GOODWE

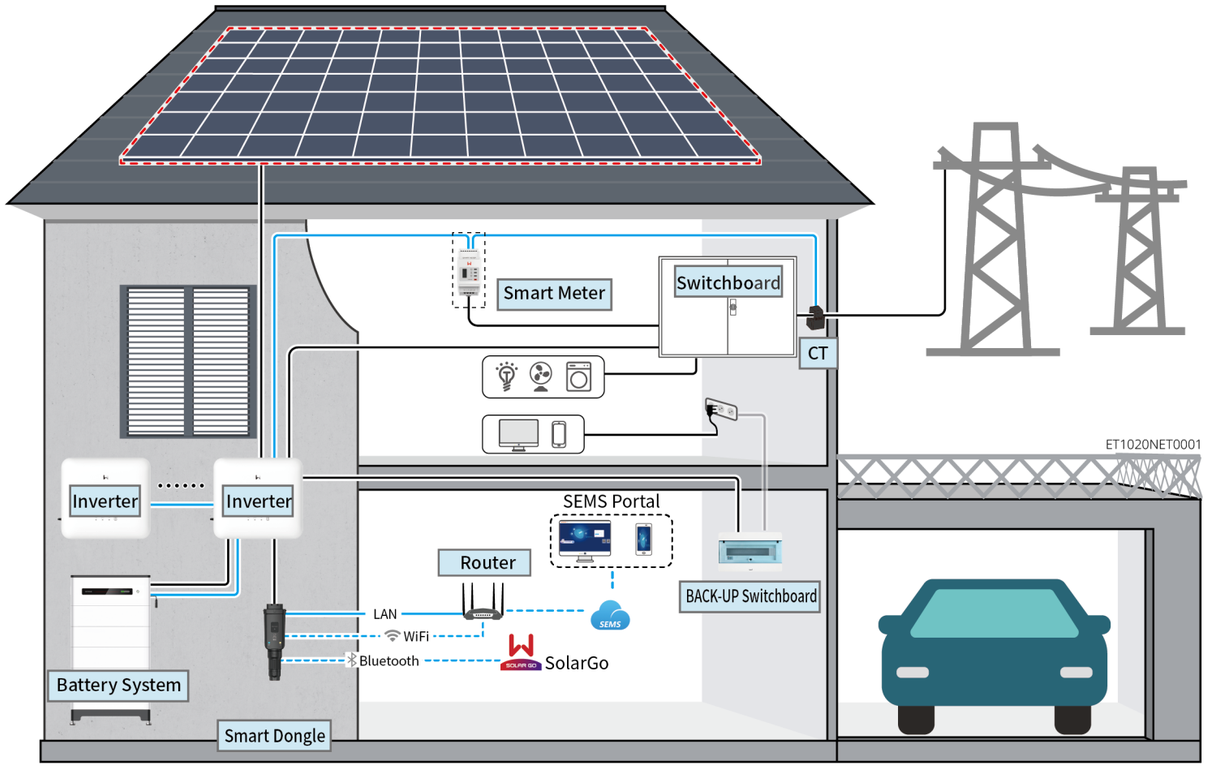
ET 6.0-15.0kW G2 Residential Smart Inverter Solutions Guide

V1.1-2024-08-01

⚠WARNING

The information in this quick guide 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



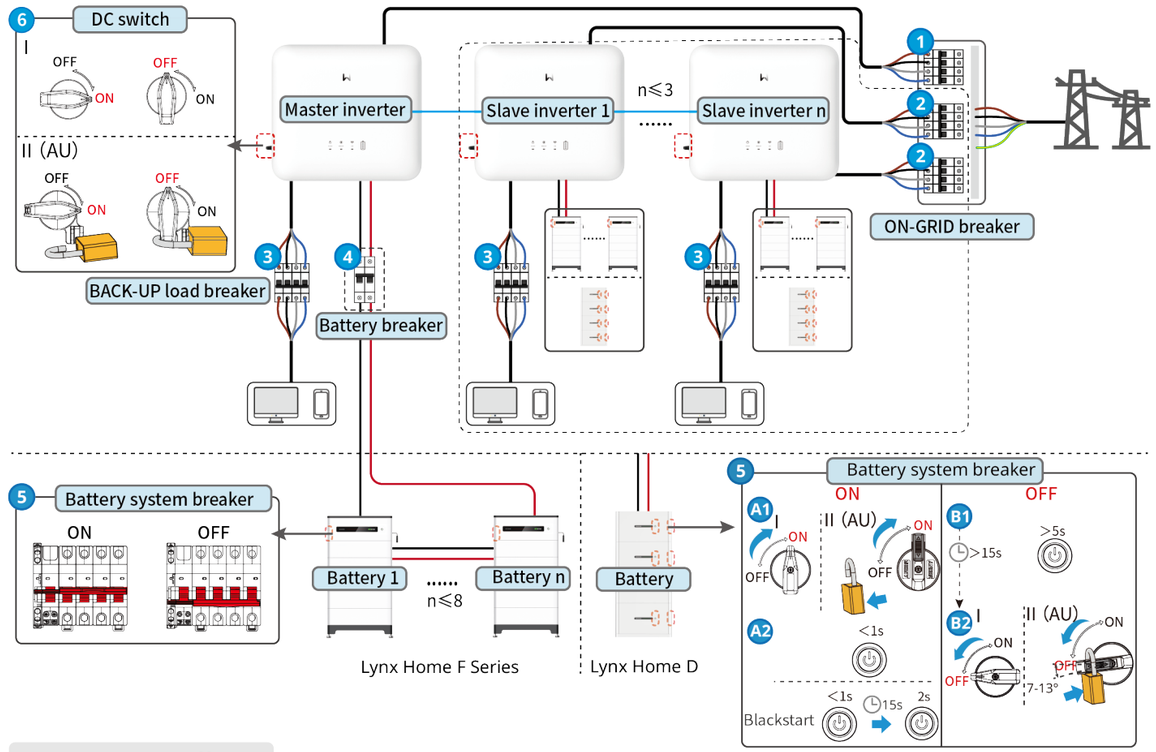
Device	Model			Description
Inverter	GW6000-ET-20, GW8000-ET-20, GW9900-ET-20, GW10K-ET-20, GW12K-ET-20, GW15K-ET-20			A maximum of 4 inverters can be connected in a parallel system. Inverter firmware requirements for parallel connections: • Consistent firmware version • ARM version: 01.389 or above • DSP version: 01.15 or above
Battery system	Lynx Home F G2 LX F9.6-H-20 LX F12.8-H-20 LX F16.0-H-20 LX F19.2-H-20 LX F22.4-H-20 LX F25.6-H-20 LX F28.8-H-20	Lynx Home F Lynx Home F Plus+ LX F6.6-H LX F9.8-H LX F13.1-H LX F16.4-H	Lynx Home D LX D5.0-10	• A maximum of 8 battery systems can be clustered in a system. • Do not mix connect battery systems of different versions.

Device	Model	Description

Smart Meter (Optional)	• GM3000
	• GM330
		• The inverter has a built-in smart meter, and CT cannot be changed.CT ratio: 90A/90mA
		• GM3000: GM3000 and the CT, which cannot be replaced, are included in the inverter package. CT ratio: 120A/40mA.
		• CM330: 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 • Ezlink3000	• In single scenarios, please use WiFi/LAN Kit-20 modules. • 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.

