GOODWE

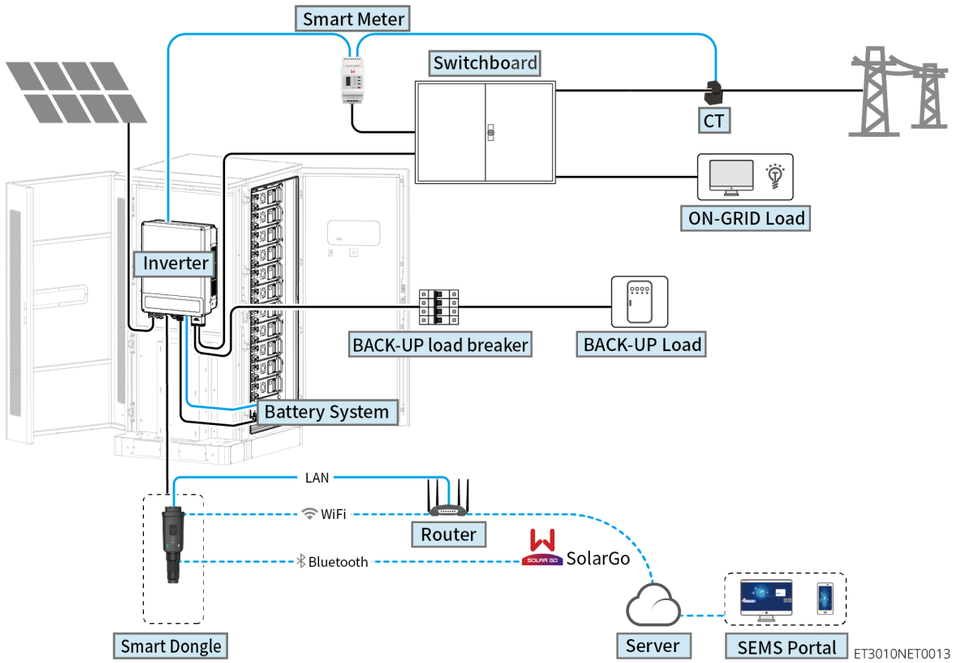
ET 15.0-30.0kW Commercial & Industrial Smart Inverter Solutions Guide

V1.1-2024-08-19

⚠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

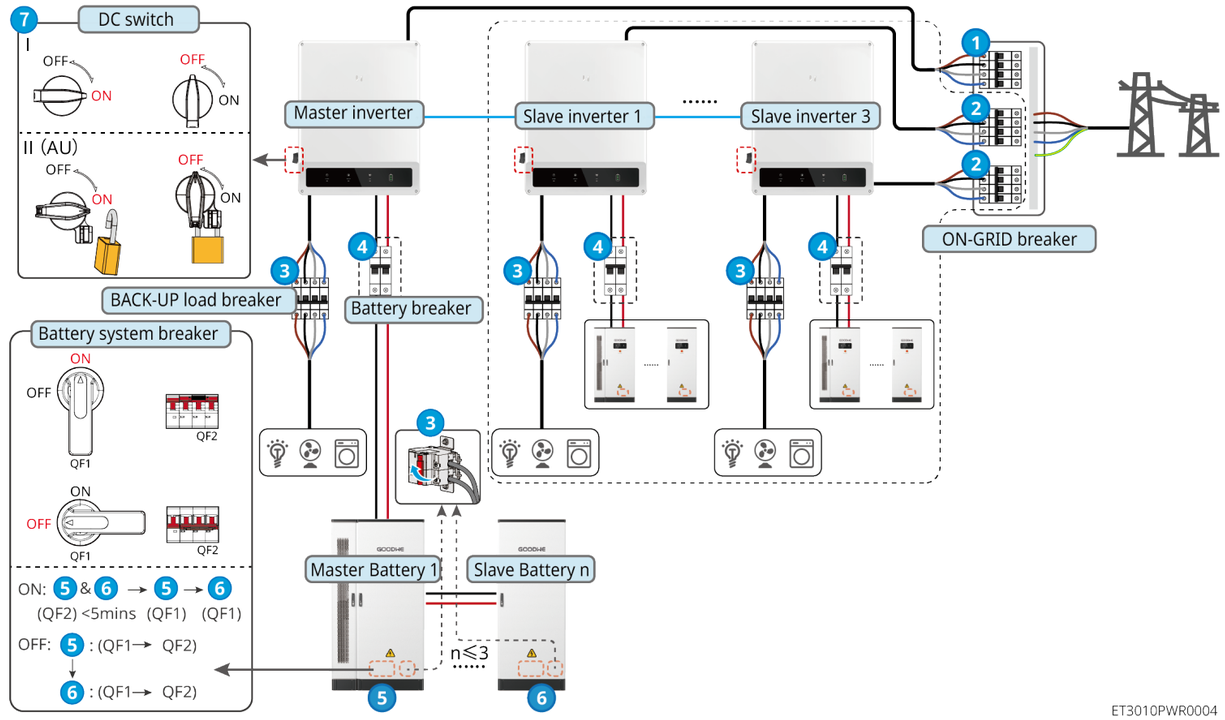


Product Type	Model	Description
Inverter	GW15K-ET GW20K-ET GW25K-ET GW29.9K-ET GW30K-ET	A maximum of 4 inverters can be connected in a parallel system. Inverter firmware requirements for parallel connections: • Consistent firmware version • ARM version: 08(401) or above • DSP version: 07(7068) or above
Battery system	GW60KWH-D-10 GW60KWH-D-10(Extension)	A maximum of 3 battery systems can be clustered in a system.

Smart meter	• GM3000
	• GM330
		• 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.

