

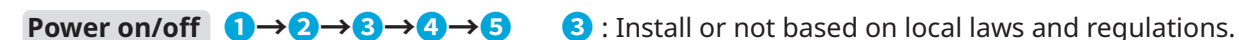
The information in this quick guide is subject to change due to product updates or other reasons. This guide cannot replace the product labels or the safety precautions in the user manual unless otherwise specified. All descriptions in the manual are for guidance only.

The diagram illustrates a smart home energy system. It features a house with solar panels on the roof, connected to two inverters and a battery system. A smart meter and switchboard are shown, along with a CT (Current Transformer) and a BACK-UP Switchboard. The system is connected to a grid via a power line. A Smart Dongle is connected to the system via WiFi, LAN, Bluetooth, and 4G. The Smart Dongle is also connected to a Router, which is connected to a SEMS Portal. The SEMS Portal is connected to a SolarGo system. An EV Charger is shown connected to the BACK-UP Switchboard. The diagram is labeled with various components and their connections.

1

02 Power On/Off

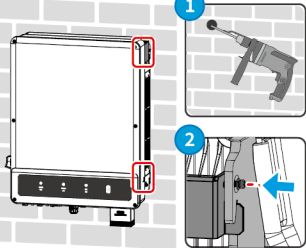
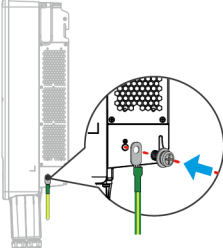
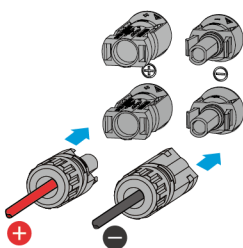
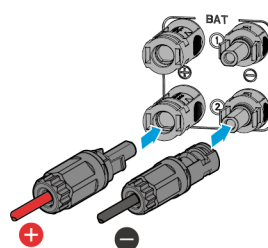
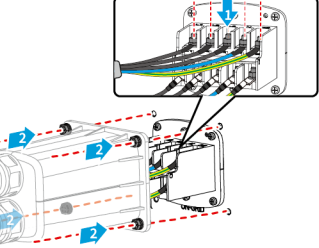
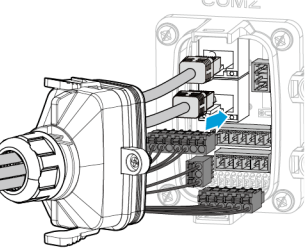

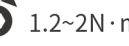




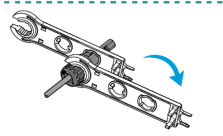

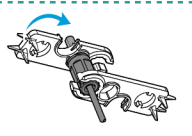




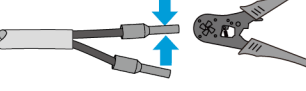


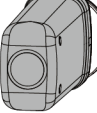
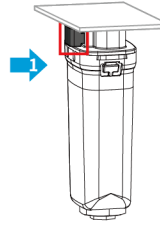
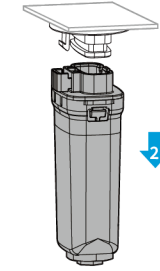
Single Inverter System

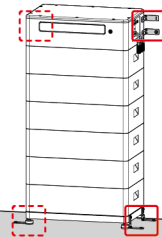


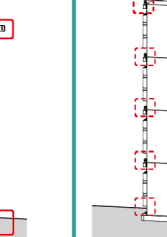
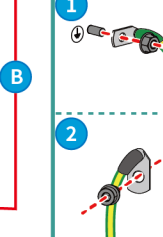
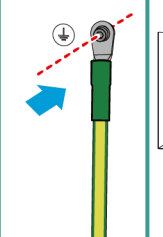
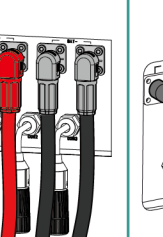
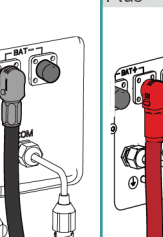
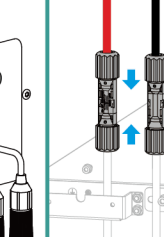
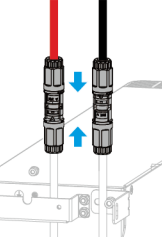
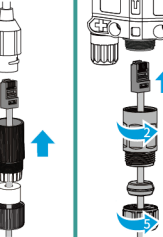

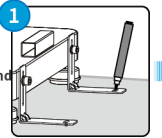
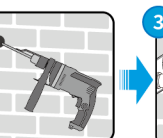
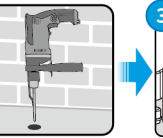
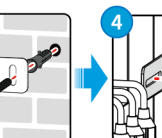
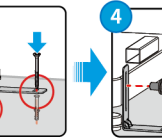
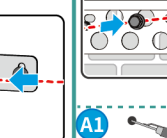
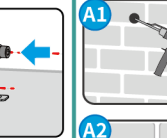
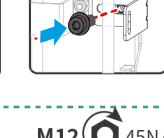
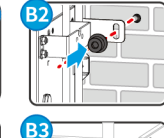
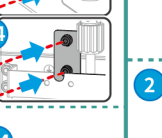
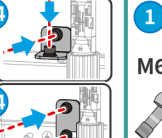
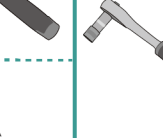

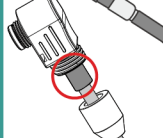

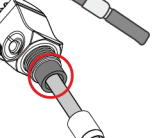

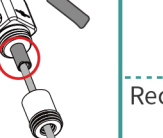
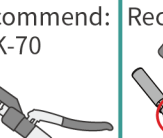



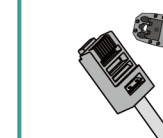


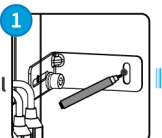
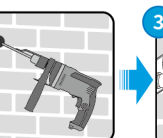
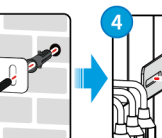
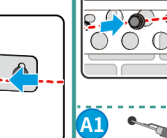
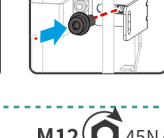
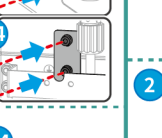
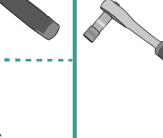
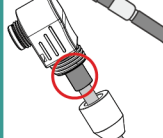
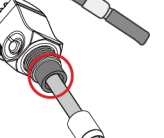
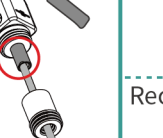