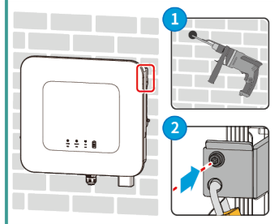
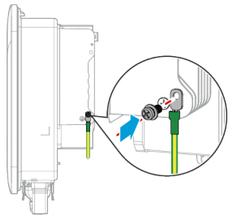
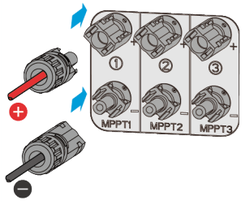
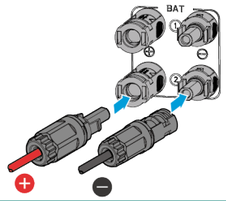
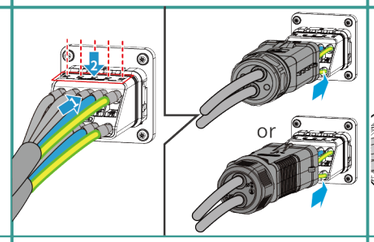
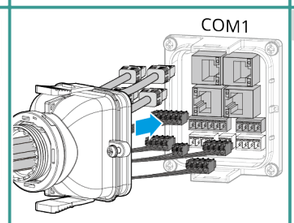
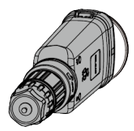
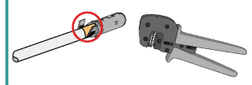
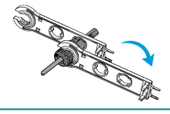
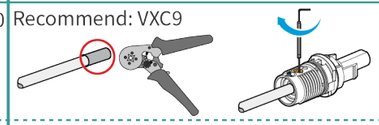
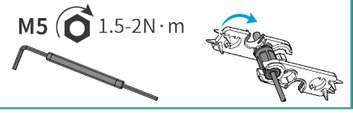
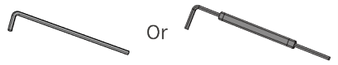
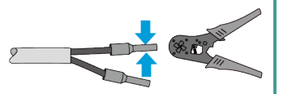
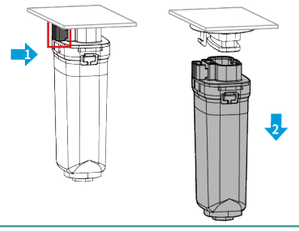
02 Power On/Off

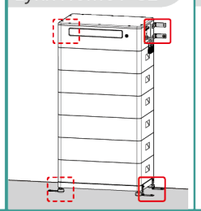
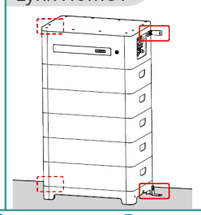
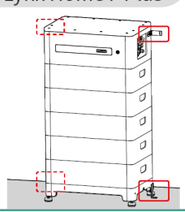
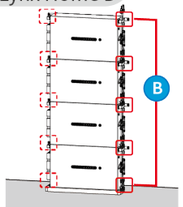
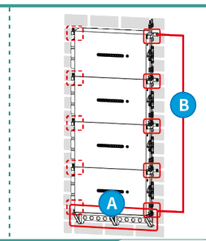
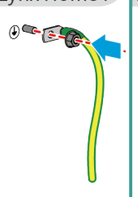
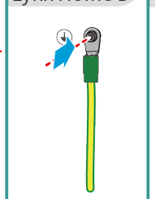
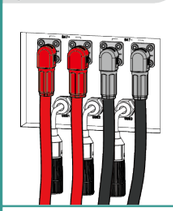
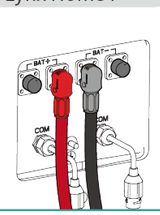
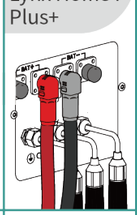
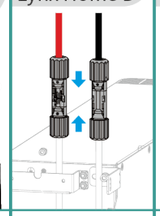
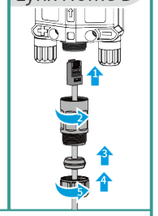
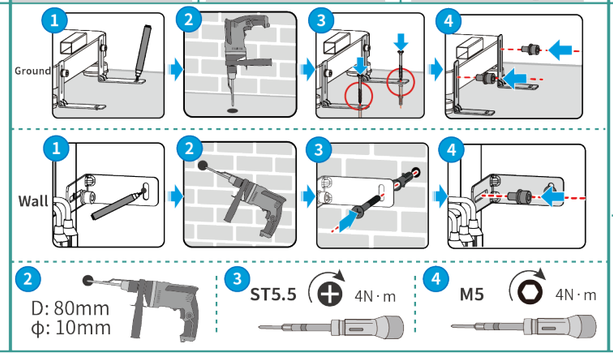
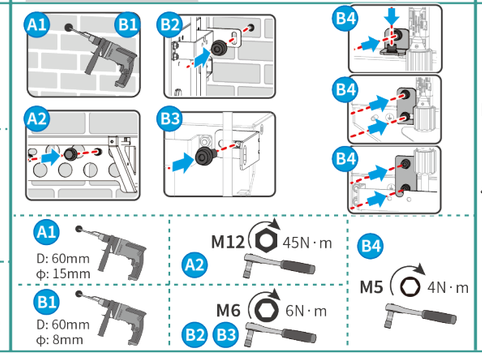
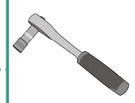
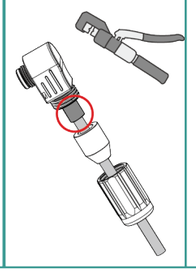
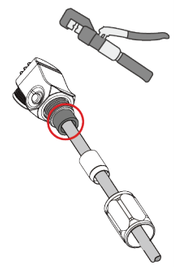
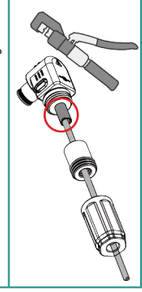
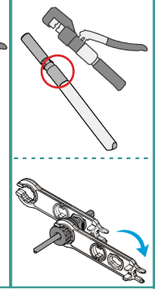


Power on/off

① → ② → ③ → ④ → ⑤ → ⑥

④ : Install or not based on local laws and regulations.

Steps	❶ Installation	❷ PE	❸ PV	❹ Battery	❺ AC	❻ COM	❼ Communication module
Inverter							WiFi/LAN Kit-20  Ezlink3000 
Tools	❶ D: 80mm ϕ: 8mm  ❷ M5 1.2-2N·m 	M5 1.5-2N·m 	Recommend: PV-CZM-61100  	Recommend: VXC9  M5 1.5-2N·m 	❷ M5 1.5-2N·m Or 	 M4 1.5N·m 	

