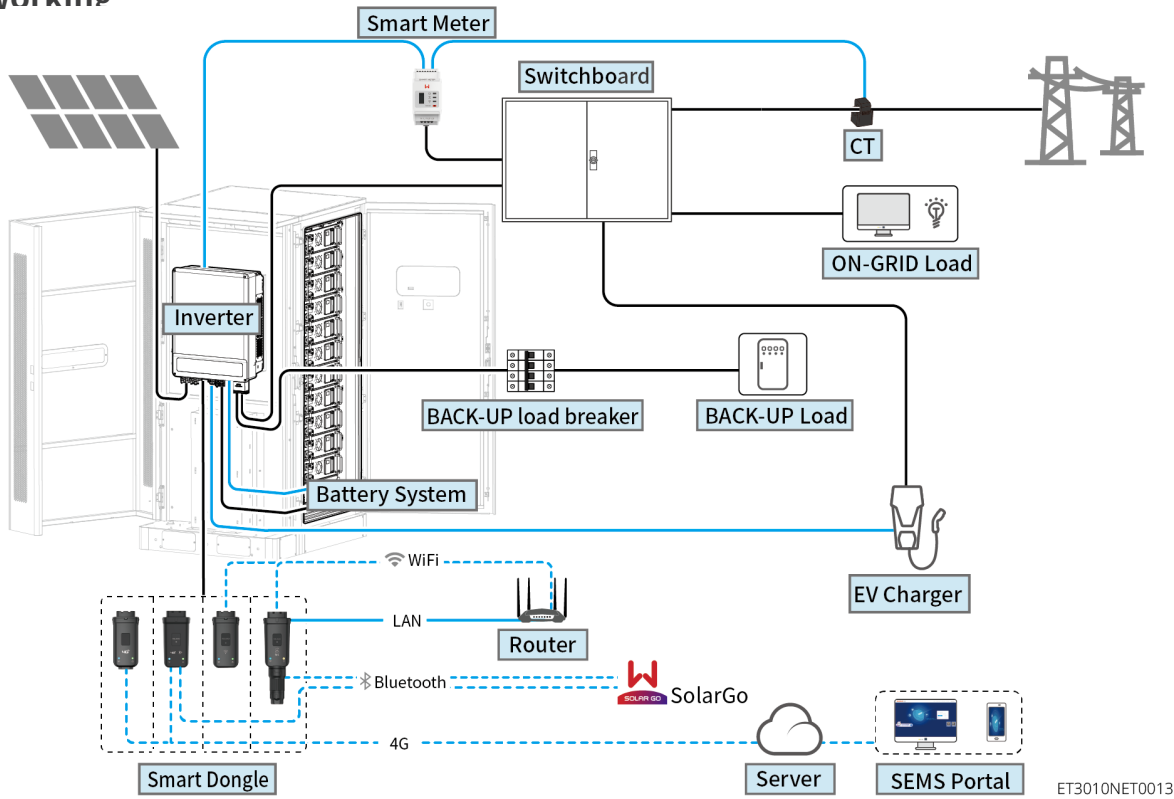


WARNING

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.