Inverter Parallel System



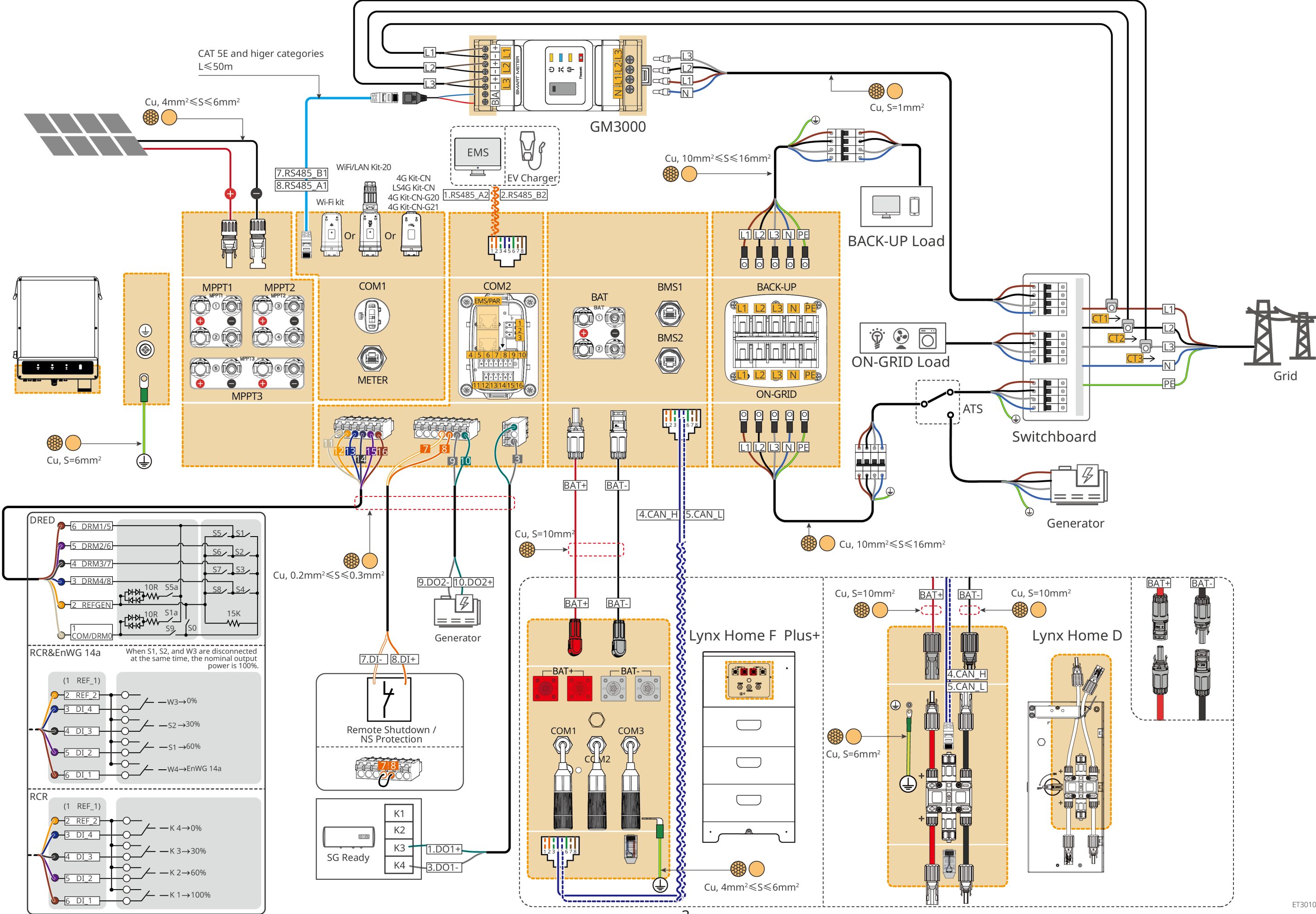
03 Installations

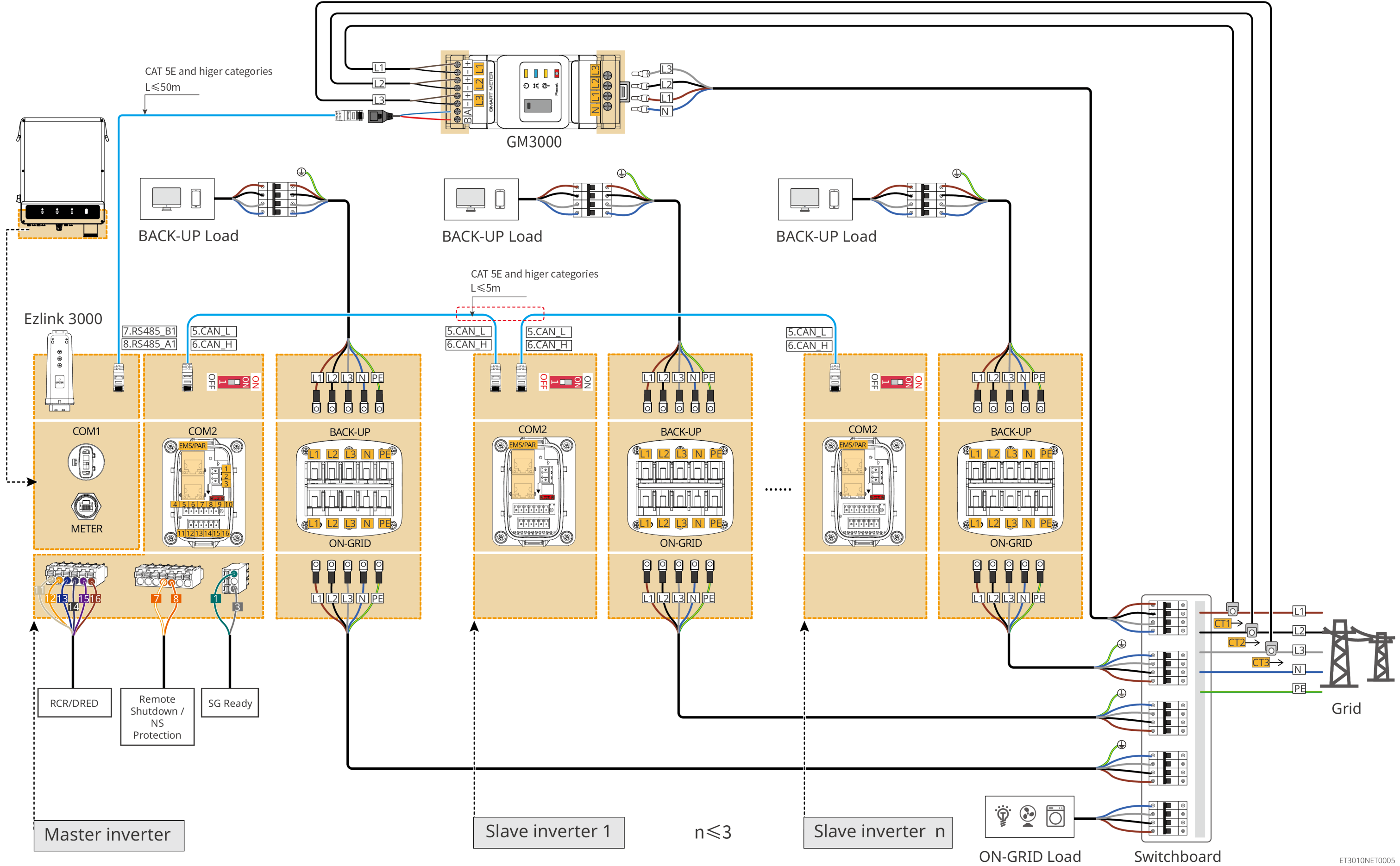
Steps	1 Installation	2 PE	3 PV	4 Battery	5 AC	6 COM	7 Communication module		
Inverter							Wi-Fi Kit	WiFi/LAN Kit-20	Ezlink3000
Tools	<div>1 D: 80mm φ: 8mm </div> <div>2 M5  1.2~2N·m </div>	M5  1.2~2N·m 	Recommend: PV-CZM-61100  	Recommend: VXC9  	<div>1 M5  2~3N·m </div> <div>2 M6  3~4N·m </div>	 M4  1.5N·m 	4G Kit-CN LS4G Kit-CN 4G Kit-CN-G20 4G Kit-CN-G21 	 2	 2