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

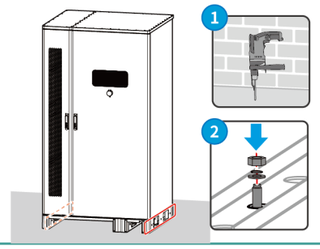
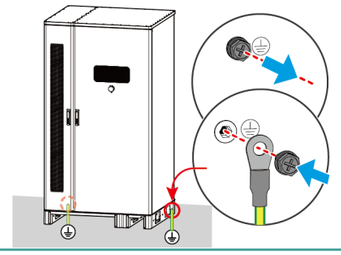
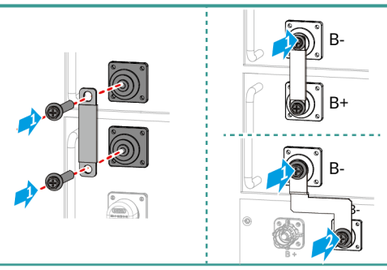
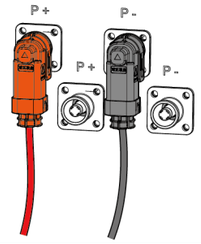
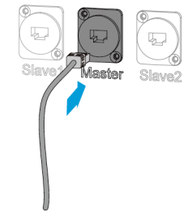
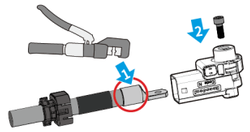


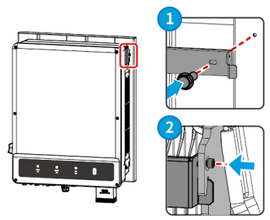
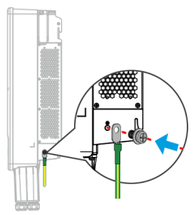
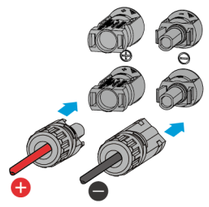
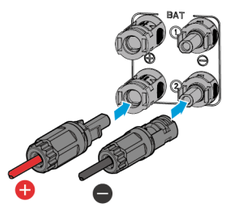
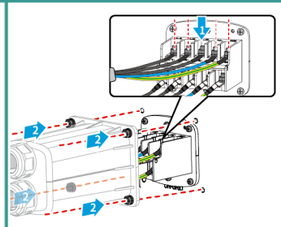
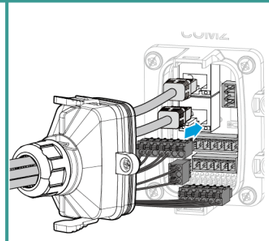
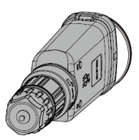
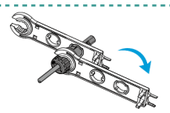
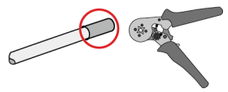
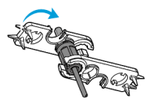
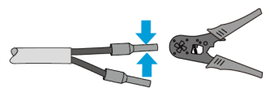
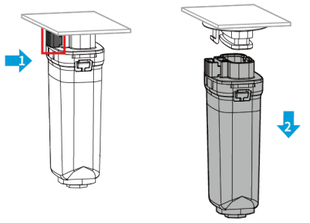
Power ON/OFF:

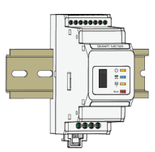
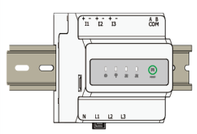
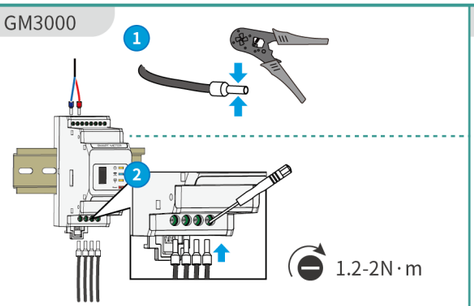
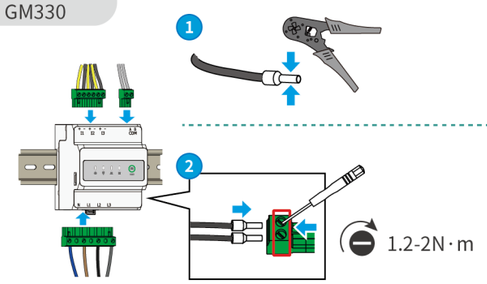
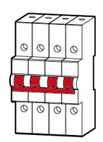
1 → 2 → 3 → 4 → 5 → 6 → 7

④ : Optional in compliance with local laws and regulations.

03 Installations

Steps	❶ Installation	❷ PE	❸ Battery	❹ COM
Battery			 	
Tools	❶  D: 80mm ϕ: 14mm ❷ M12 50N·m 	M5 4.5N·m	❶ M6 6N·m  ❷ M8 10N·m 	Recommend: YQK-70  ❷ M5 4.5-6N·m 	