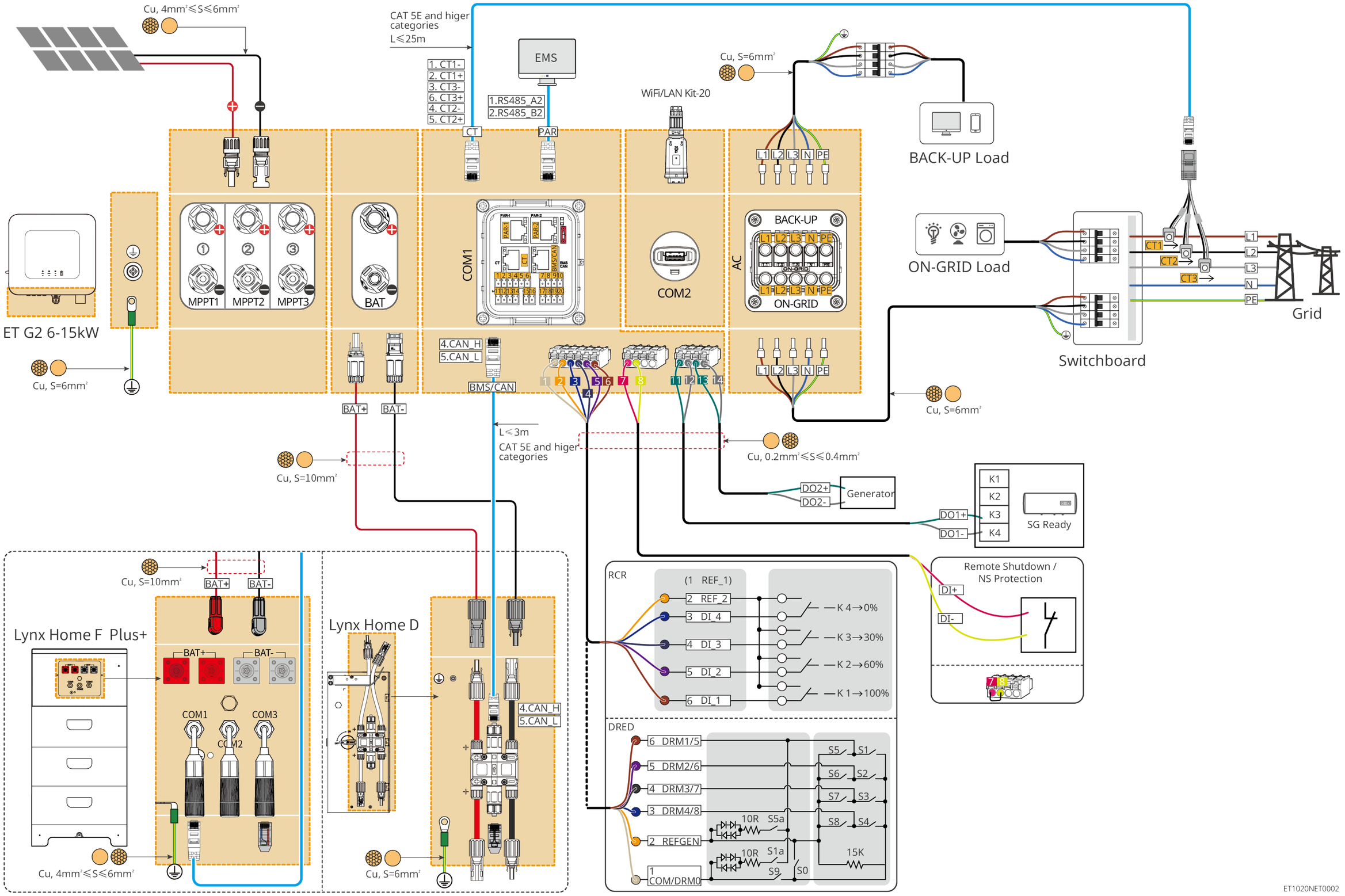
Steps	❶ Installation	❷ PE	❸ Battery	❹ COM
Battery	Lynx Home F G2  Lynx Home F  Lynx Home F Plus+  Lynx Home D  	Lynx Home F  Lynx Home D 	Lynx Home F G2  Lynx Home F  Lynx Home F Plus+  Lynx Home D 	Lynx Home F  Lynx Home D 
Tools	 	M6 6-7N·m  M5 4N·m 	Recommend: YQK-70  Recommend: YQK-70  Recommend: YQK-70  Recommend: YQK-70 	

Steps	❶ Installation	❷ Cable Connections	❸ Power	❹ Commissioning
Smart meter	GM3000 GM330	GM3000 GM330	AC breaker	SolarGo APP SEMS Portal APP or SEMS Portal WEB