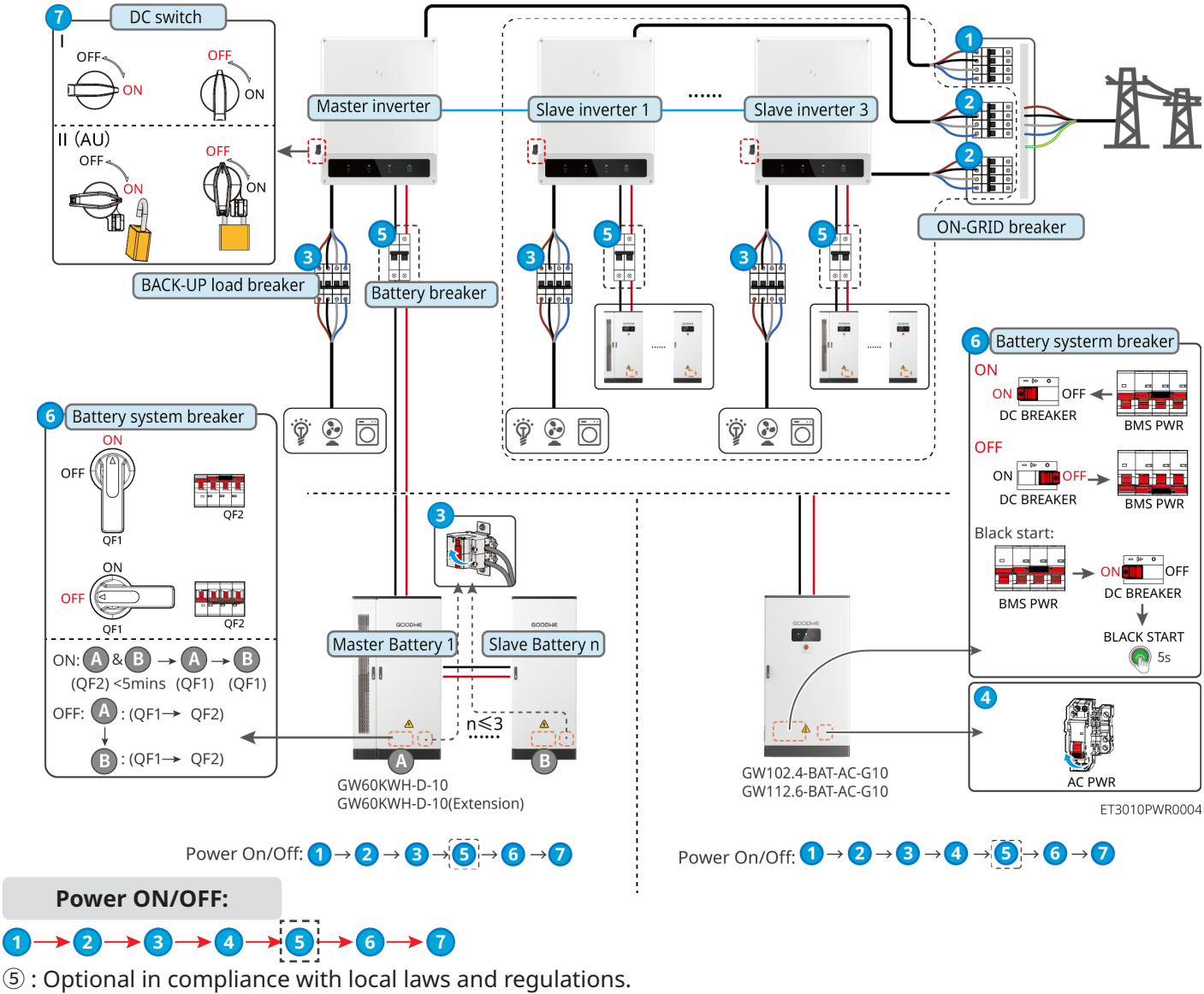
01 Networking



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
	GW60KWH-D-10 GW60KWH-D-10(Extension)	A maximum of 3 battery systems can be clustered in a system.
Battery 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)
	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



03 Installations

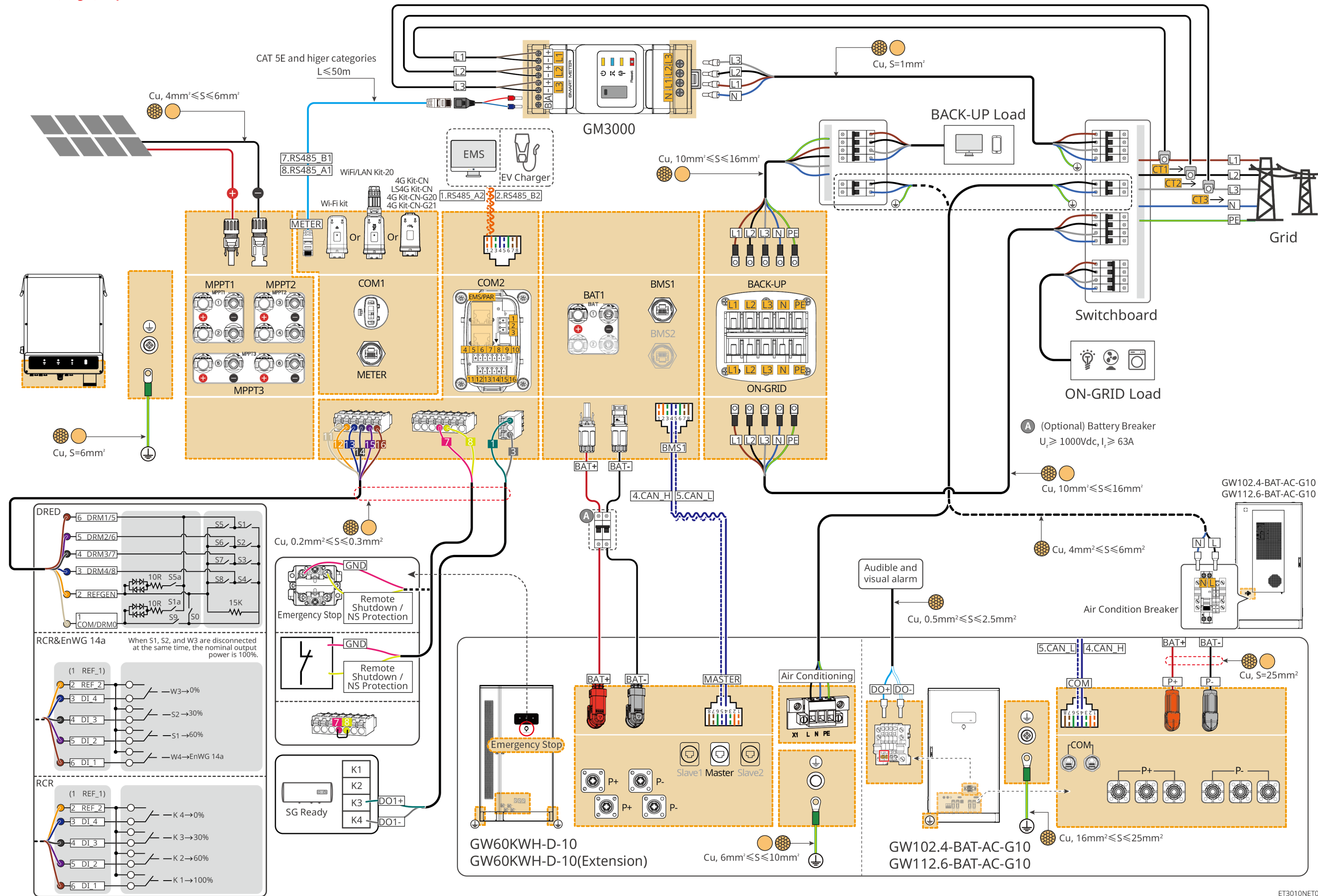
Steps	1 Installation		2 PE		3 Battery				4 COM	
Battery	GW60KWH-D-10 GW60KWH-D-10(Extension)		GW102.4-BAT-AC-G10 GW112.6-BAT-AC-G10		GW60KWH-D-10 GW60KWH-D-10(Extension)		GW102.4-BAT-AC-G10 GW112.6-BAT-AC-G10		GW60KWH-D-10 GW60KWH-D-10(Extension)	
Tools										
	D: 80mm Φ: 14mm M12 50N·m		M5 4.5N·m M5 4N·m		M6 6N·m M8 10N·m		Recommend: YQK-70 M5 4.5-6N·m			