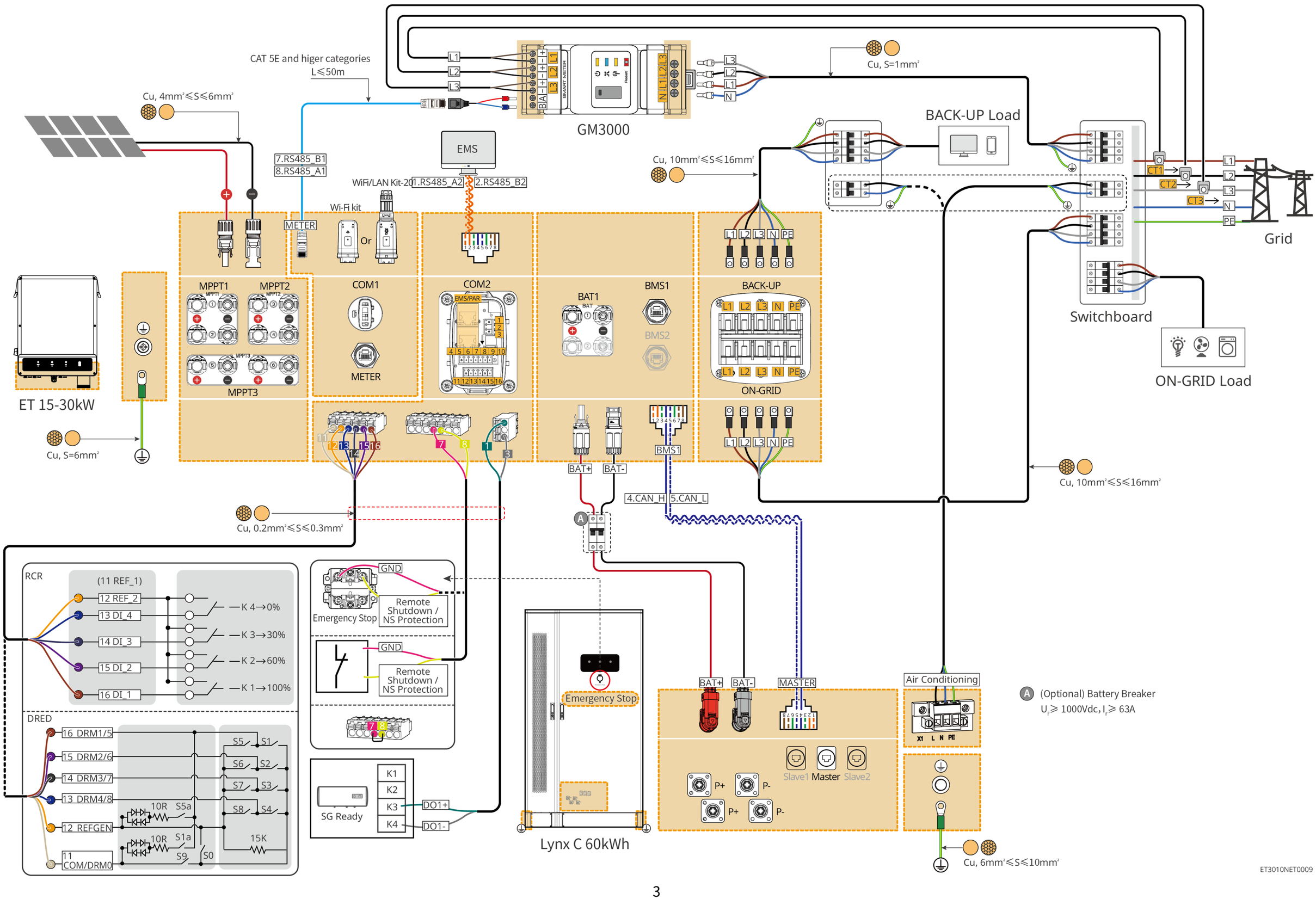
Steps	❶ Installation	❷ PE	❸ PV	❹ Battery	❺ AC	❻ COM	❼ Communication module
Inverter							Wi-Fi Kit  WiFi/LAN Kit-20  Ezlink3000 
Tools	❶ M5 4.5N·m  ❷ M5 1.2~2N·m 	M5 1.2~2N·m 	Recommend: PV-CZM-61100  	Recommend: VXC9  	❶ M5 2~3N·m  ❷ M6 3~4N·m 	 M4 1.5N·m 	