ET1020INT0001

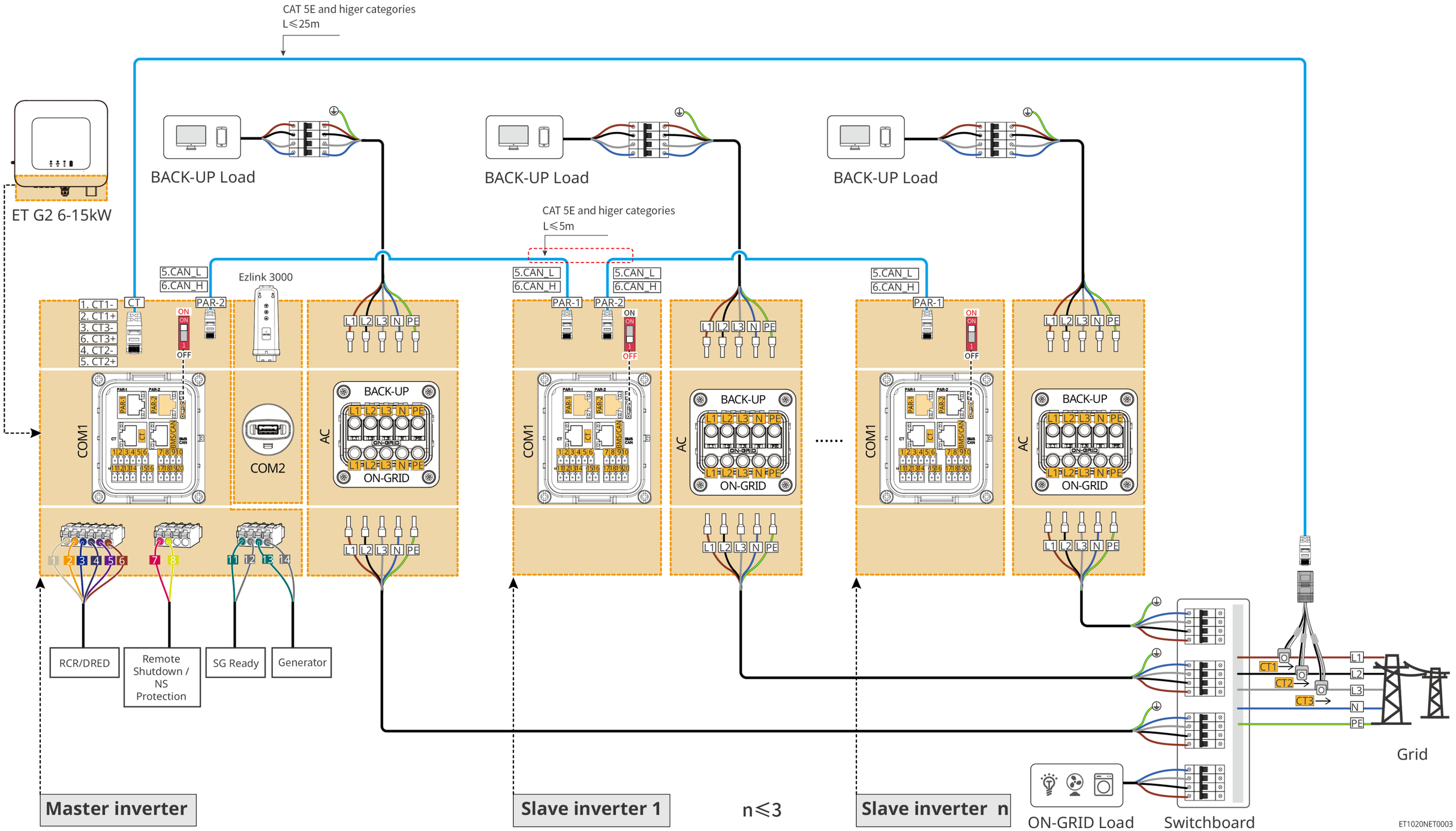
04 Wiring Diagram

ET G2 6-15kW (single) + Lynx Home F or Lynx Home D + WiFi/LAN

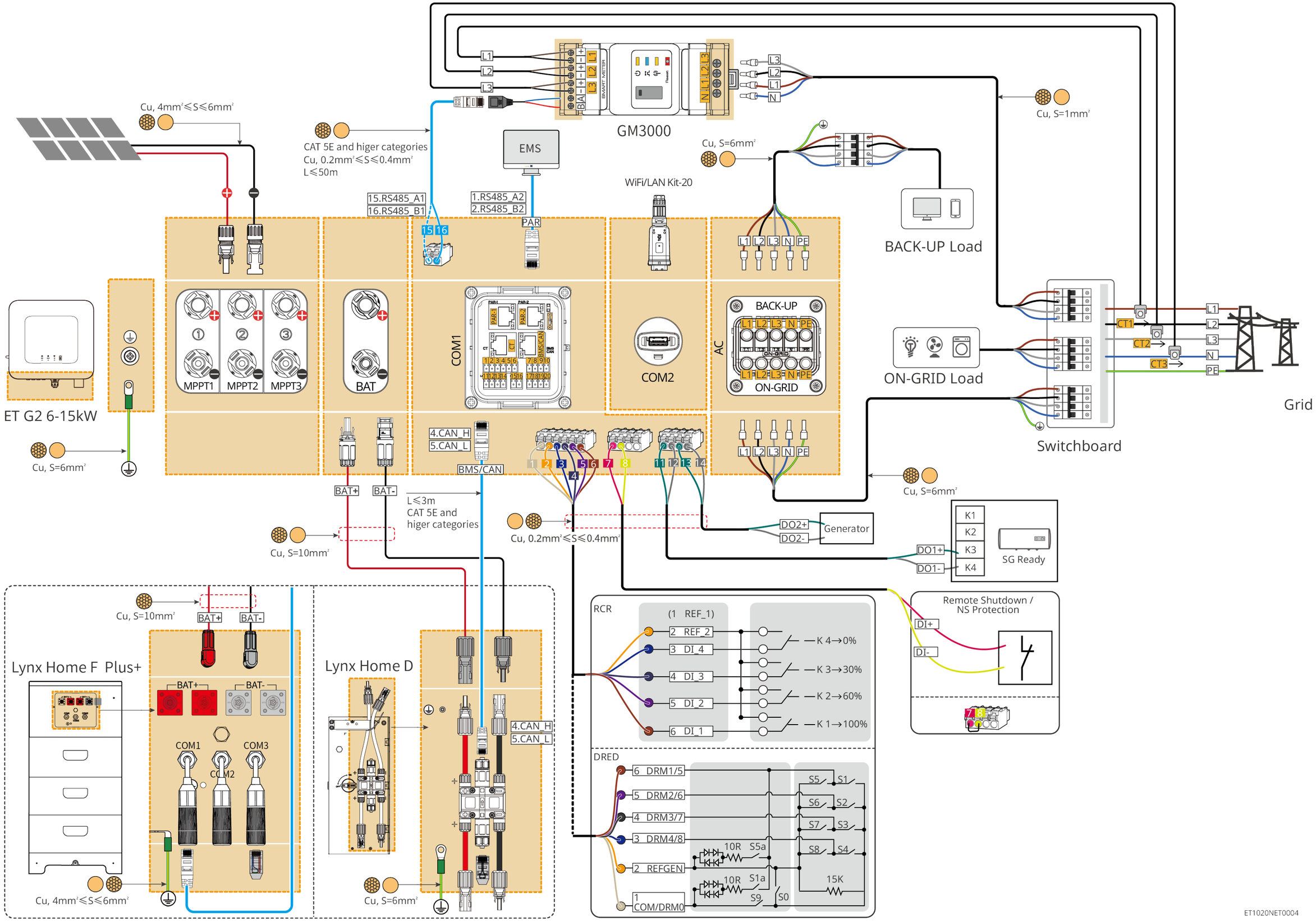


ET1020NET0002

ET G2 6-15kW (parallel connected) + Ezlink3000

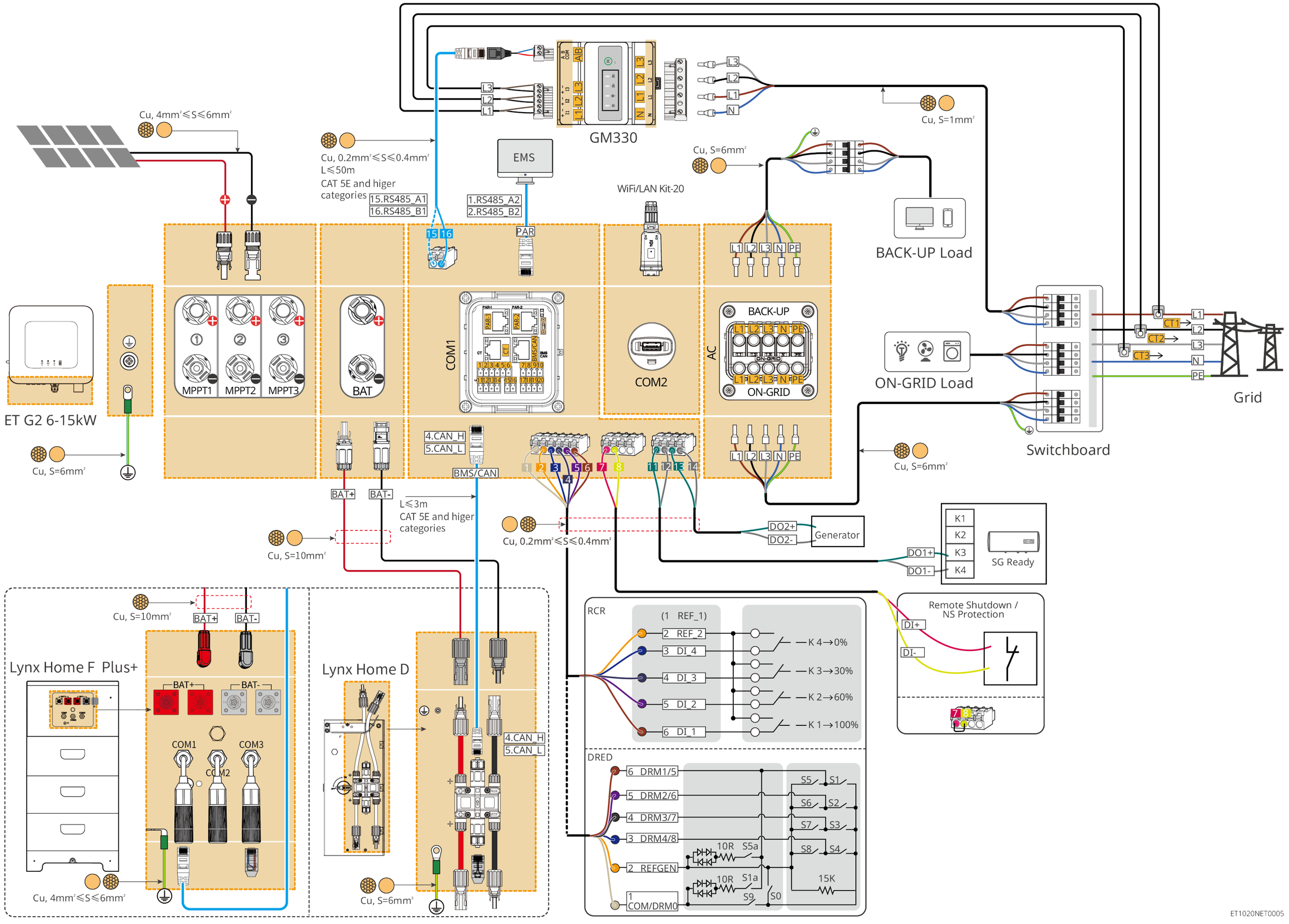


ET G2 6-15kW (single) + Lynx Home F or Lynx Home D + GM3000 + WiFi/LAN