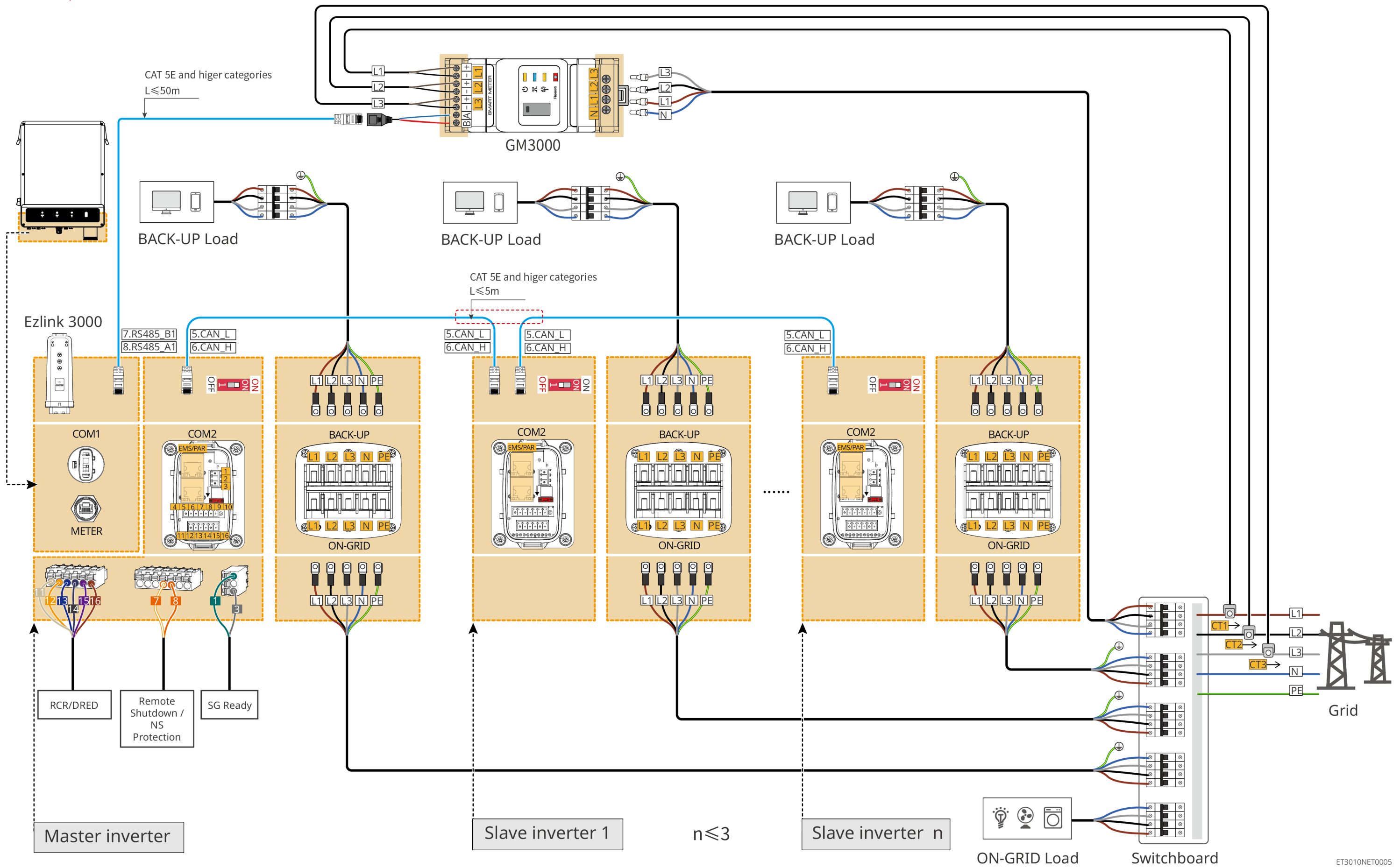
Steps	1 Installation	2 PE	3 PV	4 Battery	5 AC	6 COM	7 Communication module		
Inverter							Wi-Fi Kit	WiFi/LAN Kit-20	Ezlink3000
	M5 4.5N·m M5 1.2~2N·m	M5 1.2~2N·m	Recommend: PV-CZM-61100	Recommend: VXC9	M5 2~3N·m M6 3~4N·m	M4 1.5N·m	4G Kit-CN LS4G Kit-CN 4G Kit-CN-G20 4G Kit-CN-G21		