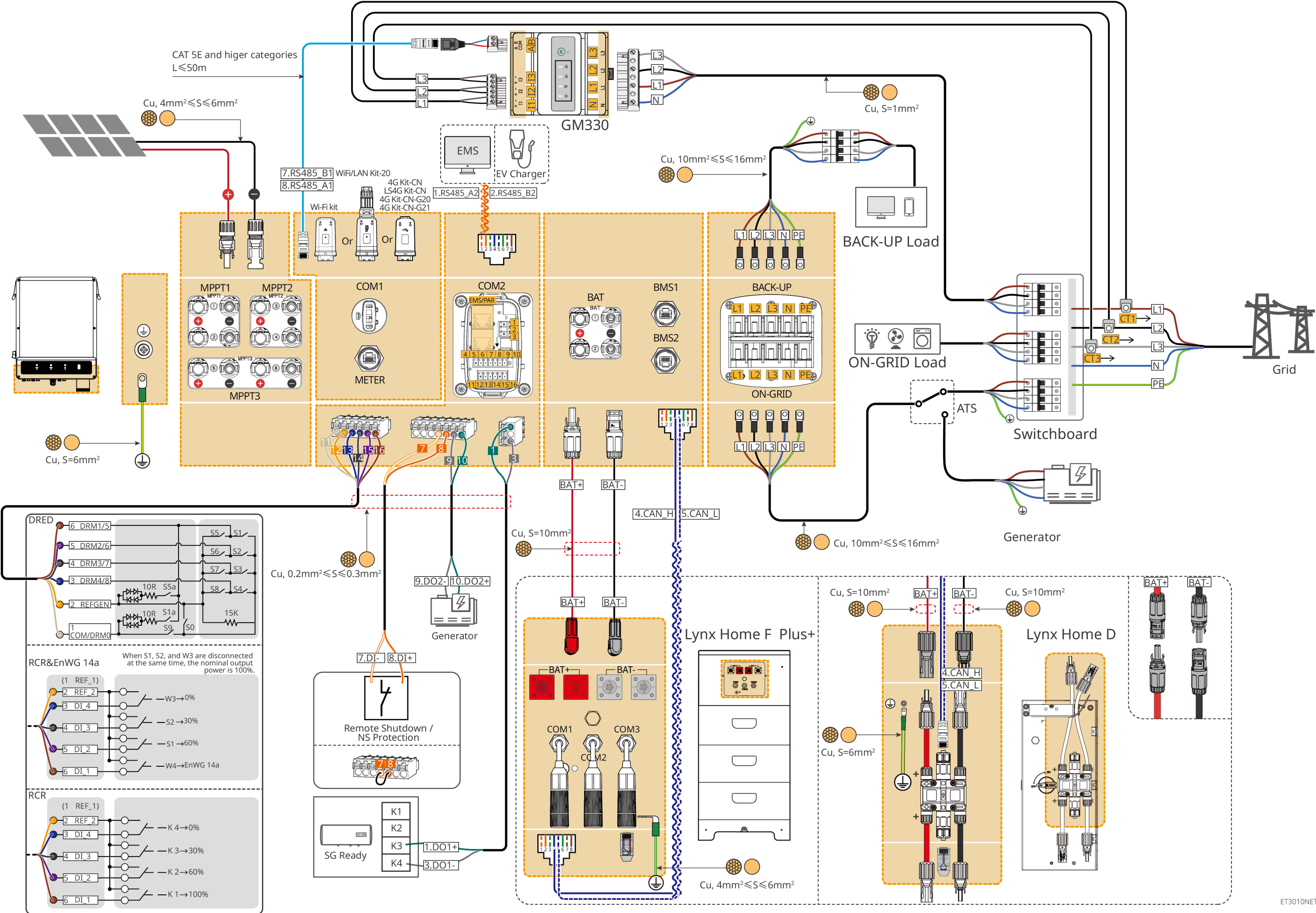
Steps	1 Installation				2 PE		3 Battery				4 COM			
Battery	Lynx Home F G2	Lynx Home F	Lynx Home F Plus+	Lynx Home D			Lynx Home F	Lynx Home D	Lynx Home F G2	Lynx Home F	Lynx Home F Plus+	Lynx Home D	Lynx Home F	Lynx Home D
														
Tools	 Ground  Wall	 	 	 	 	 	 	 	 	 	 	 	 	
	 D: 80mm φ: 10mm	 ST5.5 4N·m	 M5 4N·m	 M5 4N·m	 M12 45N·m	 M6 5N·m	 M5 4N·m	 M5 4N·m	 M5 4N·m	 M5 4N·m	 M5 4N·m	 M5 4N·m	 M5 4N·m	 M5 4N·m