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

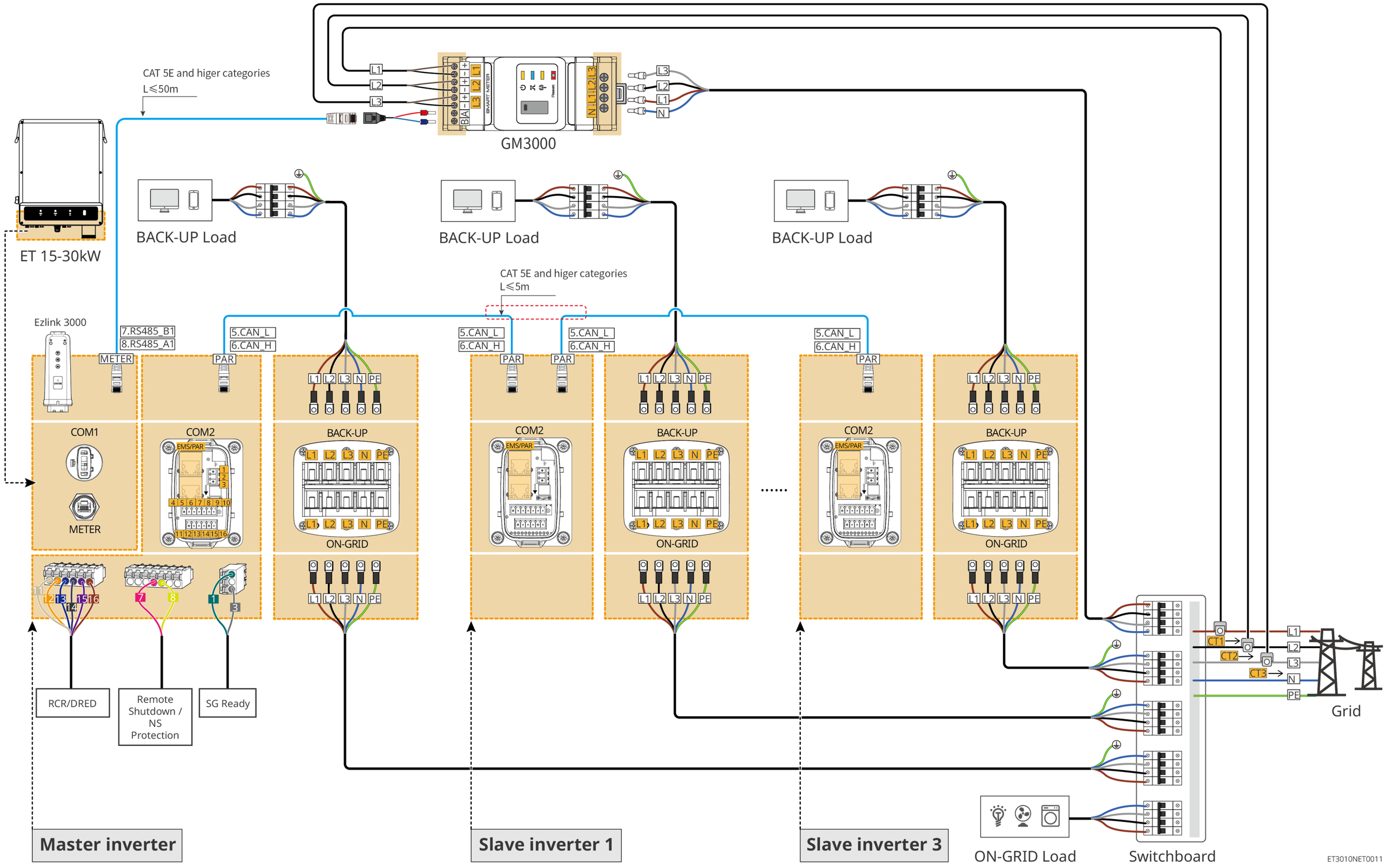
ET3010INT0005

04 Wiring Diagram

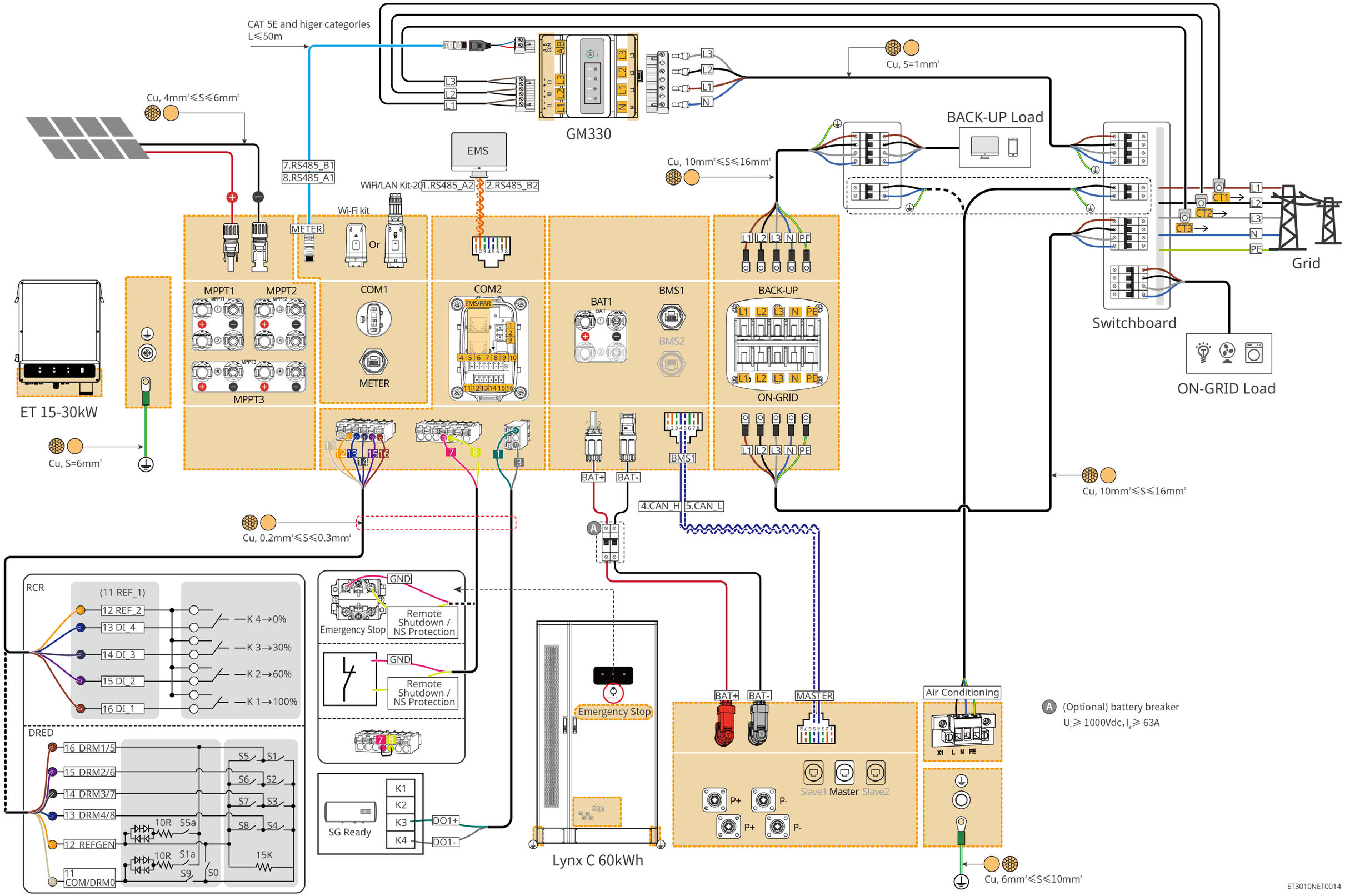
ET 15-30kW(single) + Lynx C 60kWh + GM3000 + WiFi/LAN



