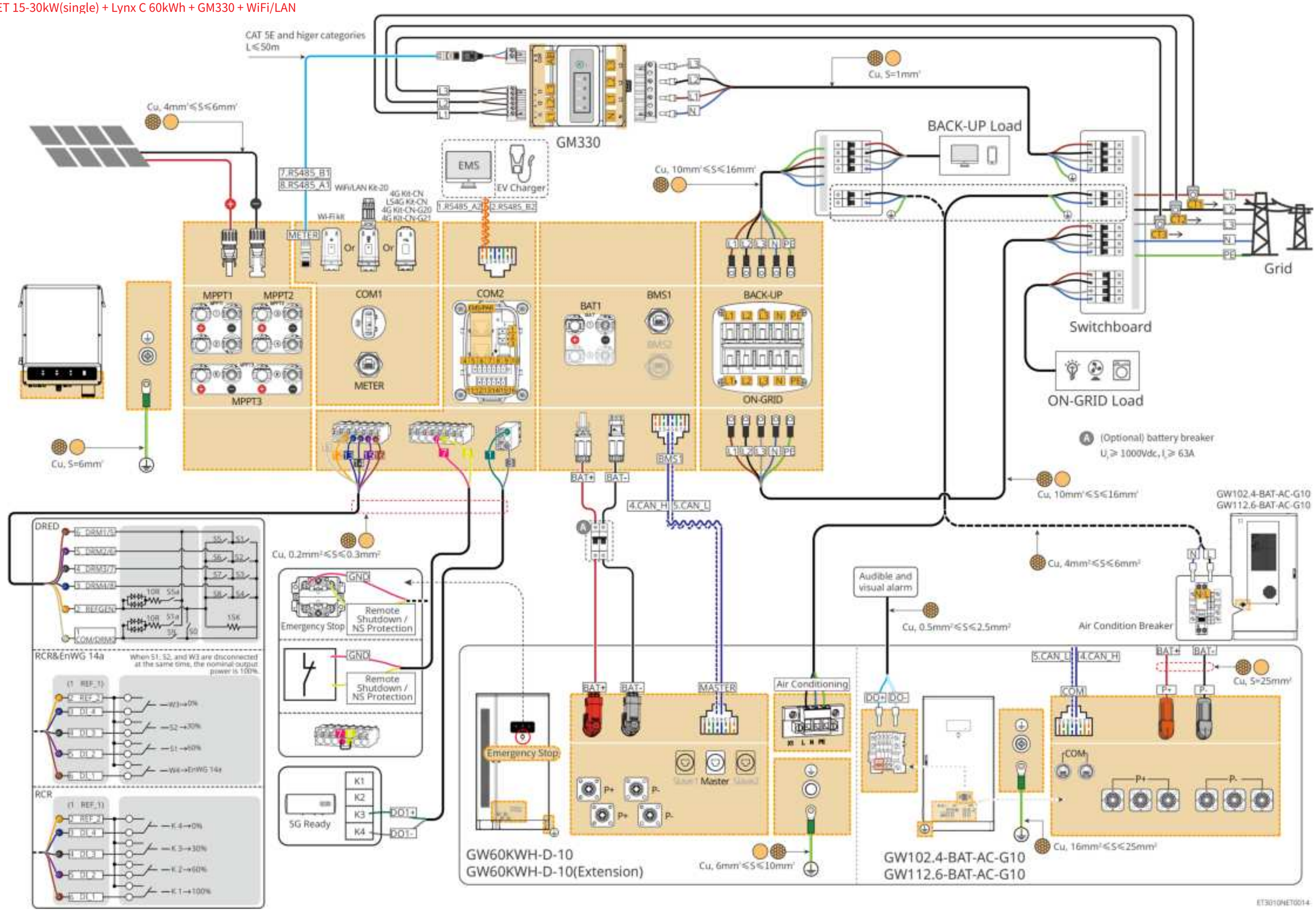
ET 15-30kW(single) + Lynx C 60kWh + GM3000 + WiFi/LAN