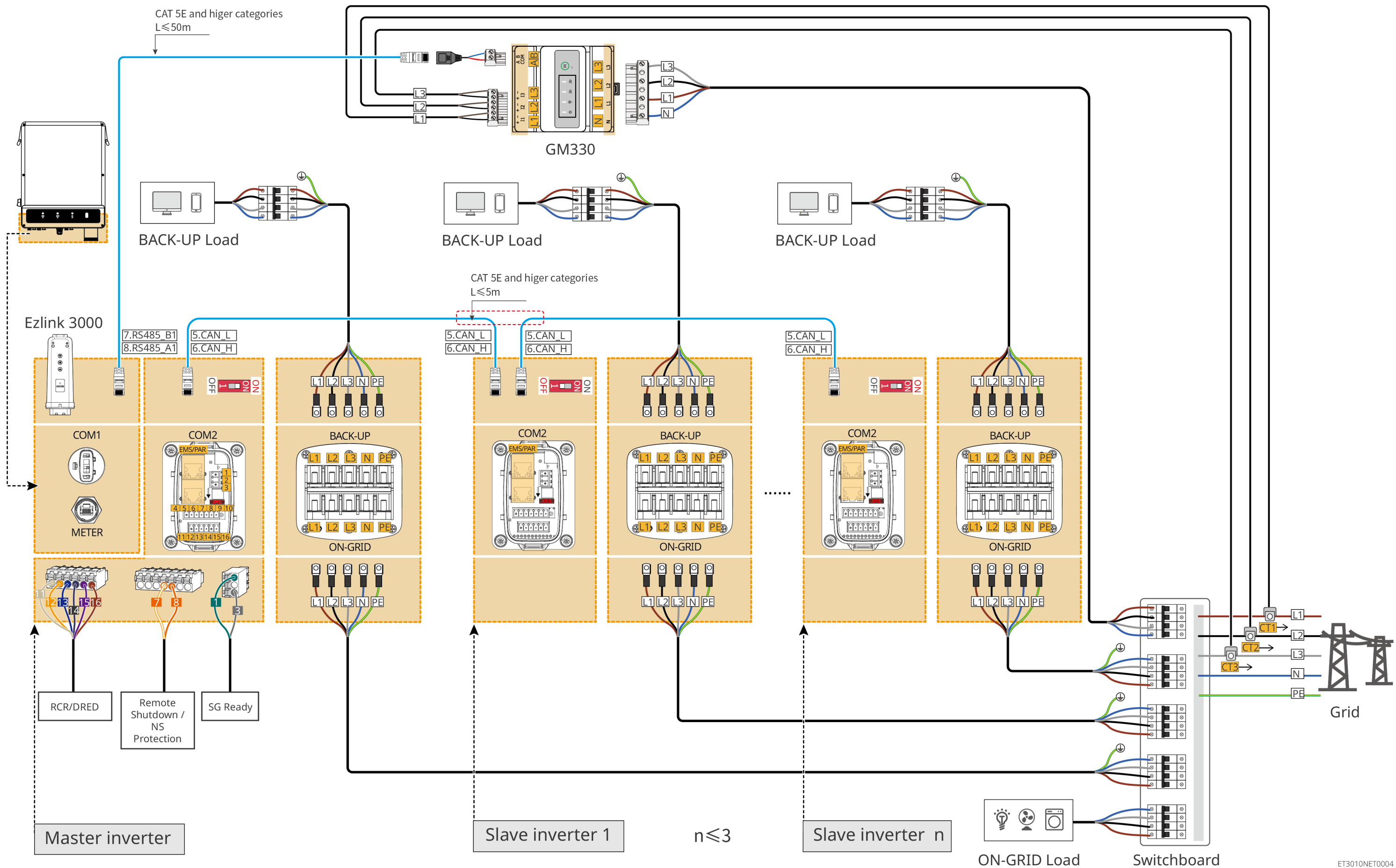
04 Wiring Diagram

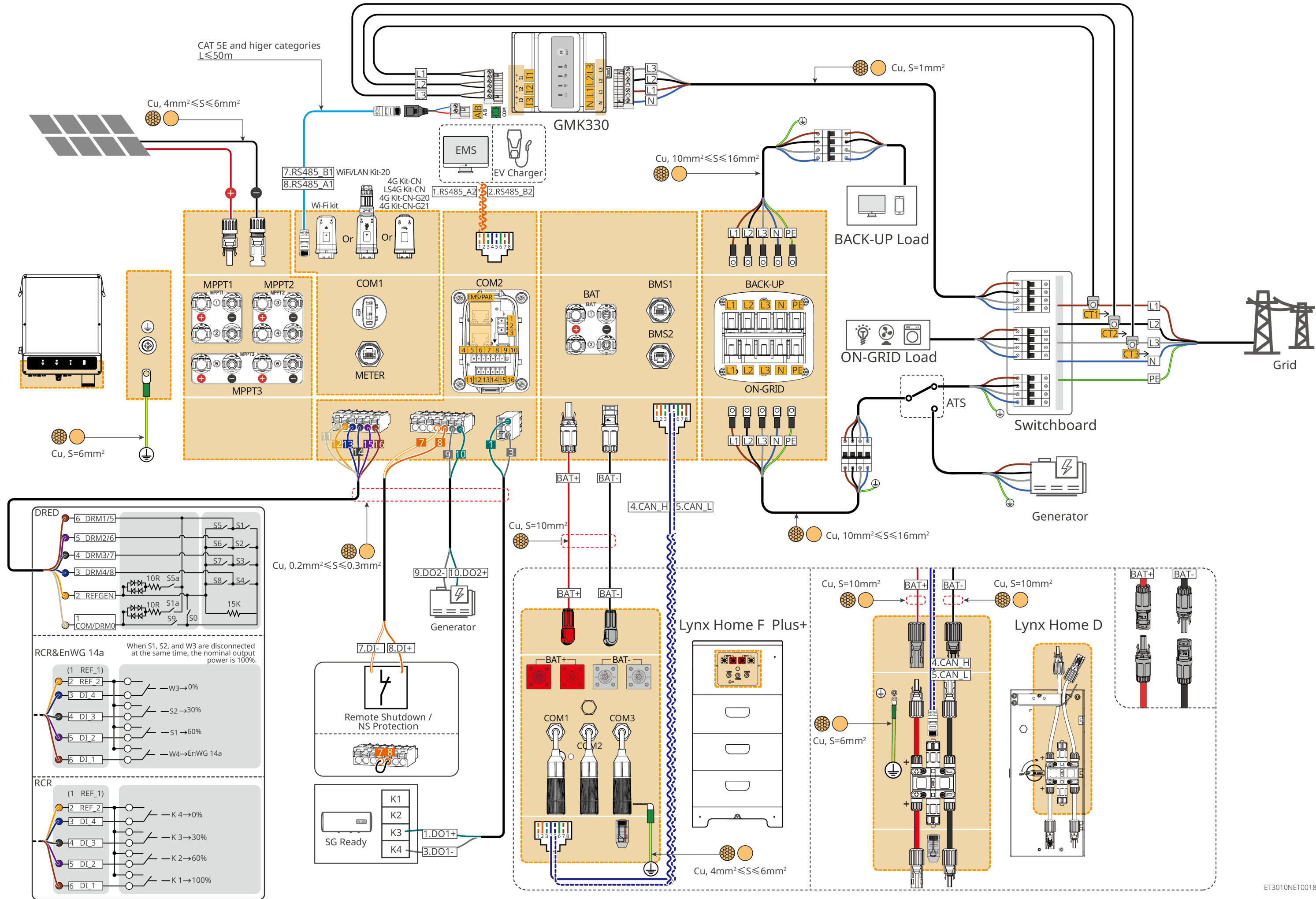
ET 12-30kW (single) + Lynx Home F or Lynx Home D + GM3000 + WiFi/LAN/4G