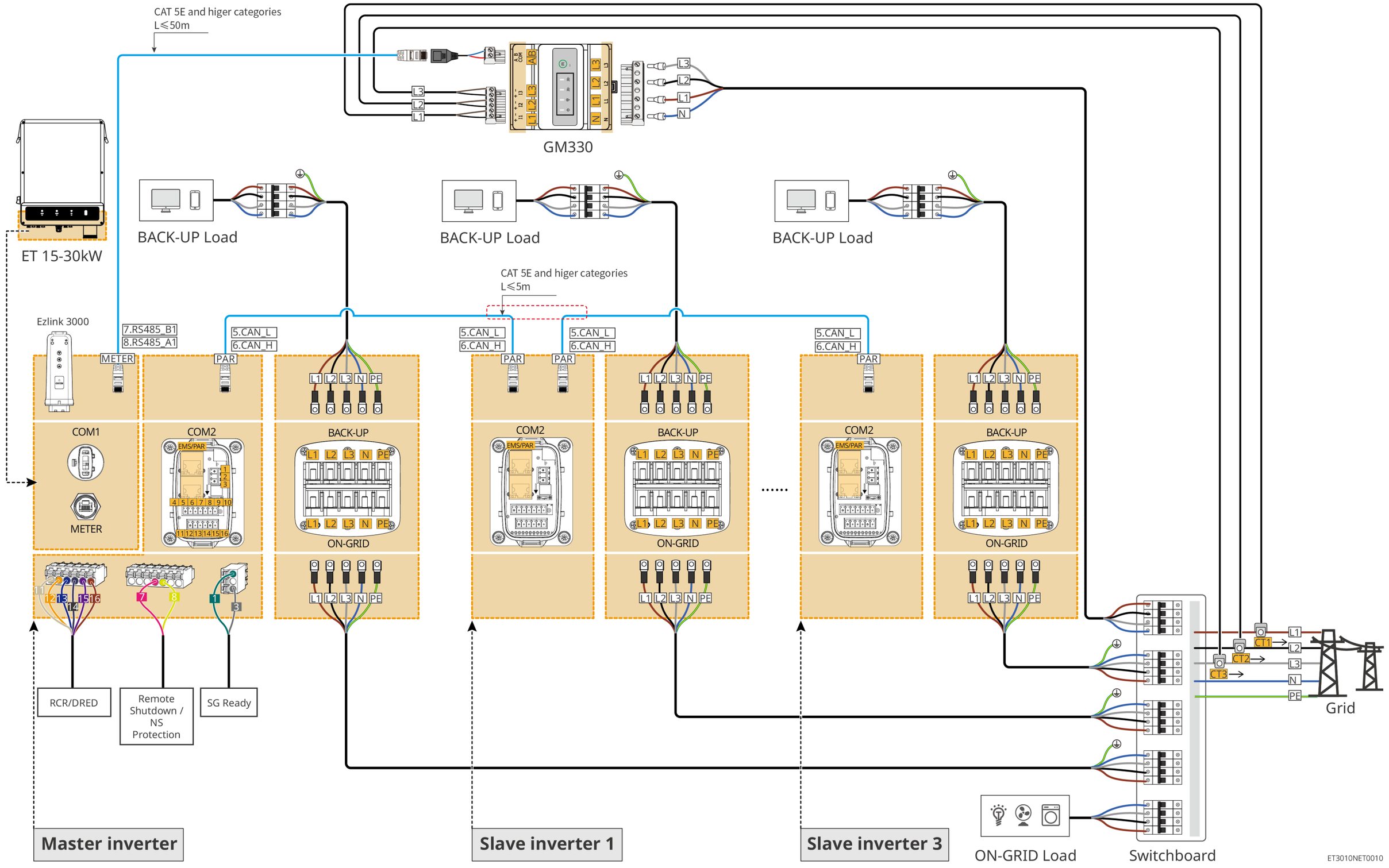
ET 15-30kW(parallel connected) + GM3000 + Ezlink3000



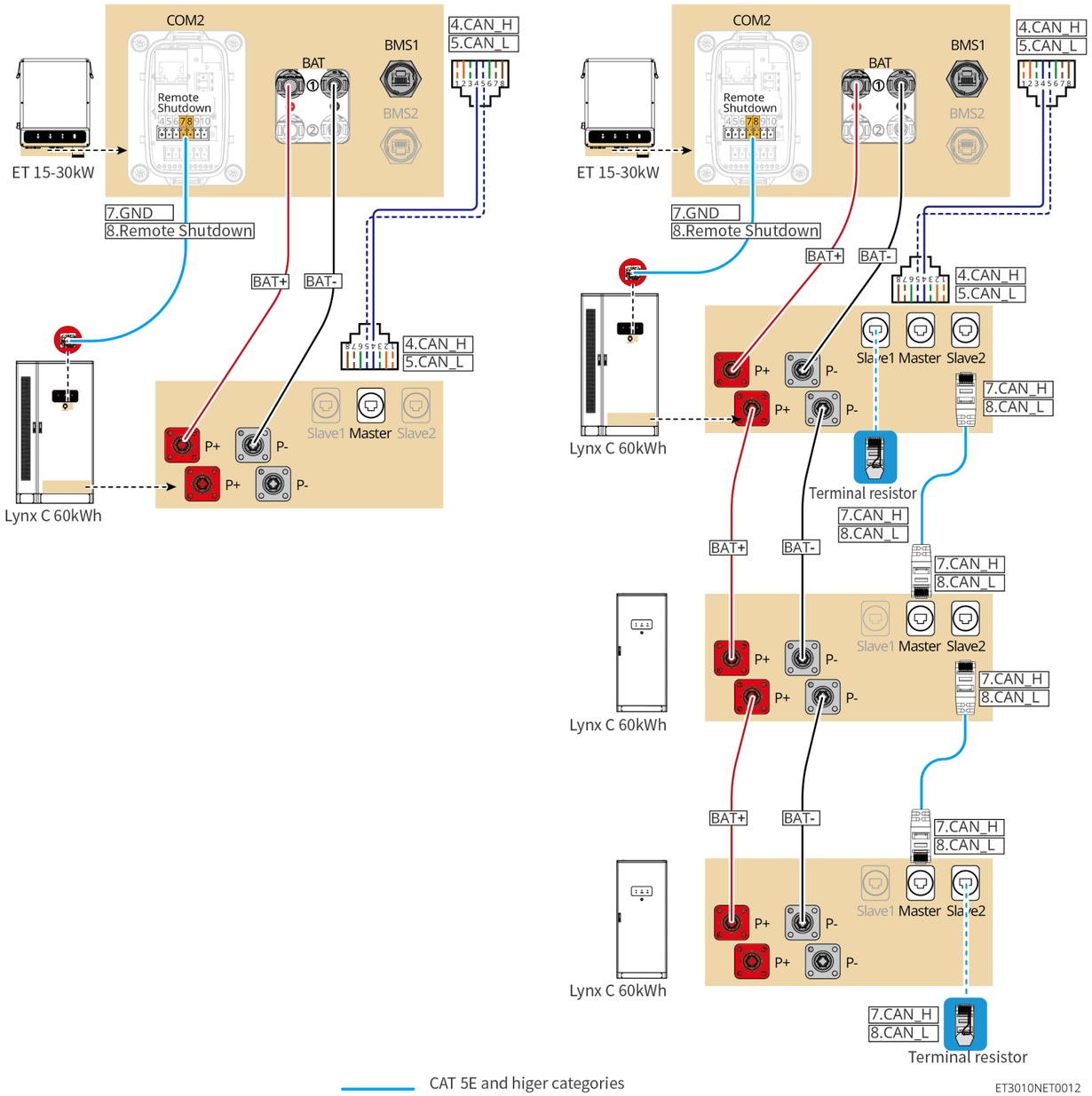
ET 15-30kW(single) + Lynx C 60kWh + GM330 + WiFi/LAN