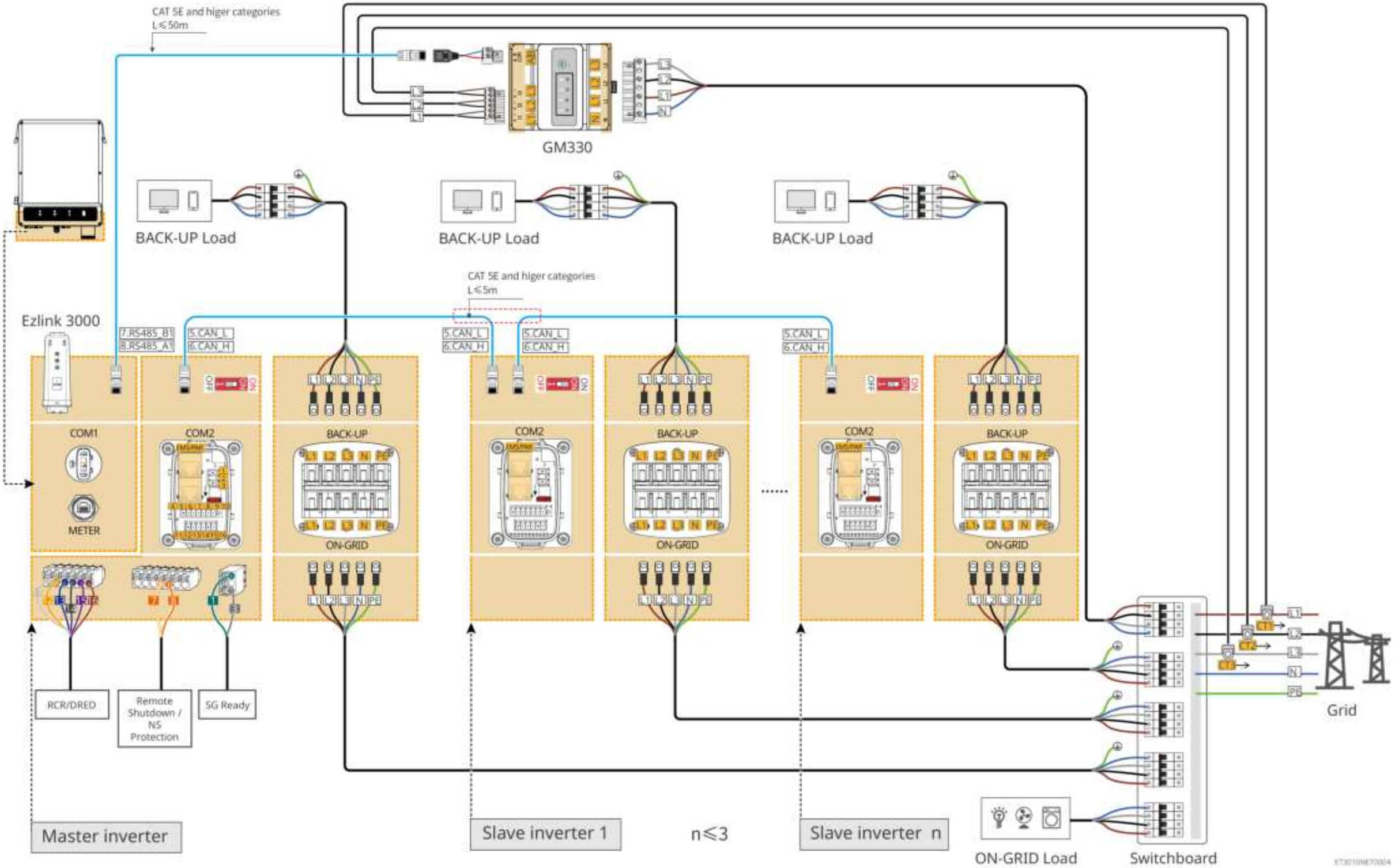
ET 15-30kW(parallel connected) + GM3000 + Ezlink3000