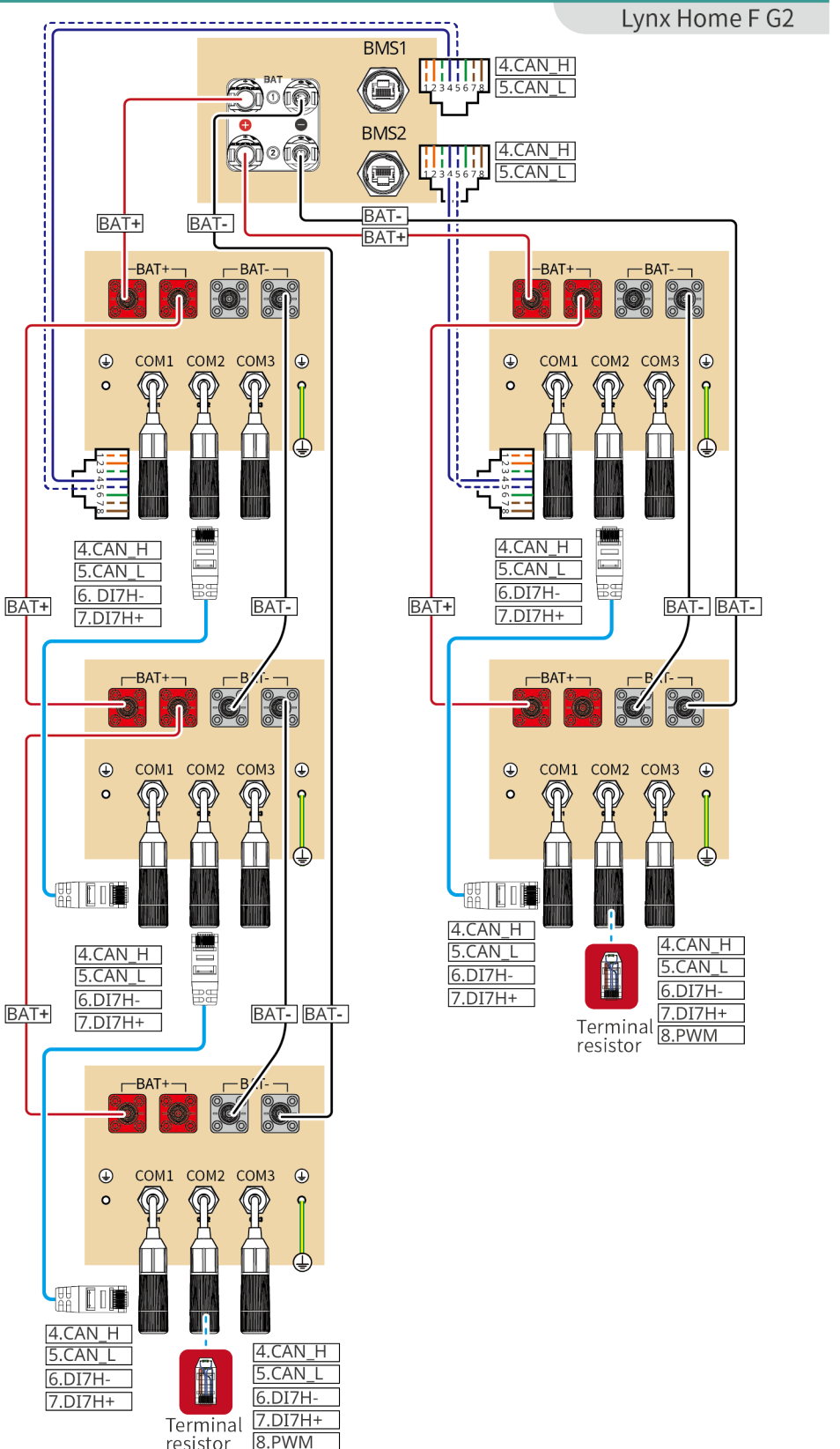
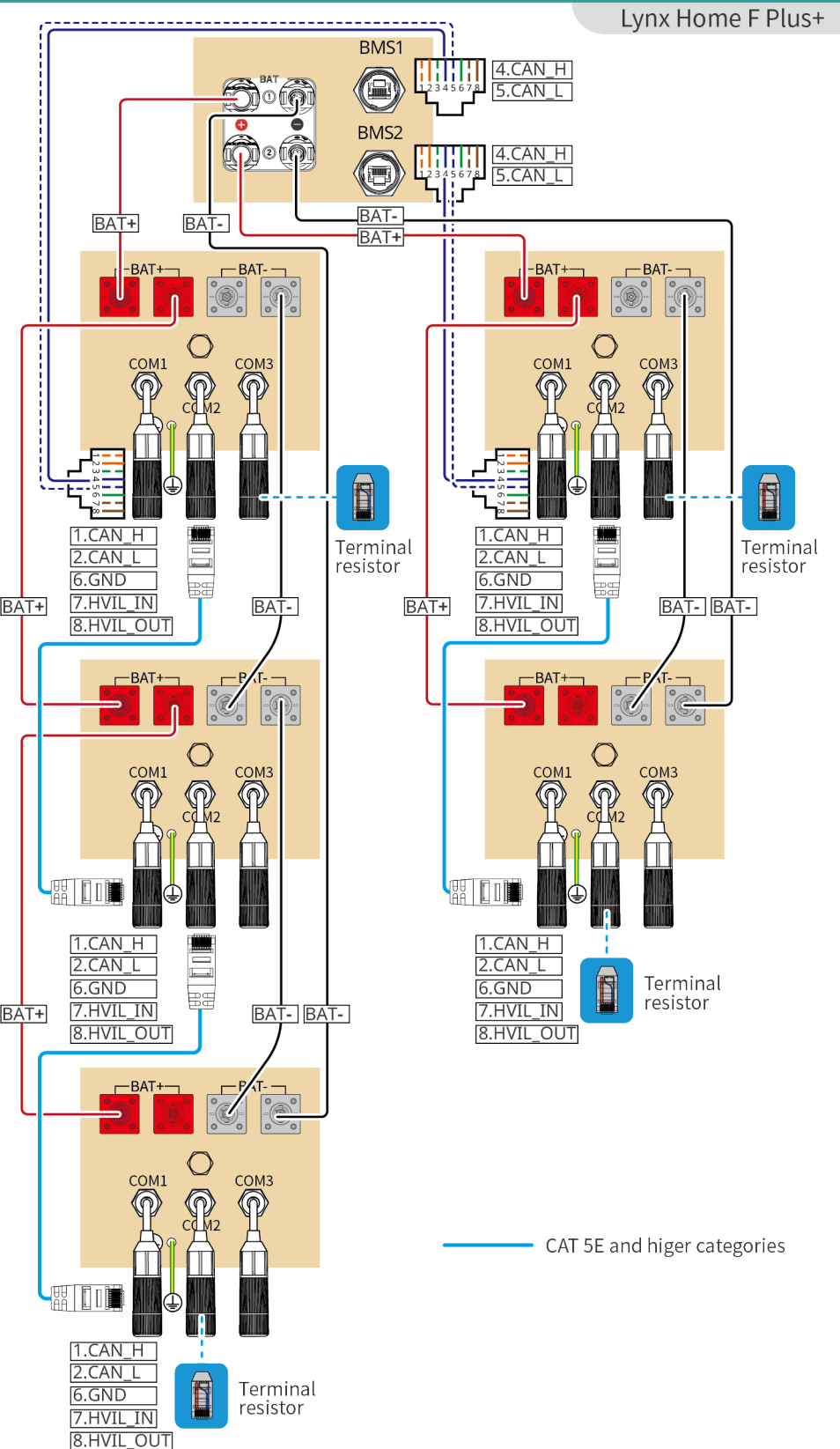
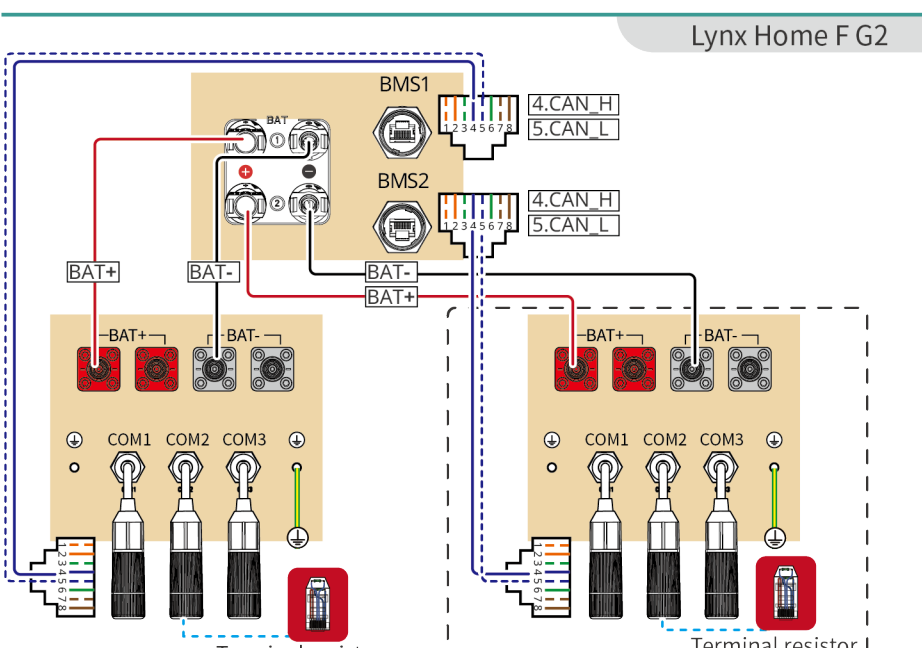