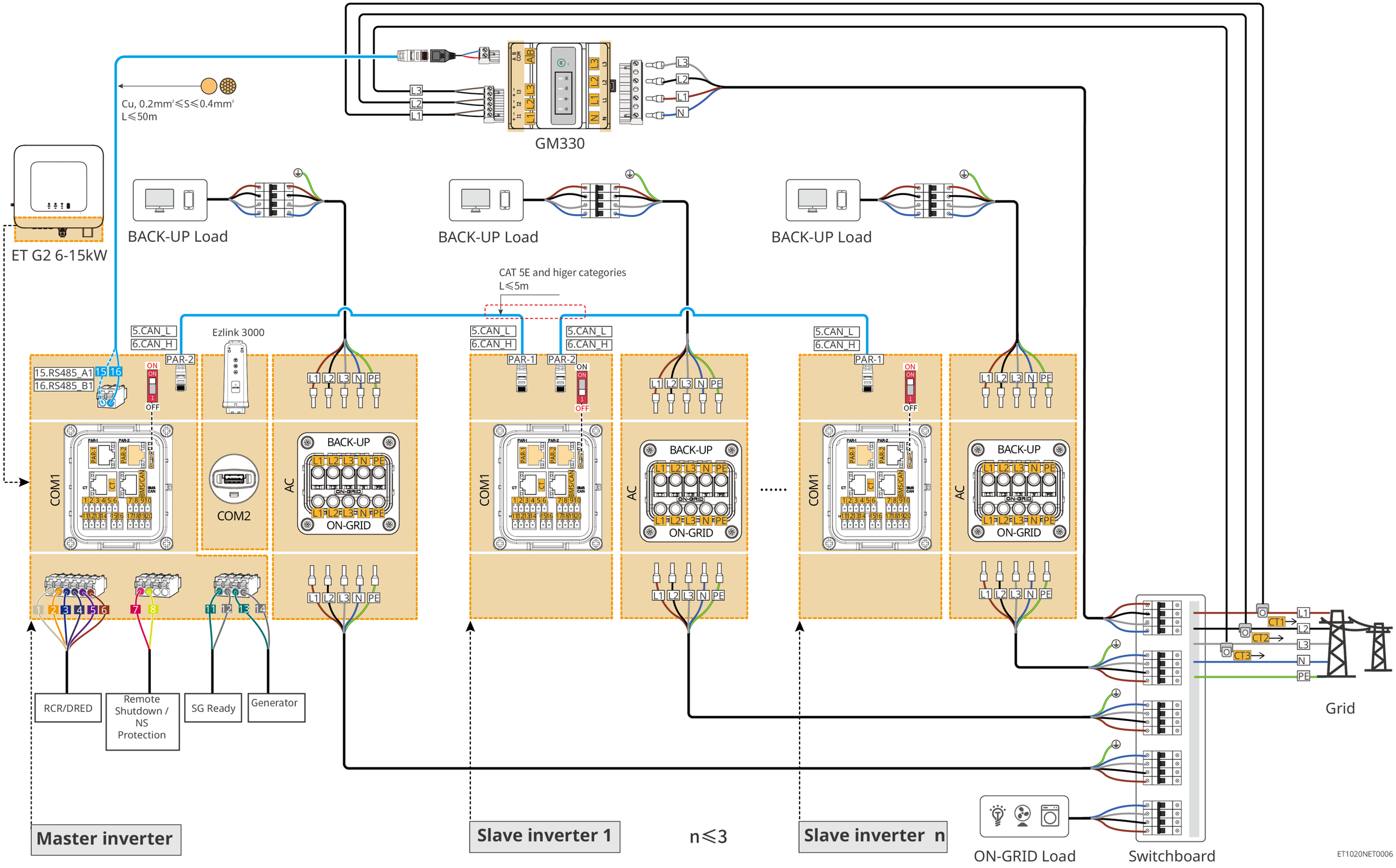
ET1020NET0004

ET G2 6-15kW (single) + Lynx Home F or Lynx Home D + GM330 + WiFi/LAN



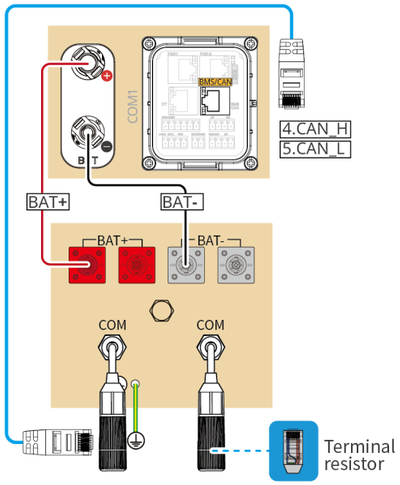
ET1020NET0005

ET G2 6-15kW (parallel connected) + GM330 + Ezlink3000

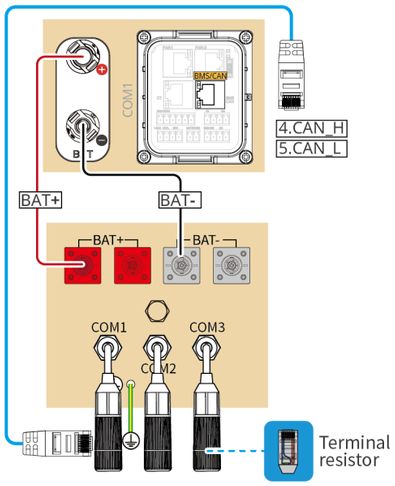


Battery System Wiring Diagram

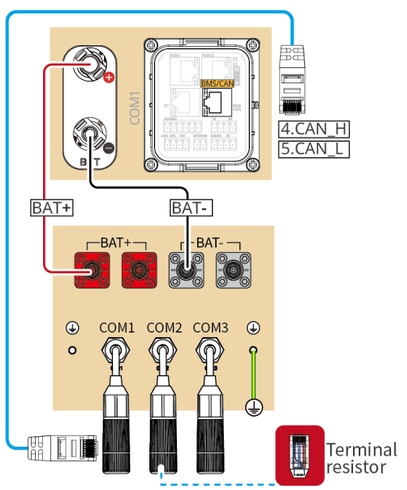
Lynx Home F