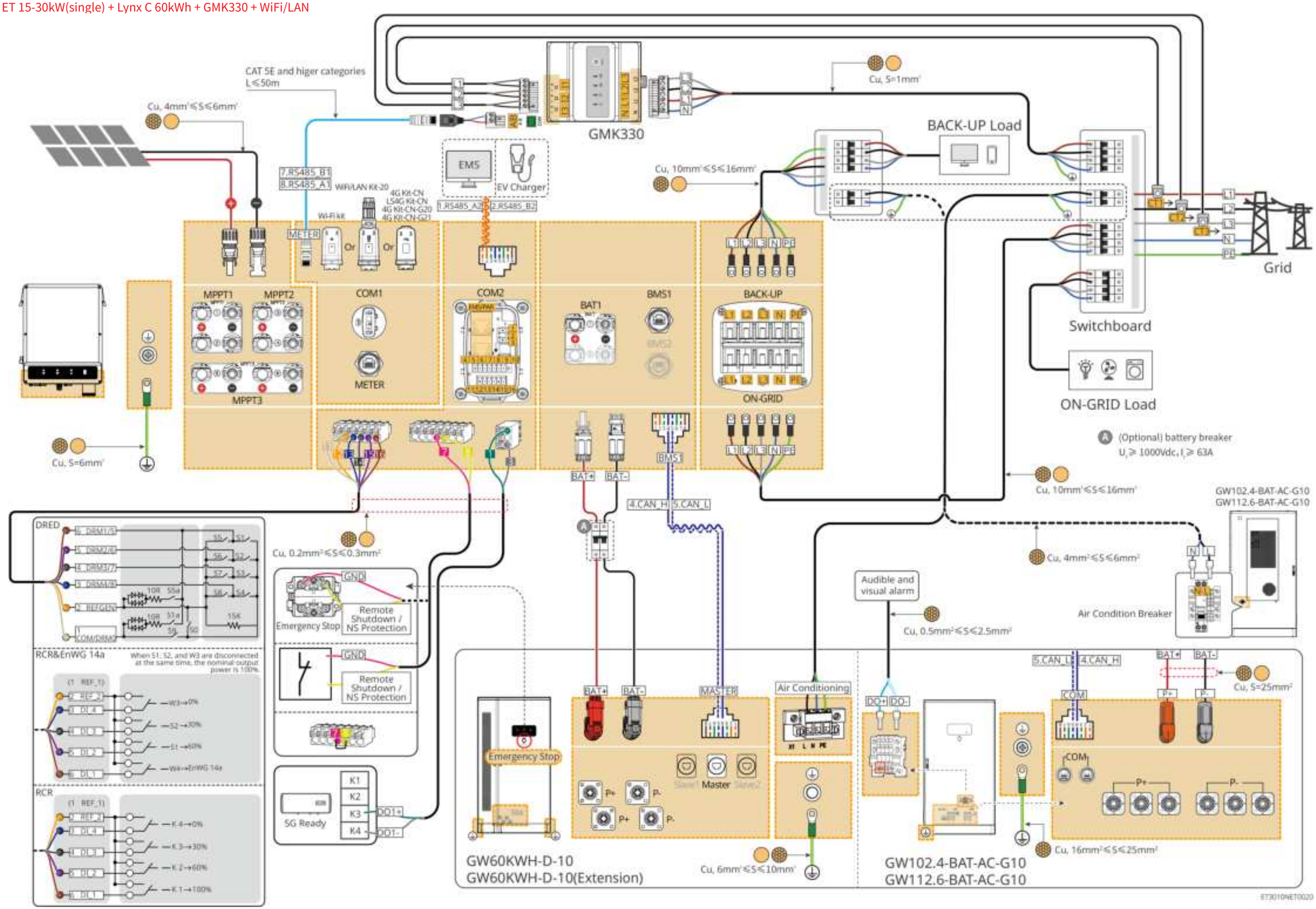
ET 15-30kW(single) + Lynx C 60kWh + GM330 + WiFi/LAN