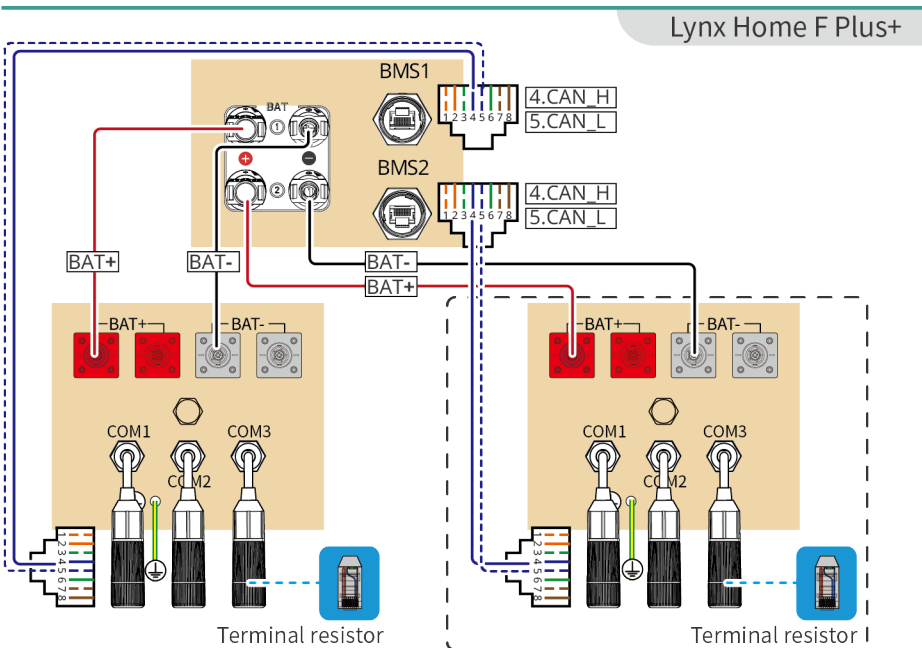
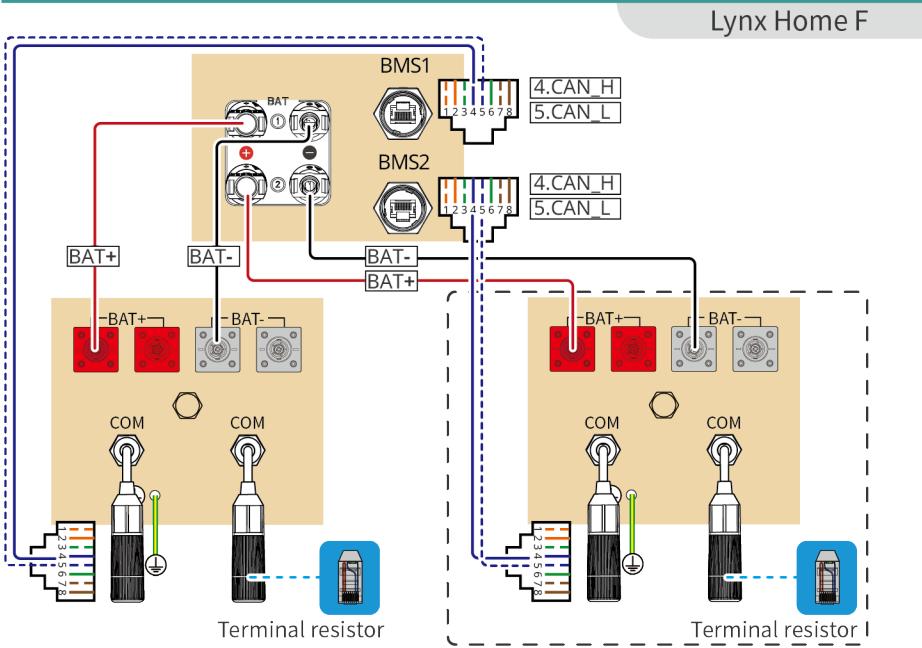