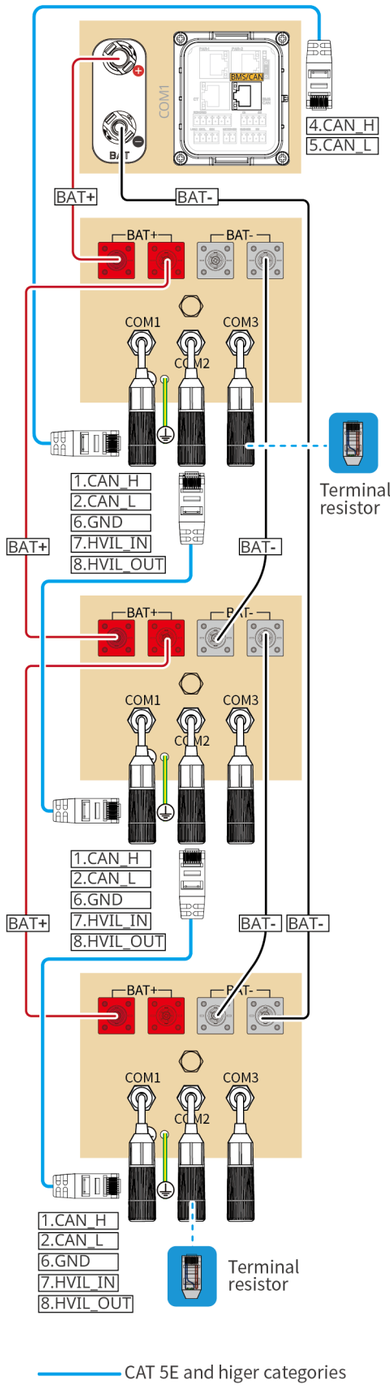
Lynx Home F Plus+



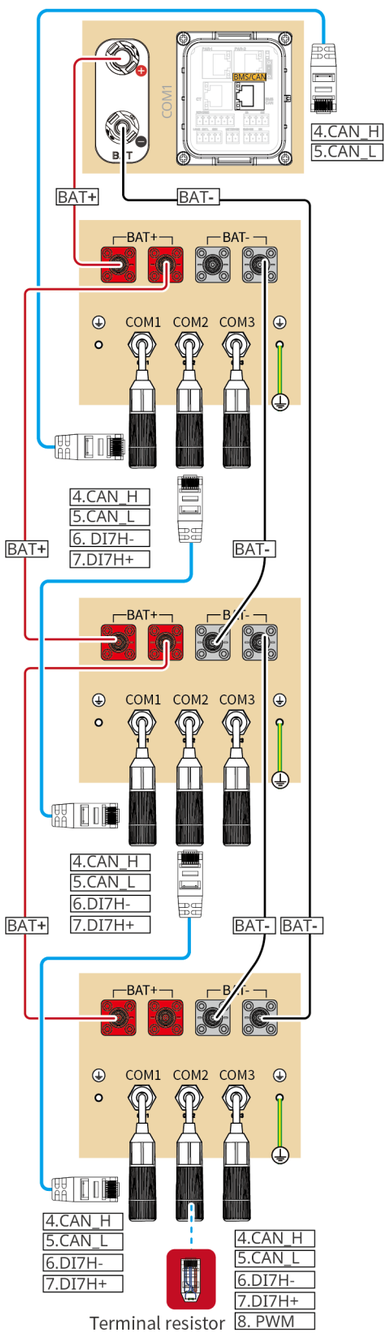
Lynx Home F G2



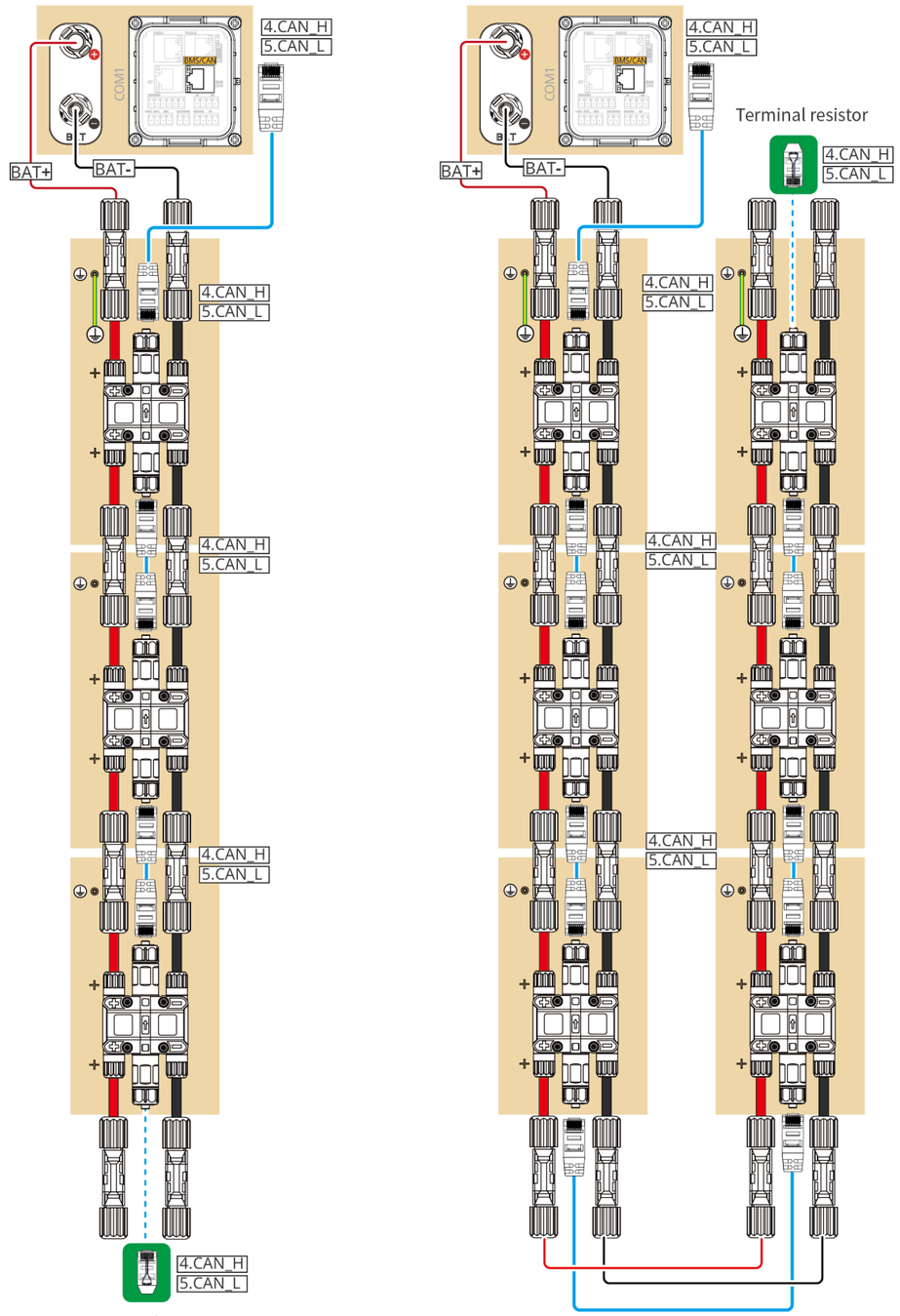
Lynx Home F Plus+



Lynx Home F G2



Lynx Home D



ET1020NET0007

05 Equipment Commissioning

SolarGo app

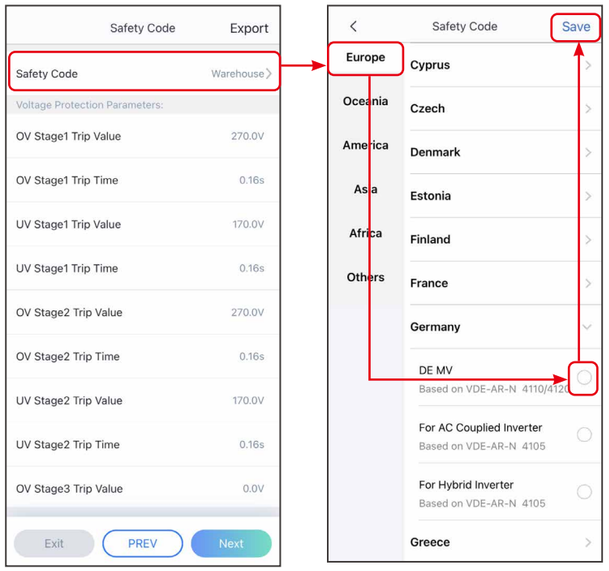
SEMS Portal app