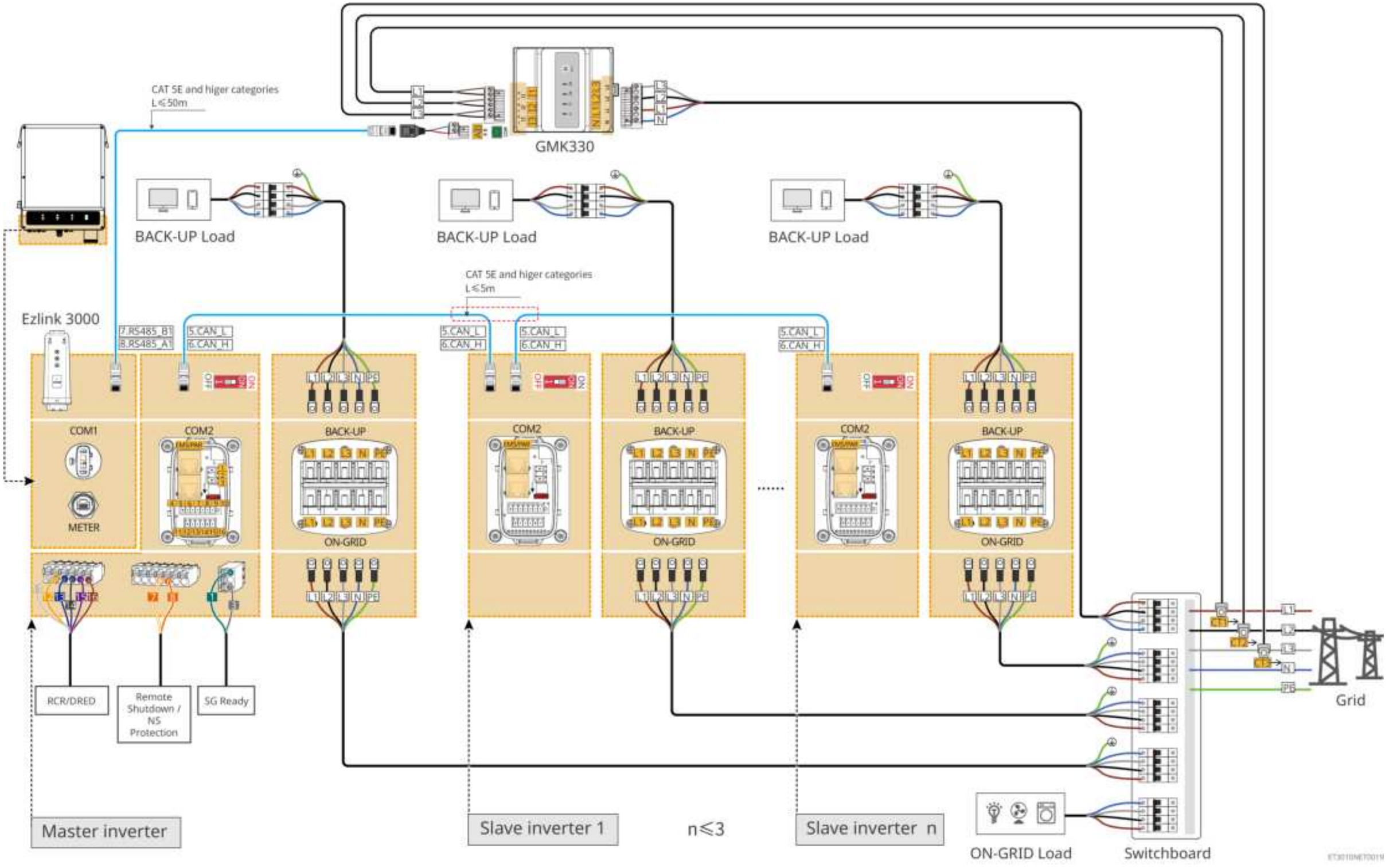
ET 15-30kW(parallel connected) + GM330 + Ezlink3000