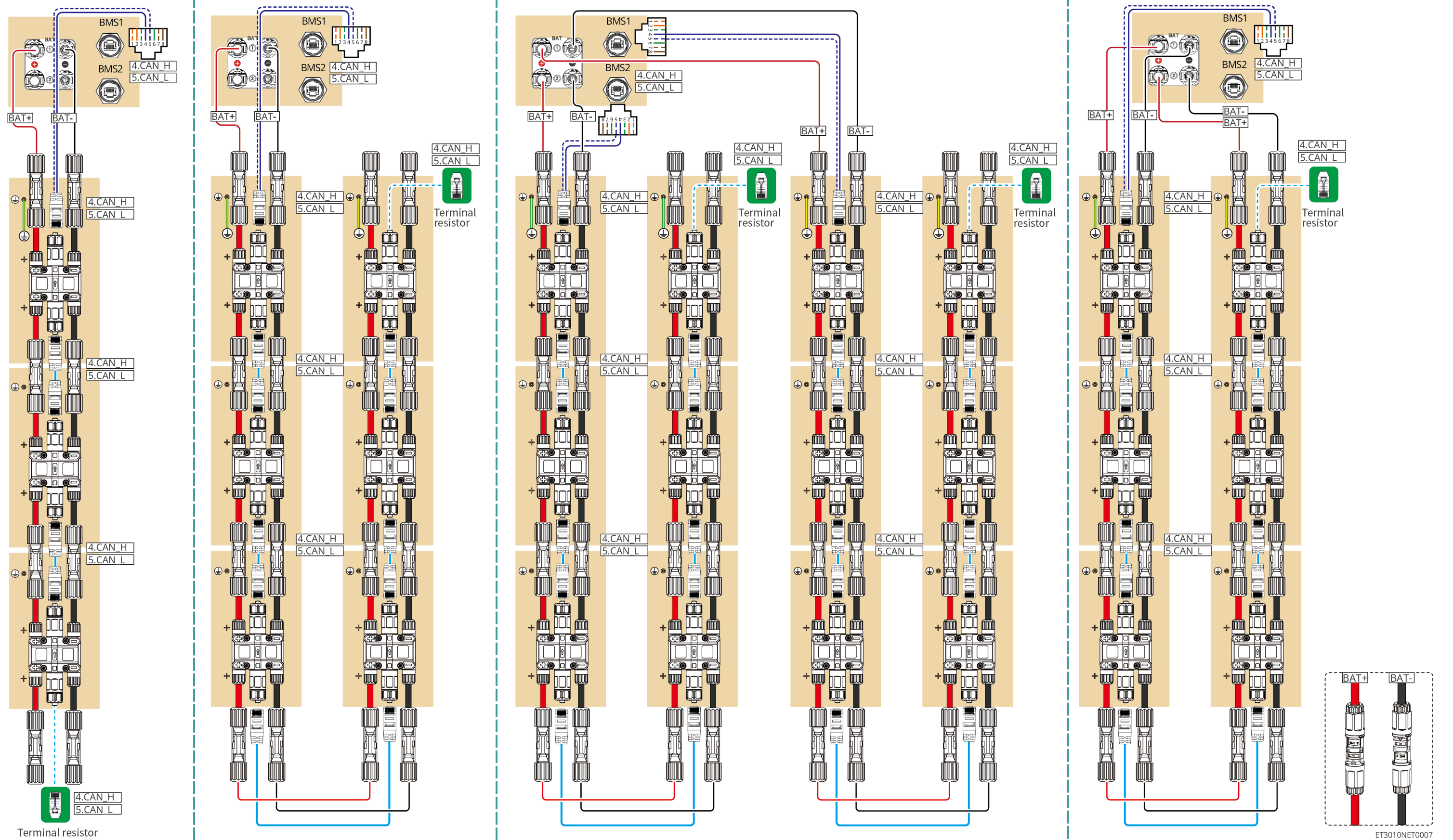




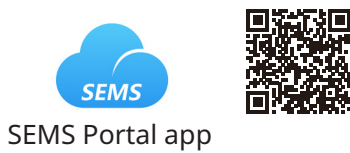
Battery System Wiring Diagram



Battery System Quantity	Quantity Of Battery Systems Connected To BAT1	Quantity Of Battery Systems Connected To BAT2	Battery Quantity	Quantity Of Battery Systems Connected To BAT1	Quantity Of Battery Systems Connected To BAT2
1	1	0	2	1	1
3	2	1	4	2	2
5	3	2	6	3	3
7	4	3	8	4	4
N	$(N+1)/2$	$(N-1)/2$	M	$M/2$	$M/2$
15	8	7	16	8	8



05 Equipment Commissioning



In parallel scenarios, the software version of SolarGo app should be 5.8.0 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

Safety Code

Warehouse >

Safety Code

Voltage Protection Parameters:

OV Stage1 Trip Value

270.0V

OV Stage1 Trip Time

0.16s

UV Stage1 Trip Value

170.0V

UV Stage1 Trip Time

0.16s

OV Stage2 Trip Value

270.0V

OV Stage2 Trip Time

0.16s

UV Stage2 Trip Value

170.0V

UV Stage2 Trip Time

0.16s

OV Stage3 Trip Value

0.0V

Exit

PREV

Next

Safety Code

Save

Europe

Cyprus

Oceania

Czech

America

Denmark

Asia

Estonia

Africa

Finland

Others

France

Germany

DE MV

Based on VDE-AR-N 4110/4120

For AC Coupled Inverter

Based on VDE-AR-N 4105

For Hybrid Inverter

Based on VDE-AR-N 4105

Greece

Setting Inverter Quantity (Only For Parallel Connections)

Quantity Settings

Number Of Inverters

4

Tower

Enter at least 1 units

Exit

PREV

Next

Setting the BAT Connect Mode

BAT1

BAT2

BAT1

BAT2

BAT Connect Mode

Stand-alone Connect

2 battery systems on 2 BAT ports

Parallel Connect

1 battery system on 2 BAT ports

Only BAT1 Connect

1 battery system is only on BAT1 port

Only BAT2 Connect

1 battery system is only on BAT2 port

Not Connected Battery

Exit

PREV

Next

Select Battery Model

BAT1

BAT2

Selected Battery

Manufacturer:--

Series:--

Model:--

GoodWe

LX F-H-JP

LX F-H-US

1

Lynx Home F Series G2

2

Lynx Home F Series G2*N

Lynx Home D Series

LX C-O

SECU-S

If there is no available battery model, please open the mobile network and restart the app to obtain one.

Exit

PREV

Next

Setting the Working Mode

Peakshaving

Save

Start Time

00:00

End Time

23:00

Import Power Limit

0.00

Range[0,500]kW

Reserved SOC For Peakshaving

0

Range[0,100]%

Self-use Mode

Settings

Peakshaving

Settings

Exit

PREV

Next

Working Mode

Self-use Mode

Peakshaving

Exit

PREV

Next

Self-use Mode

Back-up Mode

TOU Mode

Smart Charging

BACK-UP Mode

Charging From Grid

Rated Power

0.0

Range[0,100]%

Back-up Mode

Grid charge: Open

Backup SOC: 60%

Charging From Grid

Grid charge: Close

Backup SOC: 60%

TOU Mode

Battery Working Mode Group2

Charge

Power: 100.0%

SOC: 100%

00:00-23:59

Every Month

Every day

TOU Mode

Battery Working Mode Group1

Discharge

Power: 100.0%

00:00-23:59

Every Month

Every day

TOU Mode

Smart Charging Mode

Smart Charging Month

Peak Limiting Power

0.0

Range[0,100]%

Switch To Charge

Charging Time

00:00

Smart Charging

Switch to charge: Open

PV > Peak limiting power

Smart Charging

Switch to charge: Close

PV > Peak limiting power

Smart Charging

Switch to charge: Open

PV < Peak limiting power

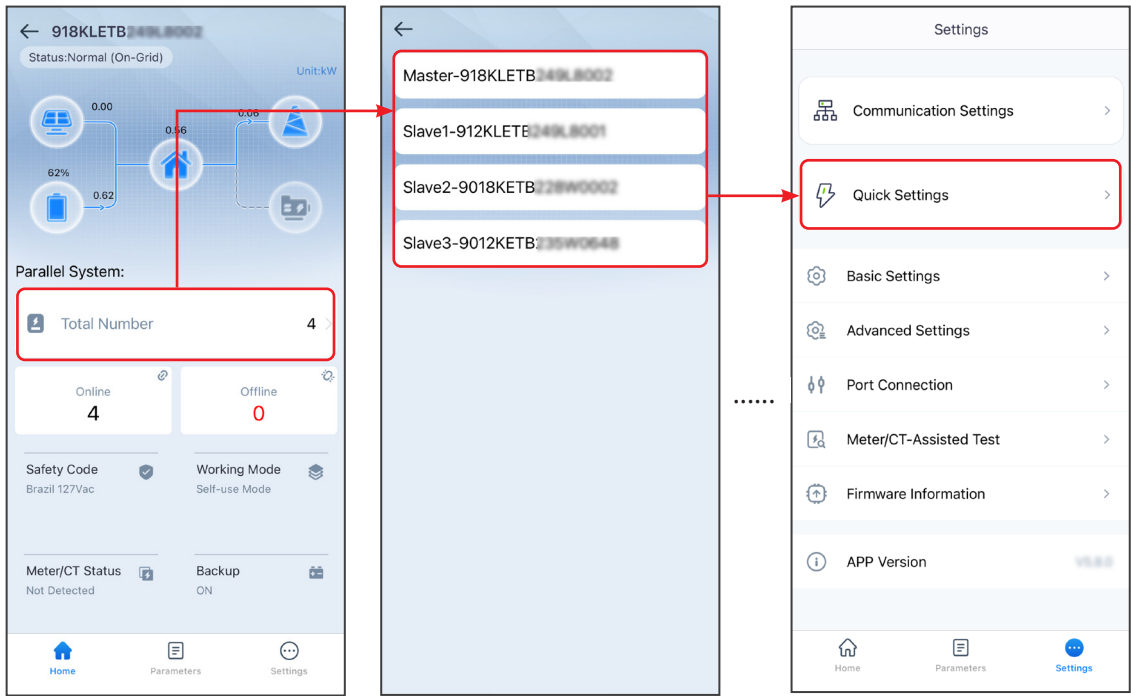
Smart Charging

Switch to charge: Close

PV < Peak limiting power

Setting Batteries Of Each Inverters (Only For Parallel Connections)

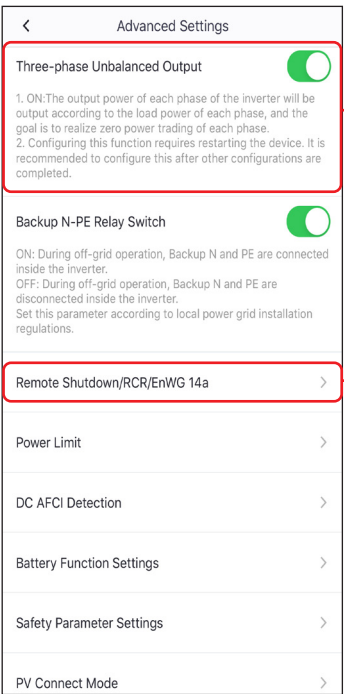
Follow the prompts to set the battery model and connection mode of each inverter.