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



Battery system wiring diagram



05 Equipment Commissioning

SolarGo app

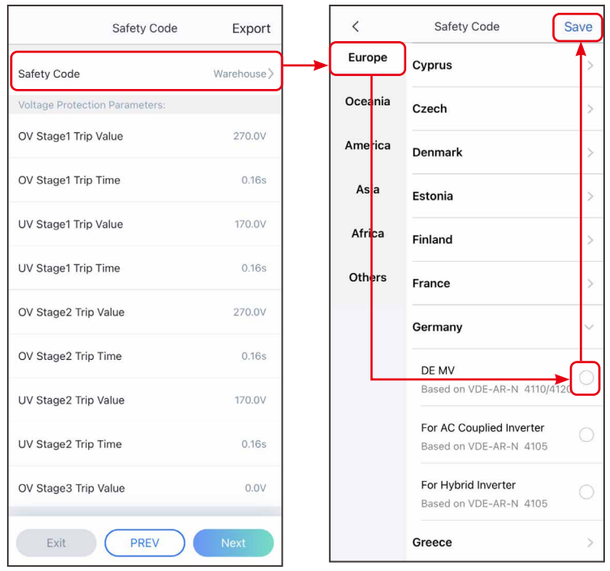
SEMS Portal APP

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

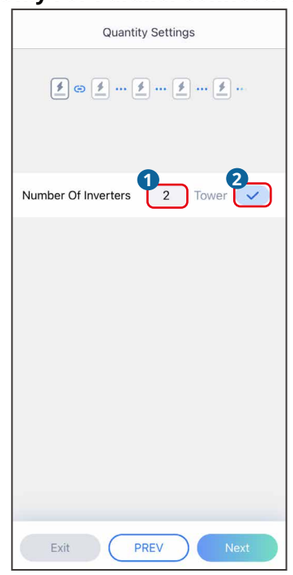
Quick Settings

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

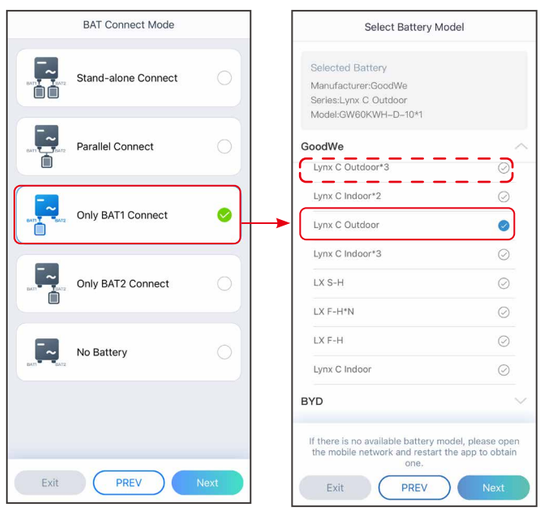
Setting the Safety Code



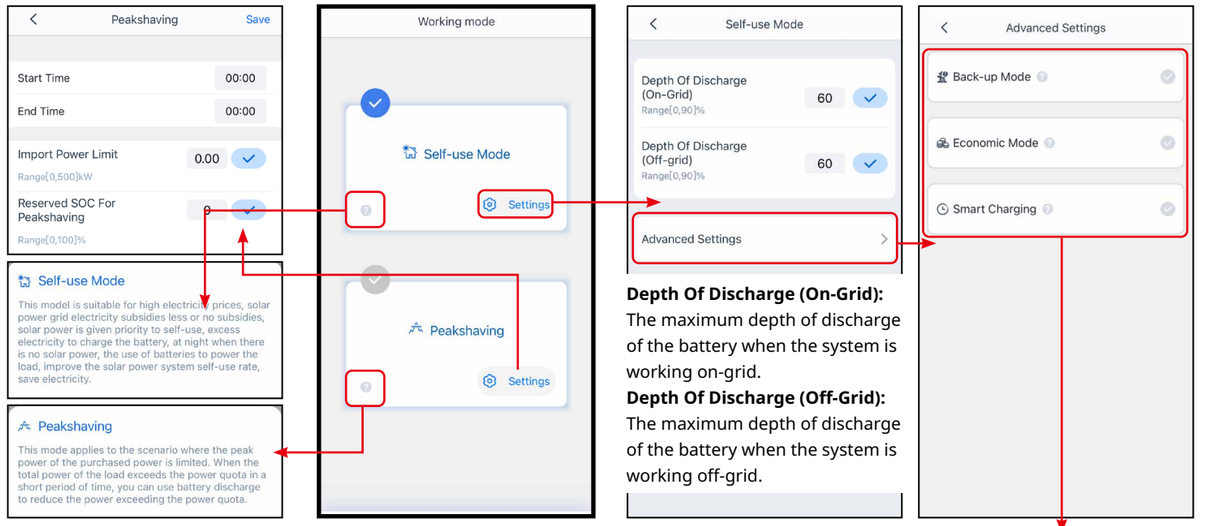
Setting Inverter Quantity (Only For Parallel Connections)