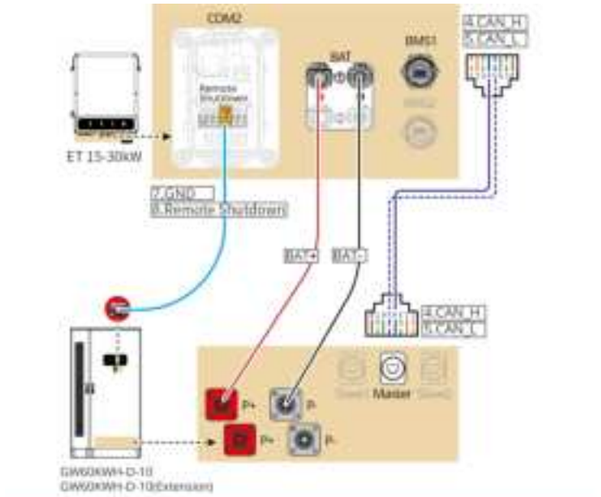
ET 15-30kW(single) + Lynx C 60kWh + GMK330 + WiFi/LAN

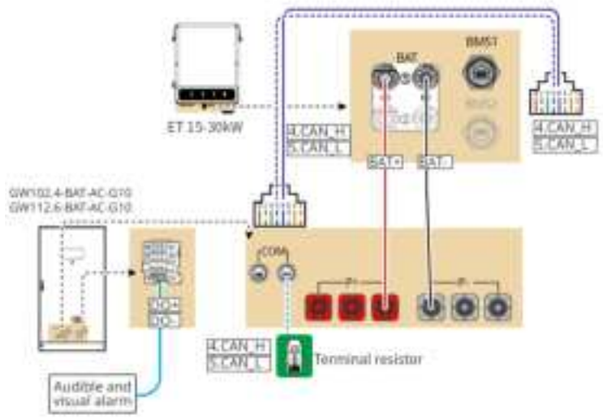


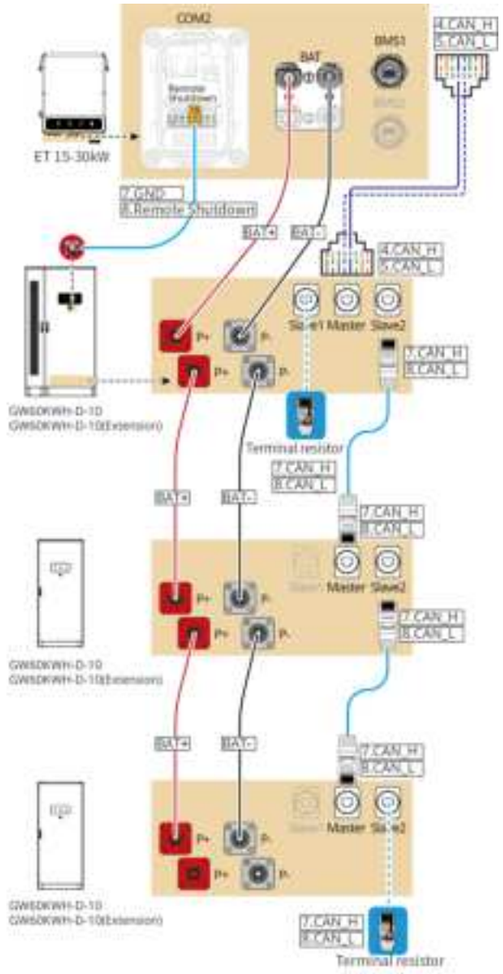
ET 15-30kW(parallel connected) + GMK330 + Ezlink3000