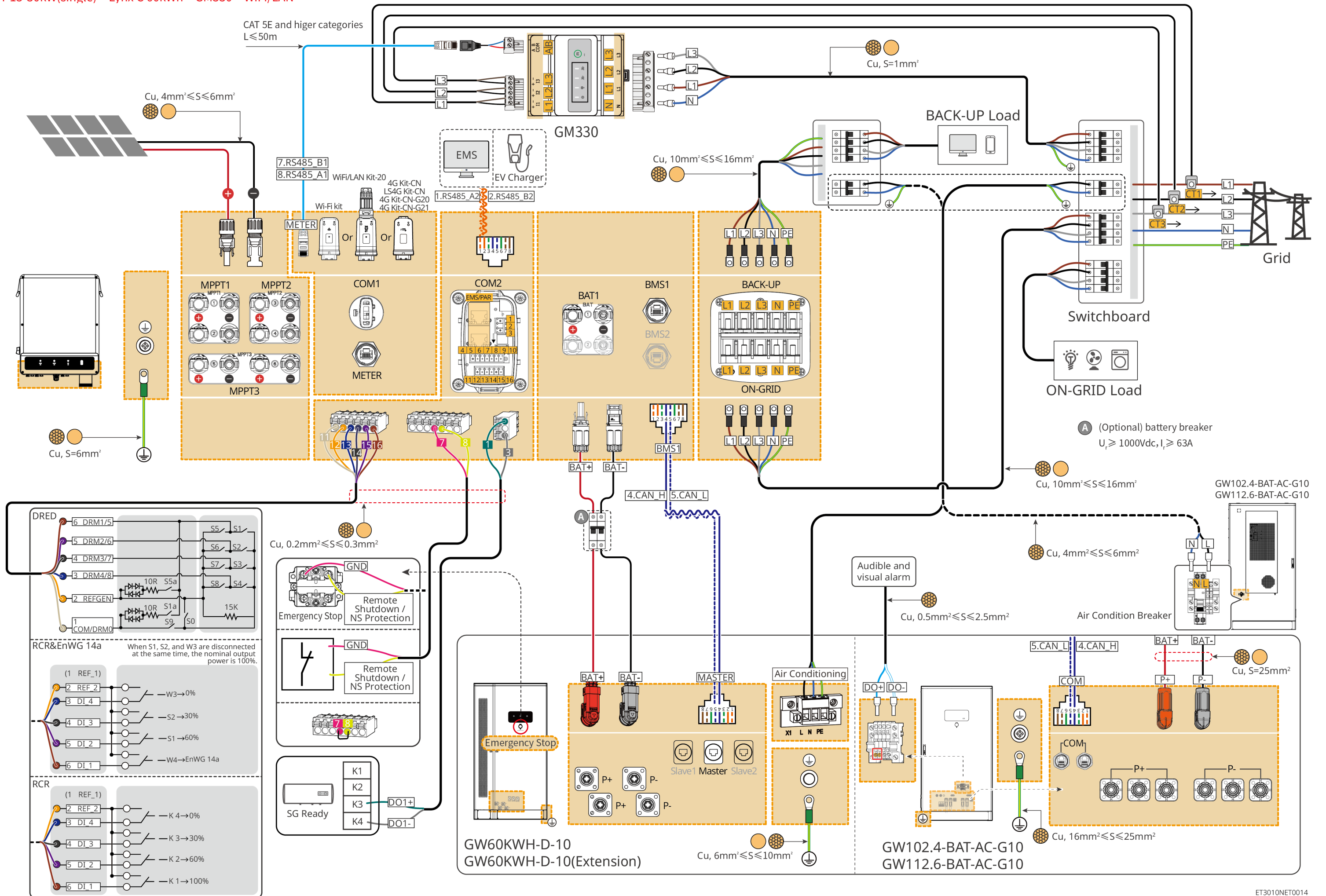
Steps	1 Installation		2 Cable Connections		3 Power	4 Commissioning	
Smart meter	GM3000	GM330/GMK330	GM3000	GMK330			