Setting the BAT Connect Mode

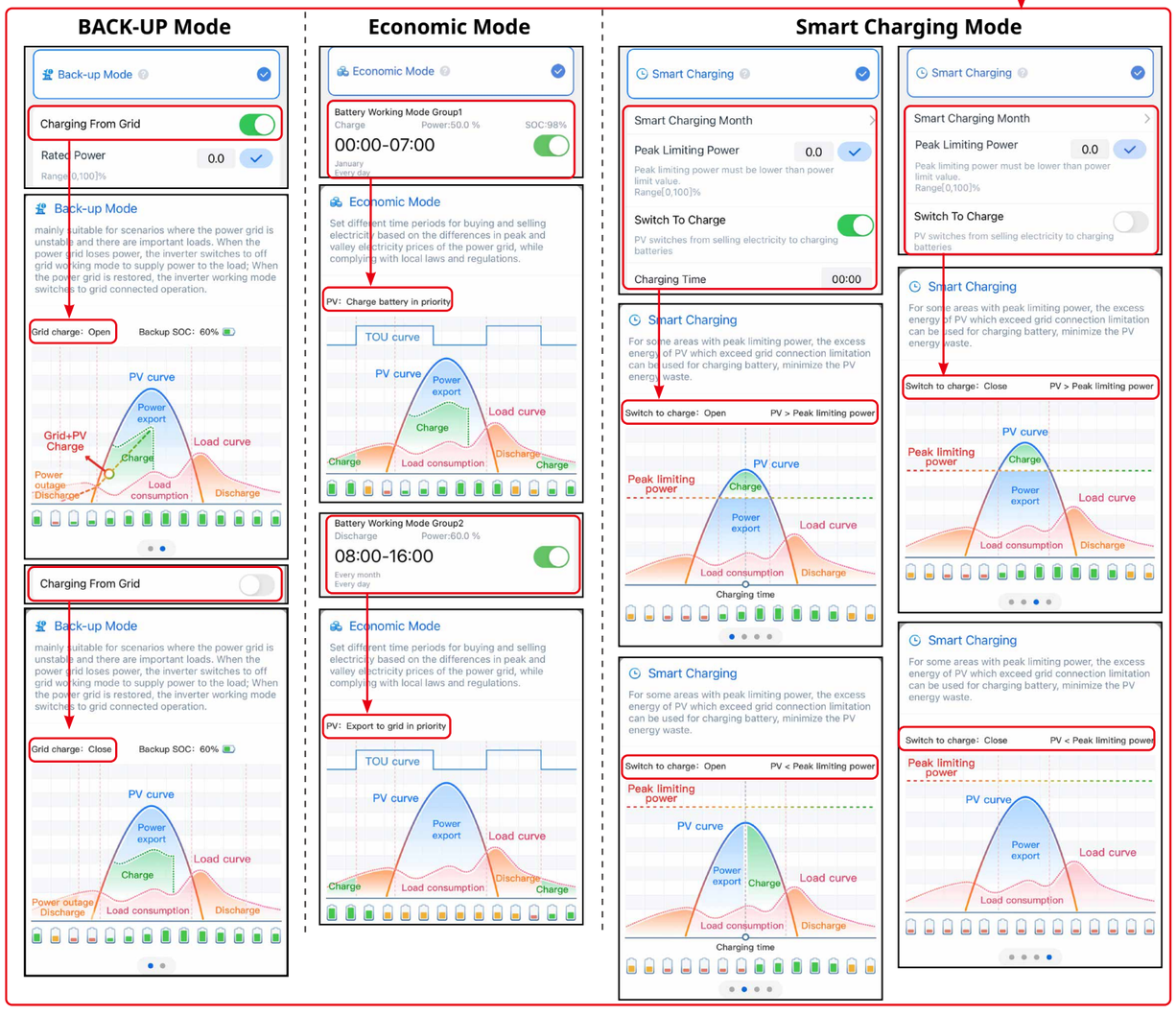


Setting the Working Mode



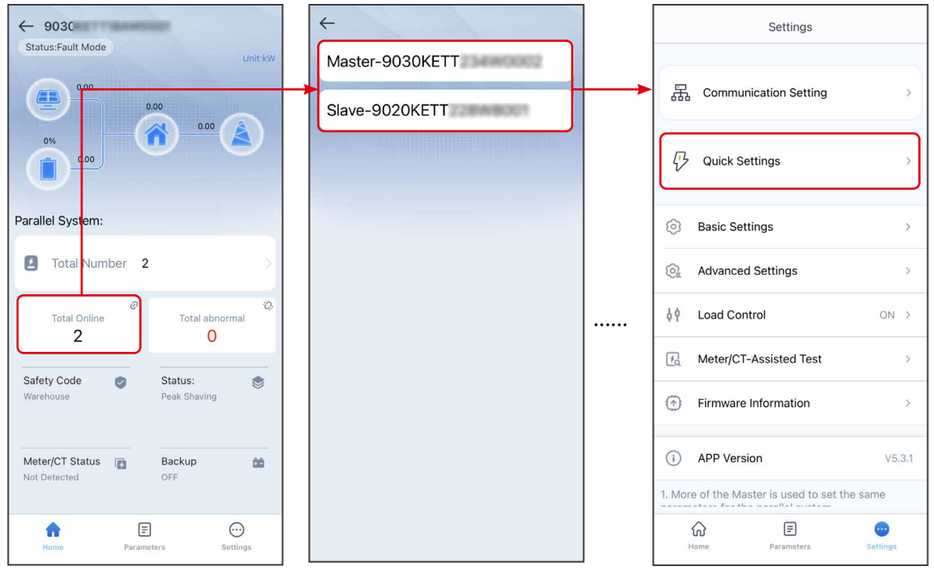
Depth Of Discharge (On-Grid): The maximum depth of discharge of the battery when the system is working on-grid.