Battery system wiring diagram







CAT 5E and higer categories

05 Equipment Commissioning

SolarGo app

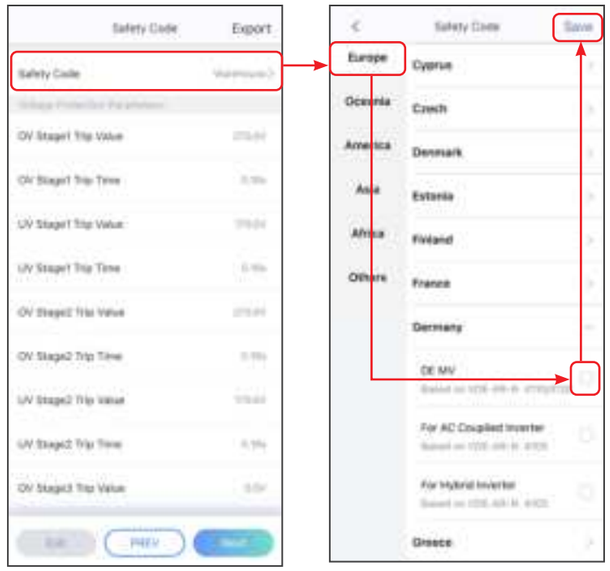
SEMS Portal APP

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

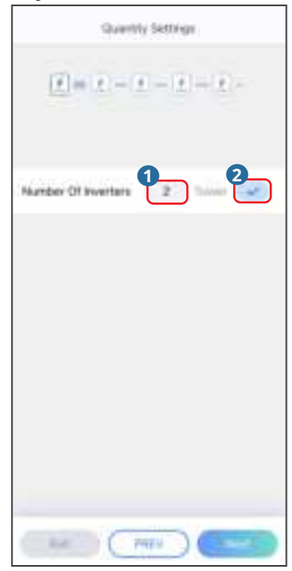
Quick Settings

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

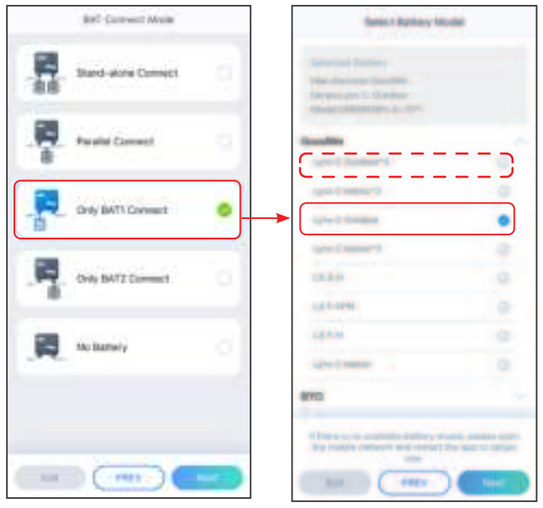