In parallel scenarios, the software version of SolarGo app should be 5.4.0 or above.
Follow the prompts to connect the device.

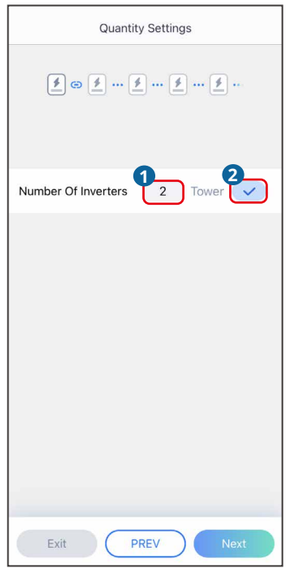
Quick Settings

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

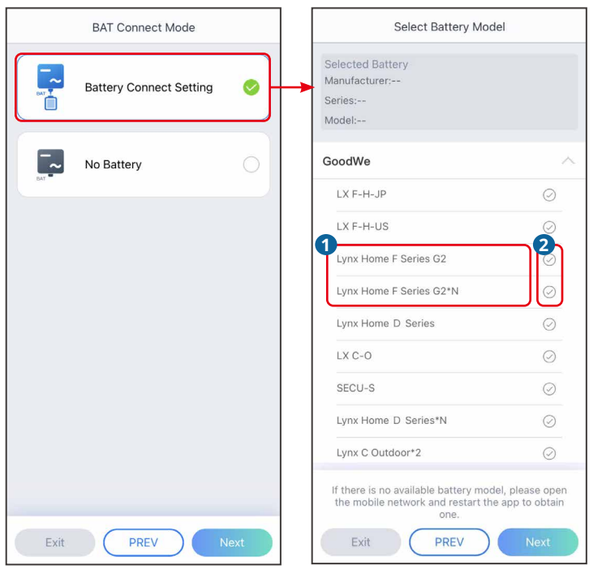
Setting the Safety Code



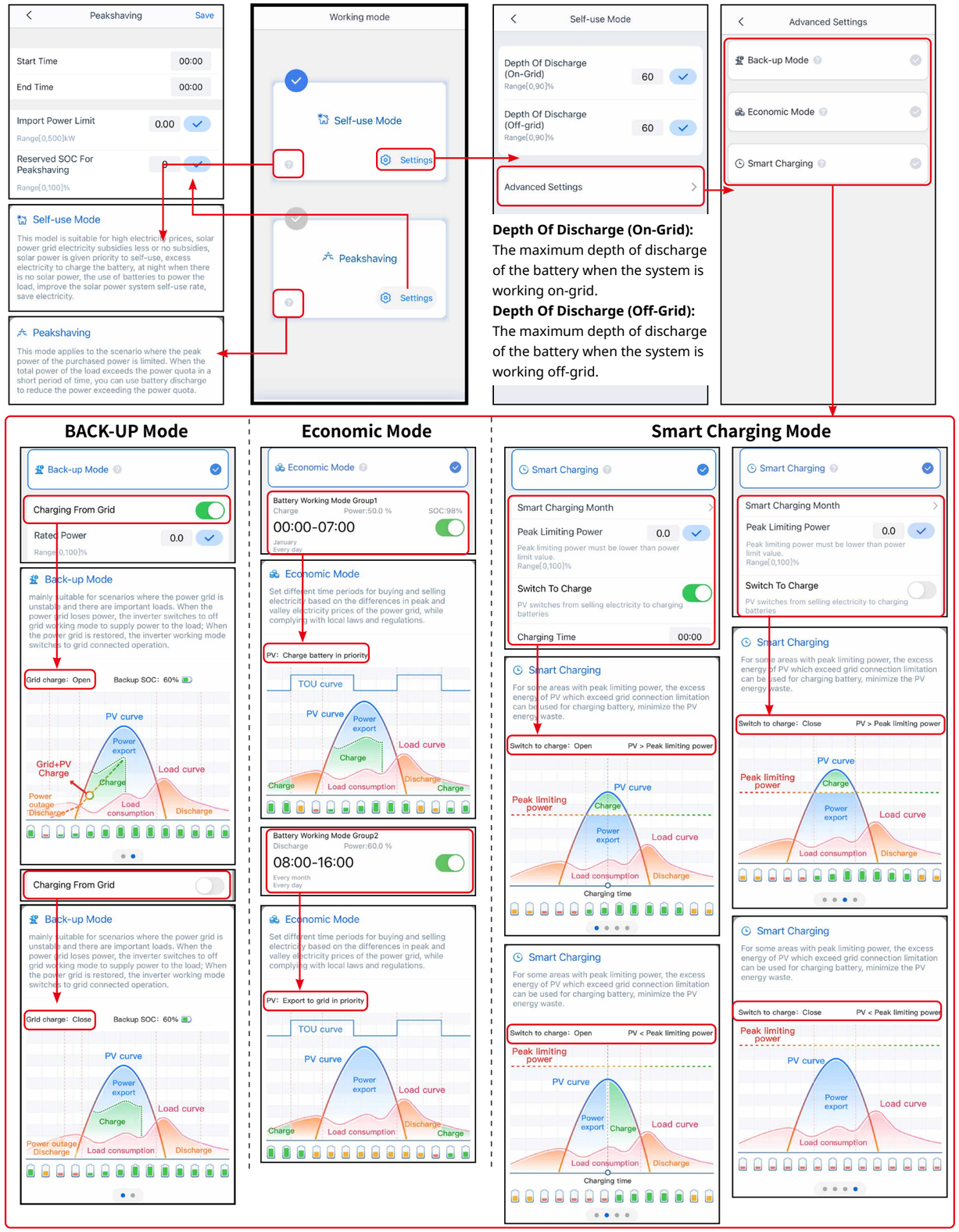
Setting Inverter Quantity (Only For Parallel Connections)