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)

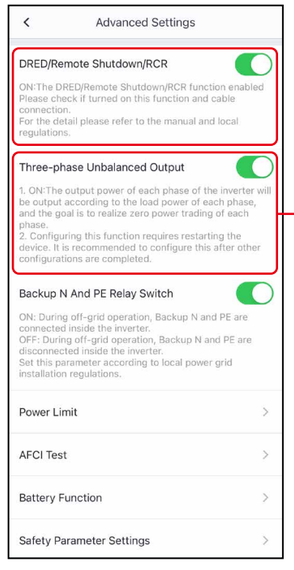
Follow the prompts to set the battery model and connection mode of each inverter.



Setting Advanced Parameters

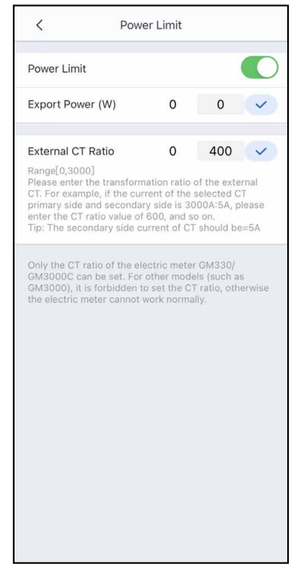
Tap **Home > Settings > Advanced Settings** to set the following functions.

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



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

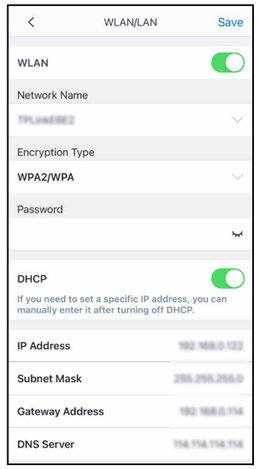
Setting the Power Limit Function

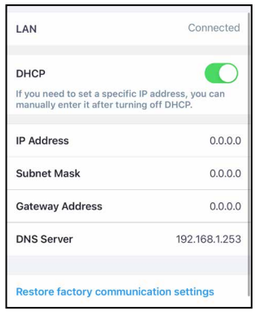


Configuring the Network

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

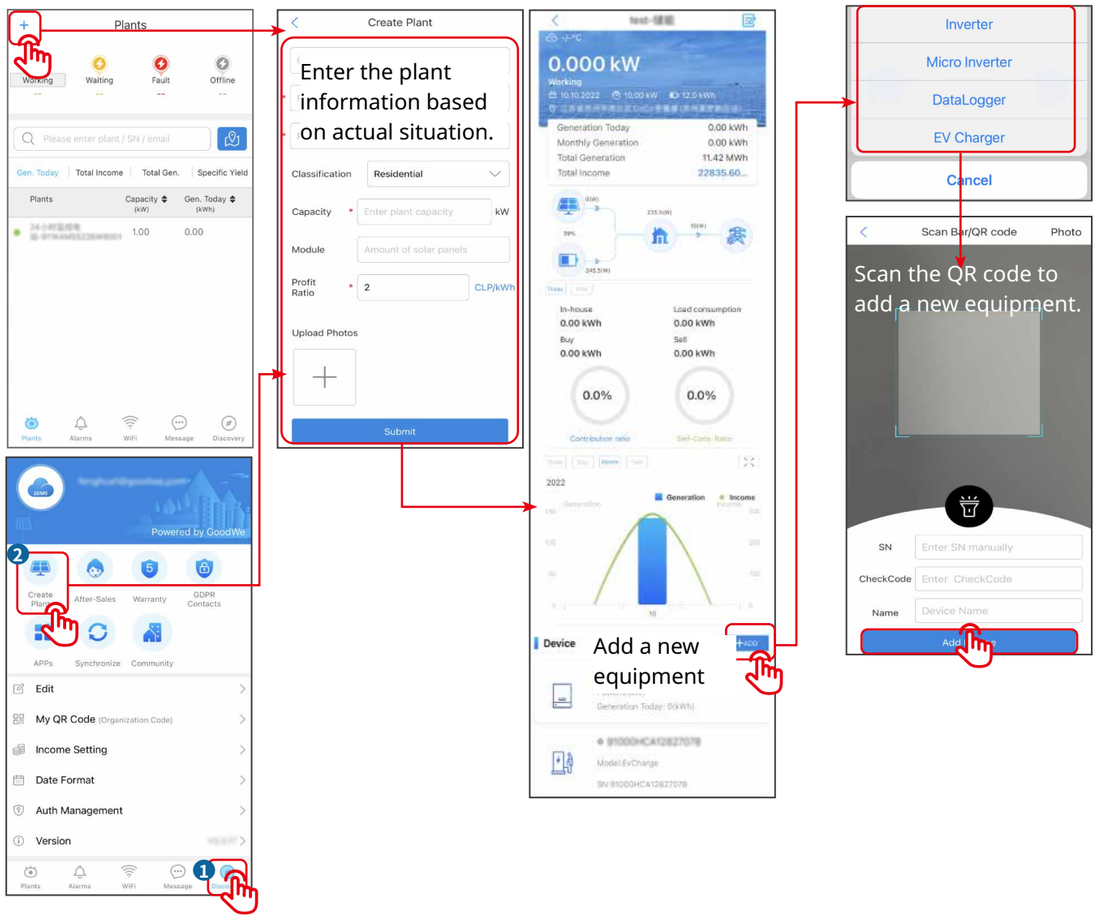
WiFi/LAN Kit-20, Wi-Fi or Ezlink3000





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