Setting the Safety Code



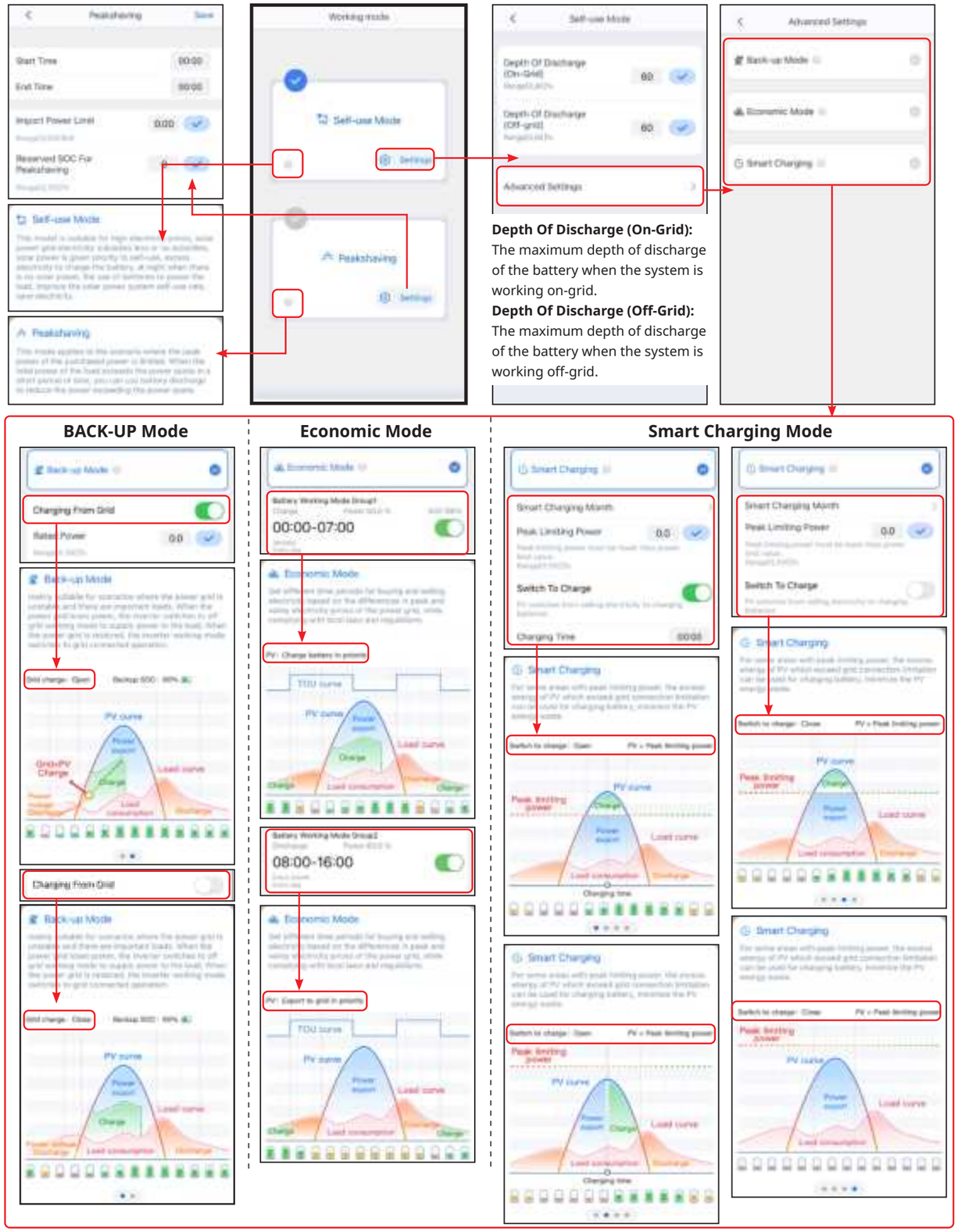
Setting Inverter Quantity (Only For Parallel Connections)



Setting the BAT Connect Mode



Setting the Working Mode

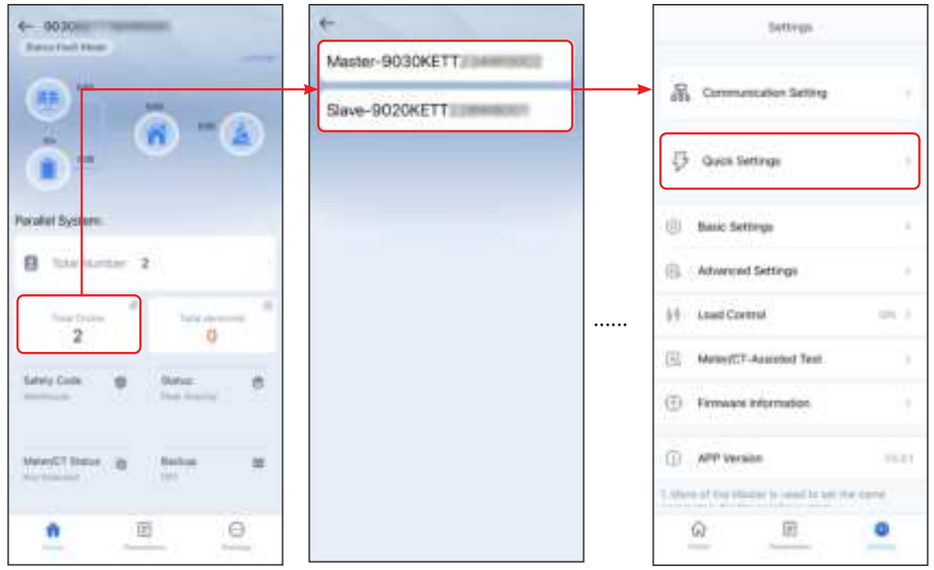


Depth Of Discharge (On-Grid):
The maximum depth of discharge of the battery when the system is working on-grid.