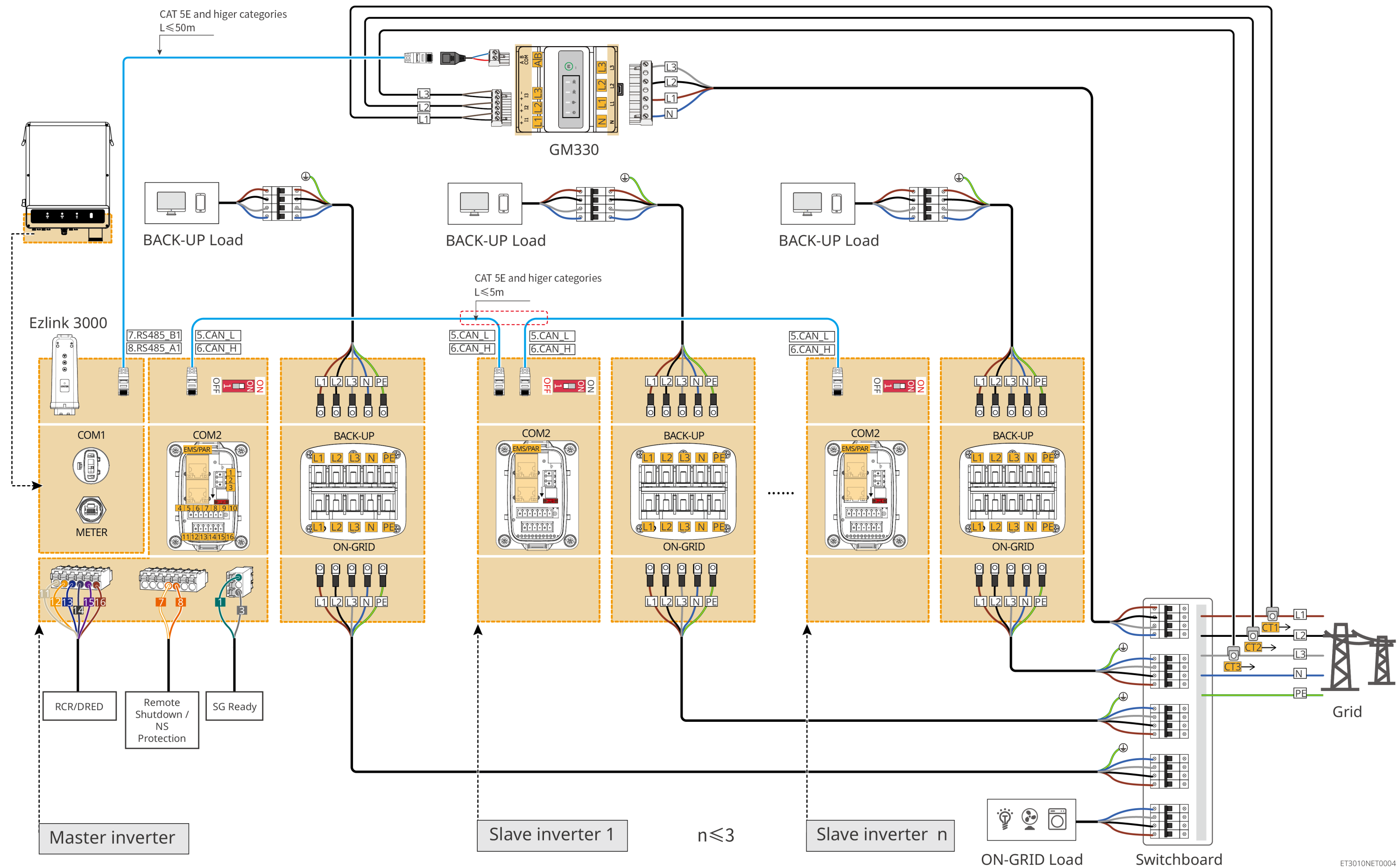
04 Wiring Diagram

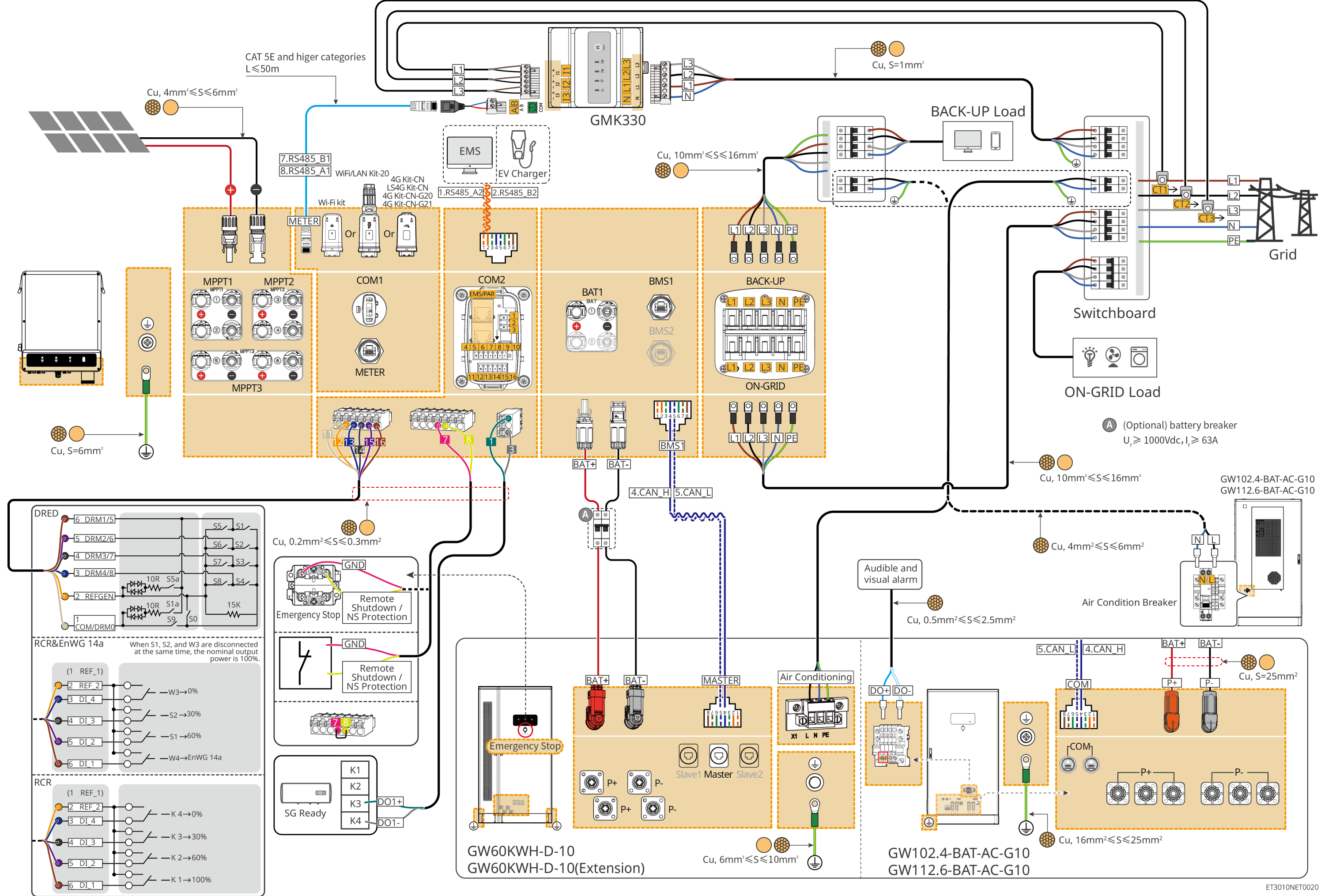
ET 15-30kW(single) + Lynx C 60kWh + GM3000 + WiFi/LAN