Setting the Advanced Parameters

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

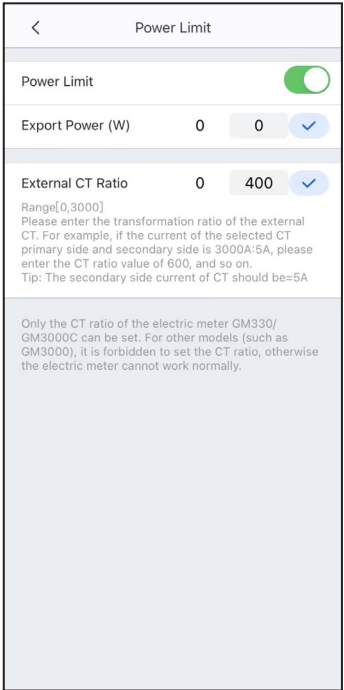
Setting DRED/Remote Shutdown/RCR/EnWG 14a or Three-phase Unbalanced Output Function (Optional)



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.

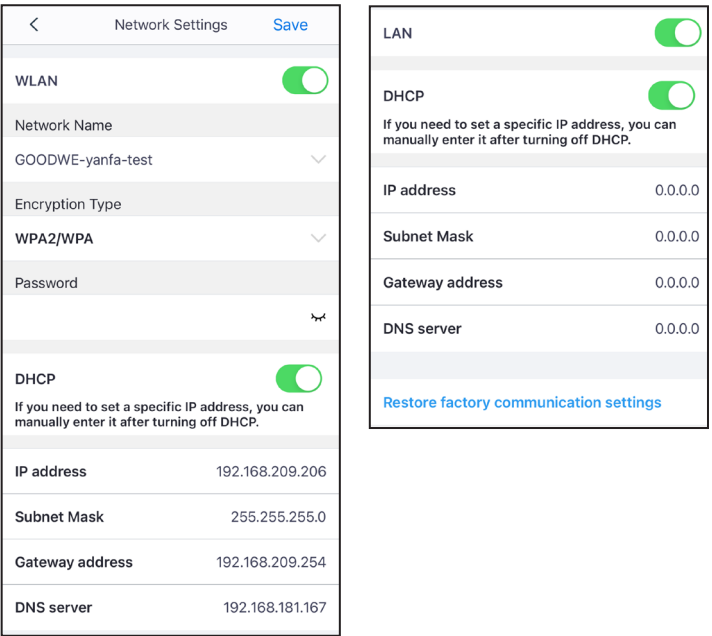
Setting the Power Limit Function



Configuring the Network

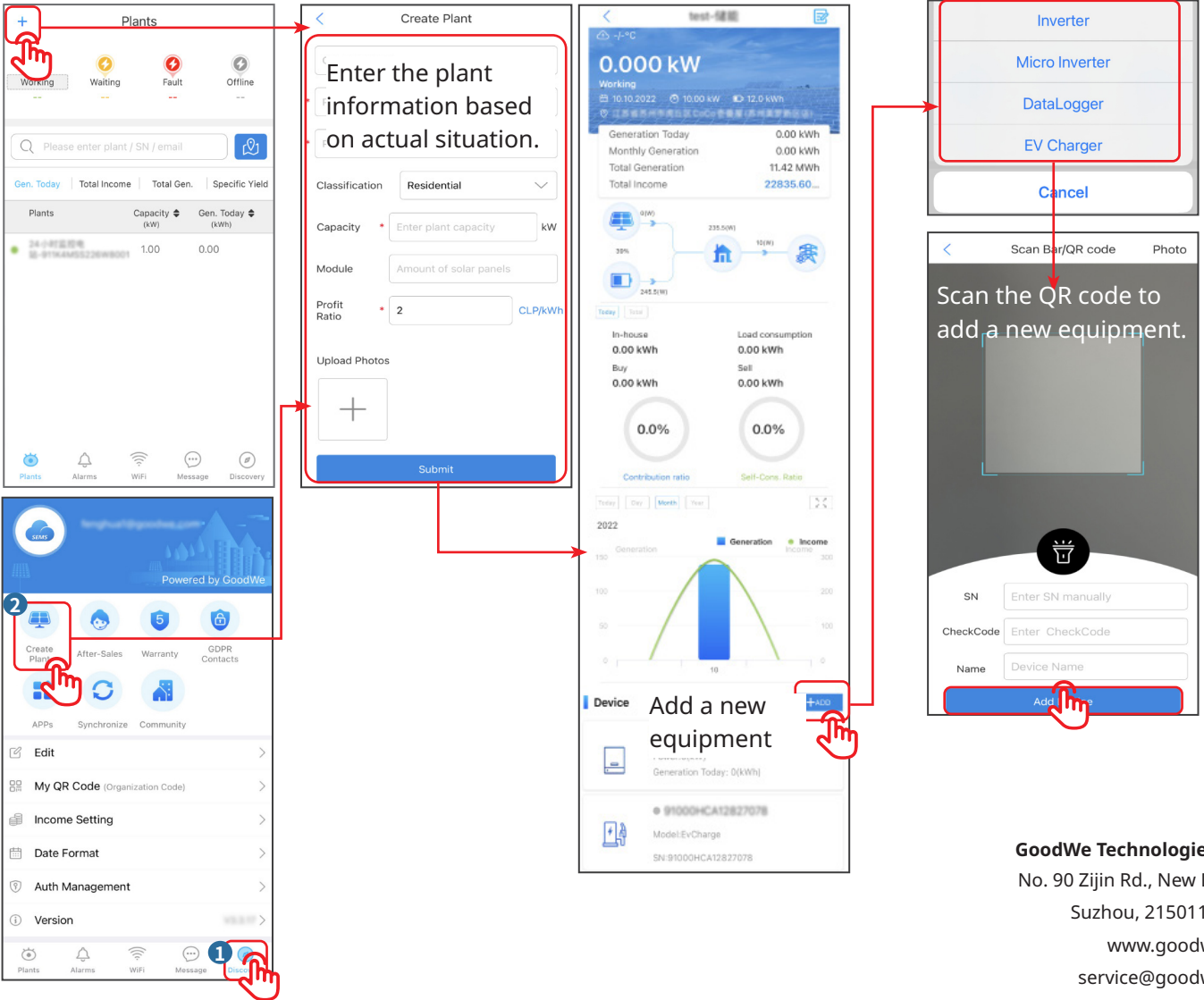
Tap **Home > Settings > Communication Setting** to set network parameters.

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



Creating a Power Plant

Create power plants and add equipments via SEMS Portal app.



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service@goodwe.com