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)

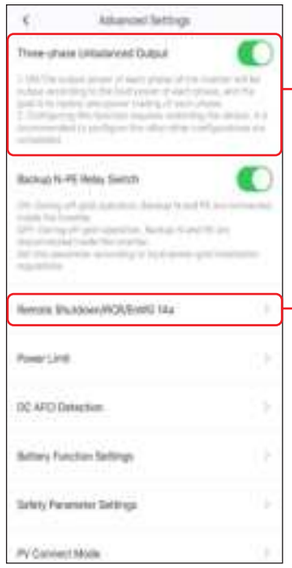
Follow the prompts to set the battery model and connection mode of each inverter.



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

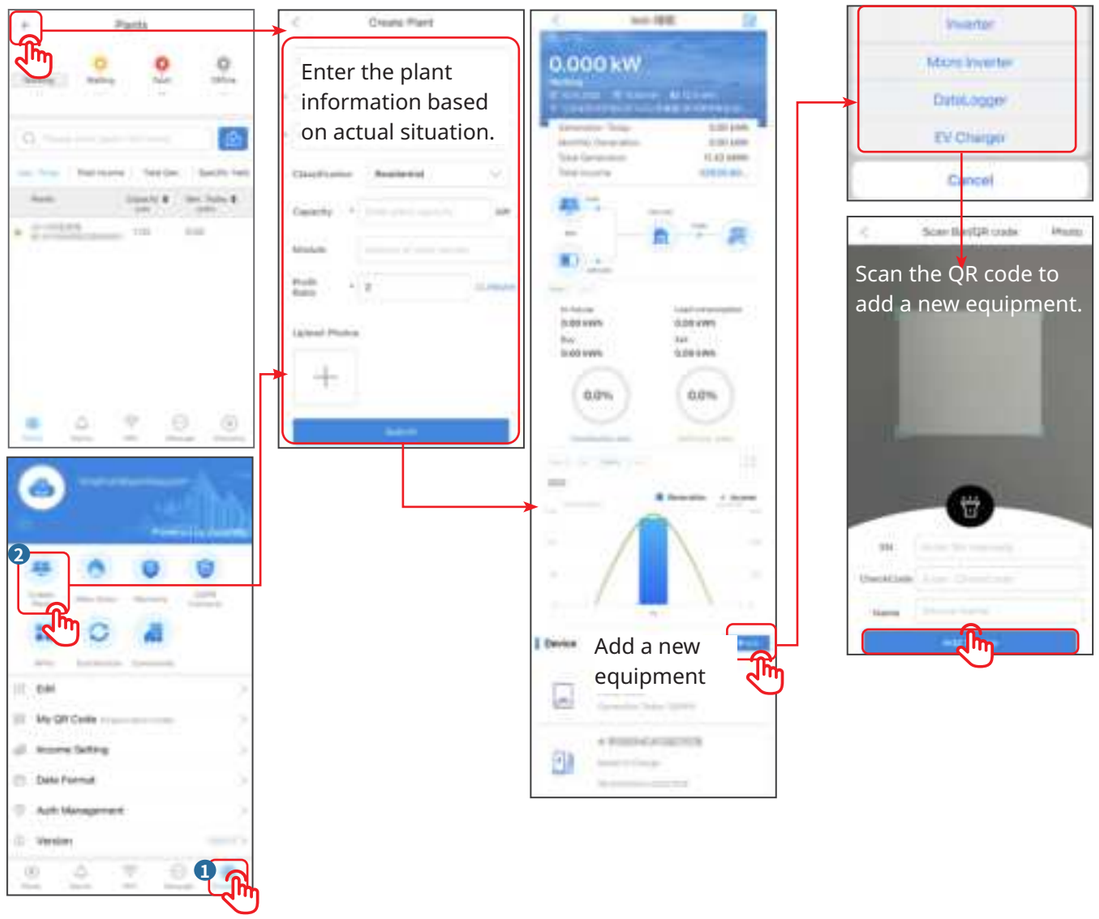
Configuring the Network

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.



GoodWe Technologies Co., Ltd.
No. 90 Zijin Rd., New District, Suzhou, 215011, China
www.goodwe.com
service@goodwe.com