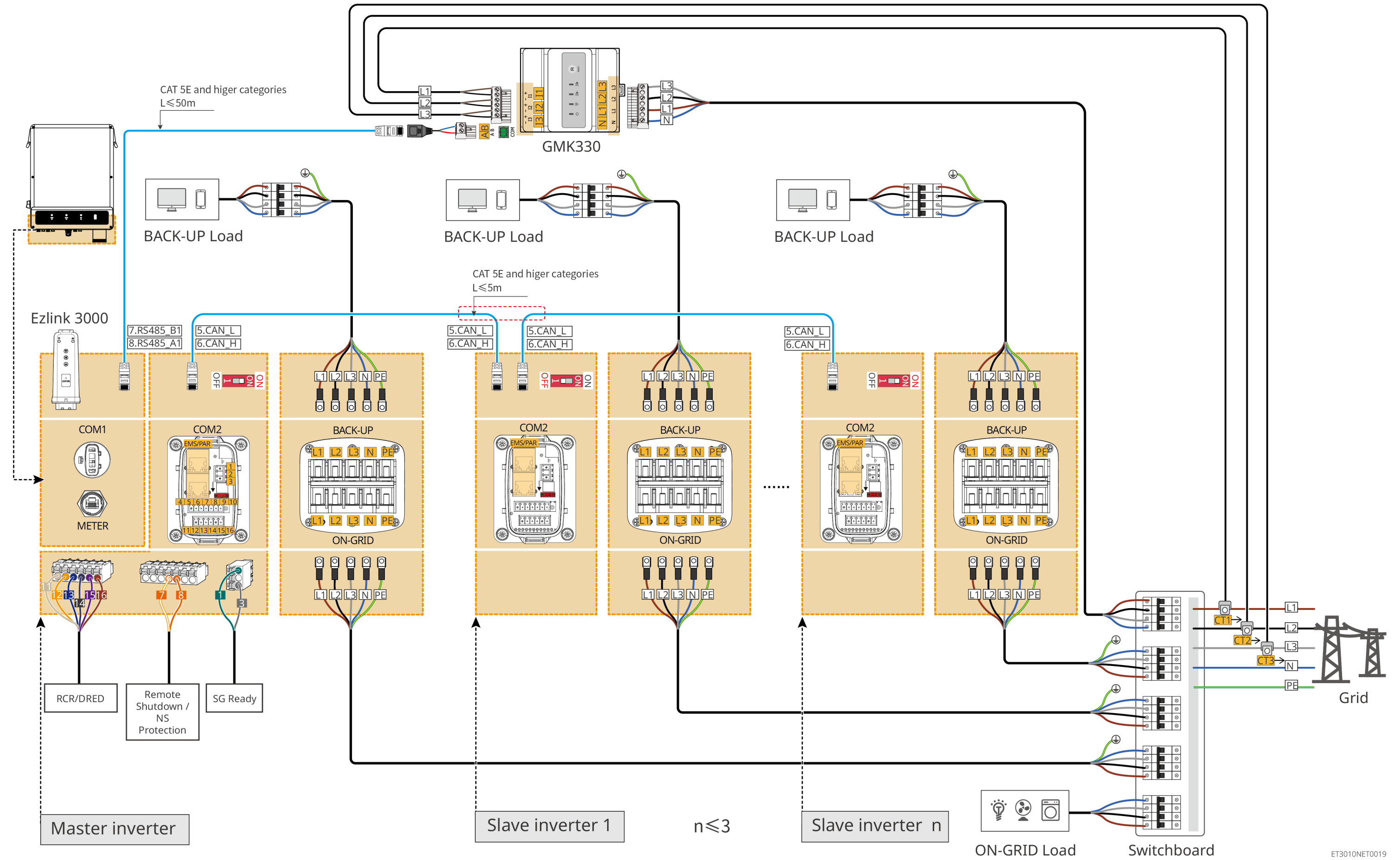




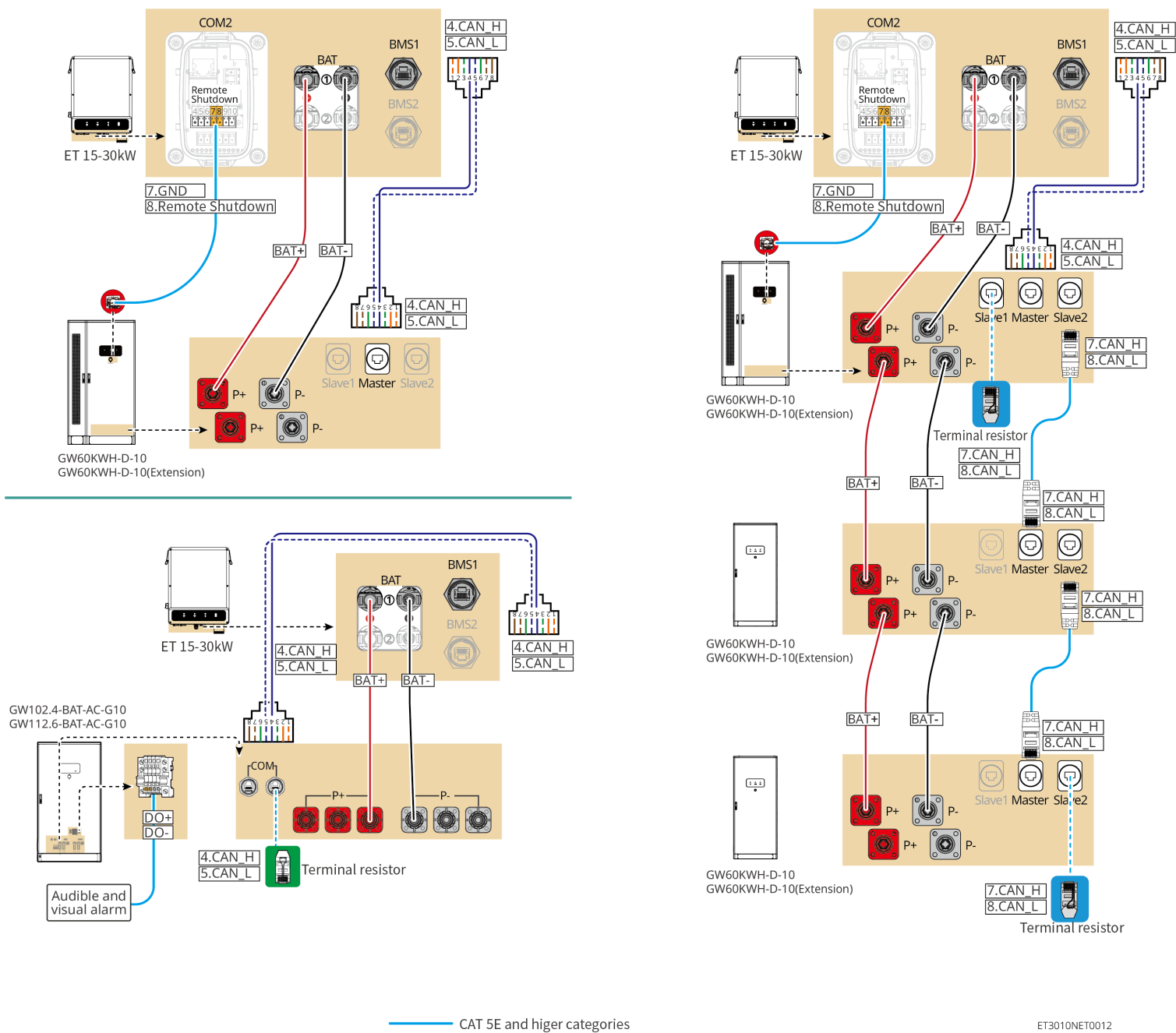








Battery system wiring diagram



05 Equipment Commissioning



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

Safety Code	Export
Safety Code	Warehouse >
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

Setting Inverter Quantity (Only For Parallel Connections)

Quantity Settings

Number Of Inverters 1 2 Tower 2

Exit PREV Next

Setting the BAT Connect Mode

BAT Connect Mode

Stand-alone Connect

Parallel Connect

Only BAT1 Connect

Only BAT2 Connect

No Battery

Select Battery Model

Selected Battery

Manufacturer:GoodWe

Series:Lynx C Outdoor

Model:GW60KWH-D-10*1

GoodWe

Lynx C Outdoor*3

Lynx C Indoor*2

Lynx C Outdoor

Lynx C Indoor*3

LX S-H

LX F-H*N

LX F-H

Lynx C Indoor

BYD

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

Start Time 00:00

End Time 00:00

Import Power Limit 0.00

Reserved SOC For Peakshaving

Self-use Mode

Peakshaving

Working mode

Self-use Mode

Advanced Settings

Depth Of Discharge (On-Grid) 60

Depth Of Discharge (Off-grid) 60

Back-up Mode

Economic Mode

Smart Charging

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.

BACK-UP Mode

Charging From Grid

Rated Power 0.0

Grid charge: Open

Backup SOC: 60%

Charging From Grid

Economic Mode

Battery Working Mode Group1

00:00-07:00

PV: Charge battery in priority

TOU curve

Battery Working Mode Group2

08:00-16:00

PV: Export to grid in priority

Smart Charging Mode

Smart Charging Month

Peak Limiting Power 0.0

Switch To Charge

Charging Time 00:00

Switch to charge: Open

Switch to charge: Close

Setting Batteries Of Each Inverters (Only For Parallel Connections)