Setting the BAT Connect Mode

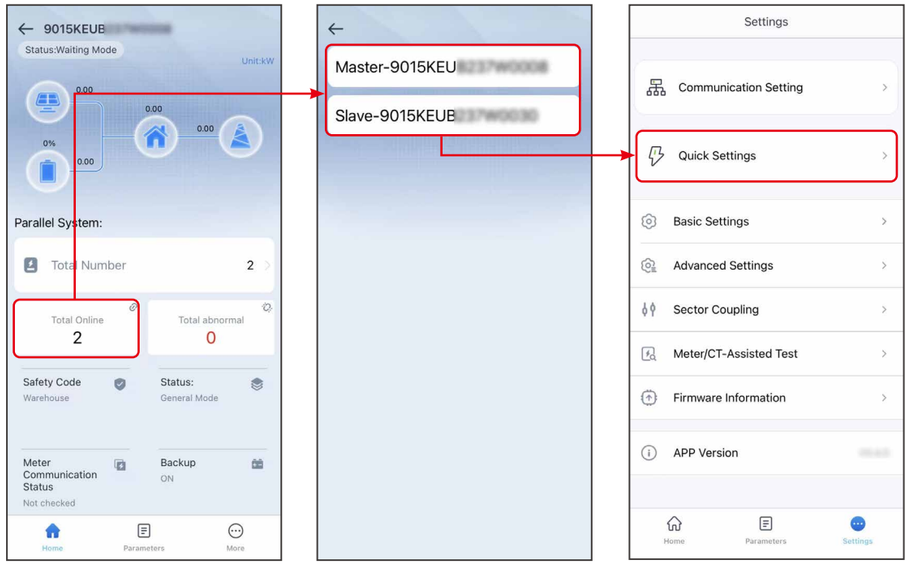


Setting the Working Mode



Setting Batteries Of Each Inverters (Only For Parallel Connections)

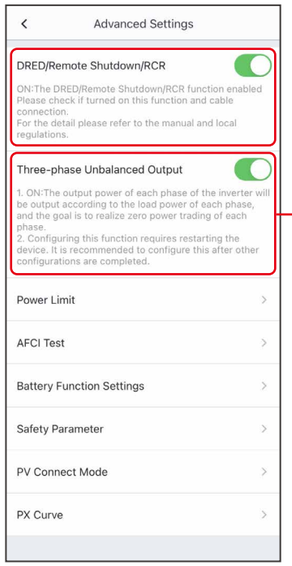
Follow the prompts to set the battery model and connection mode of each inverter.



Setting the Advanced Parameters

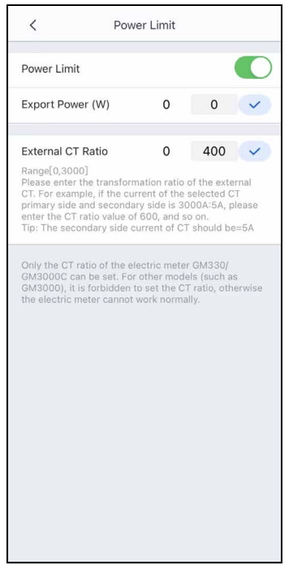
Tap **Home** > **Settings** > **Advanced Settings** to set the following functions.

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.

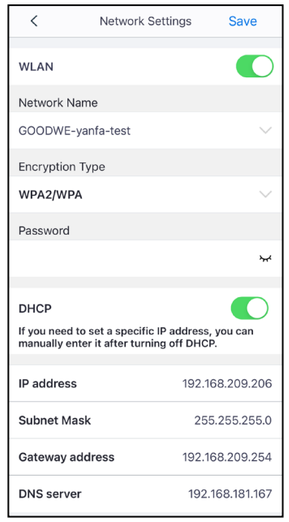
Setting the Power Limit Function

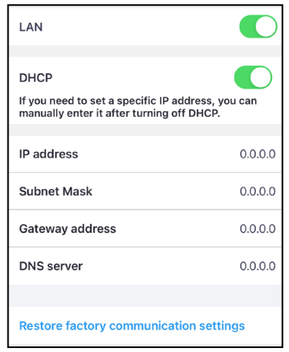


Configuring the Network

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

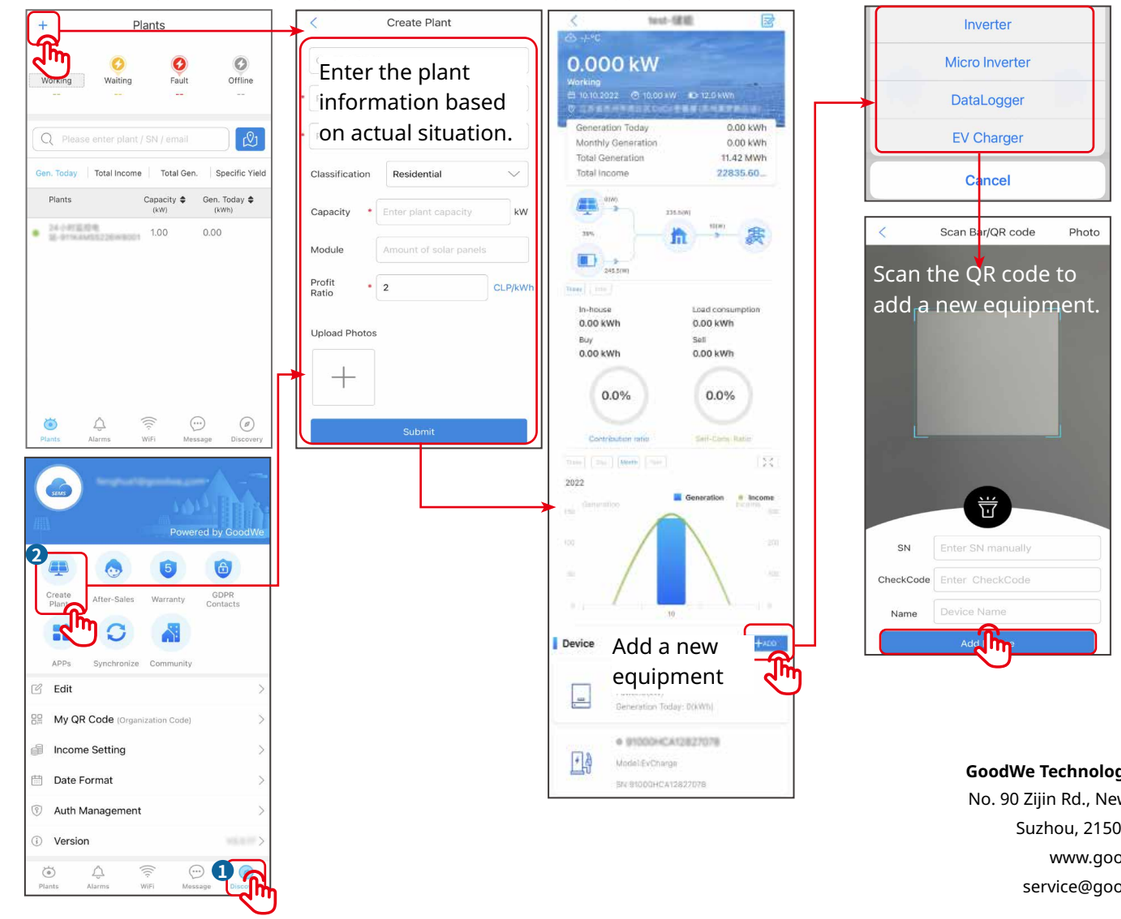
WiFi/LAN Kit-20 or Ezlink3000





Creating a Power Plant

Create power plants and add equipments via SEMS Portal app.



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