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

9030

Status:Fault Mode

Unit:KW

0.00

0.00

0.00

0%

0.00

Parallel System:

Total Number 2

Total Online 2

Total abnormal 0

Safety Code Warehouse

Status: Peak Shaving

Meter/CT Status Not Detected

Backup OFF

Master-9030KETT

Slave-9020KETT

Settings

Communication Setting

Quick Settings

Basic Settings

Advanced Settings

Load Control ON

Meter/CT-Assisted Test

Firmware Information

APP Version V5.3.1

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)

Advanced Settings

Three-phase Unbalanced Output

Backup N-PE Relay Switch

Remote Shutdown/RCR/EnWG 14a

Power Limit

DC AFCI Detection

Battery Function Settings

Safety Parameter Settings

PV Connect Mode

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

Power Limit

Power Limit

Export Power (W) 0 0

External CT Ratio 0 400

Only the CT ratio of the electric meter GM330/ GM3000C can be set. For other models (such as GM3000), it is forbidden to set the CT ratio, otherwise the electric meter cannot work normally.

Configuring the Network

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

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

<WLAN/LANSave

WLAN

WLAN

Network Name

TP-LINK_88E2

▼

Encryption Type

WPA2/WPA

▼

Password

🔒

DHCP

DHCP

If you need to set a specific IP address, you can manually enter it after turning off DHCP.

IP Address

192.168.0.122

Subnet Mask

255.255.255.0

Gateway Address

192.168.0.114

DNS Server

114.114.114.114

LAN

Connected

DHCP

DHCP

If you need to set a specific IP address, you can manually enter it after turning off DHCP.

IP Address

0.0.0.0

Subnet Mask

0.0.0.0

Gateway Address

0.0.0.0

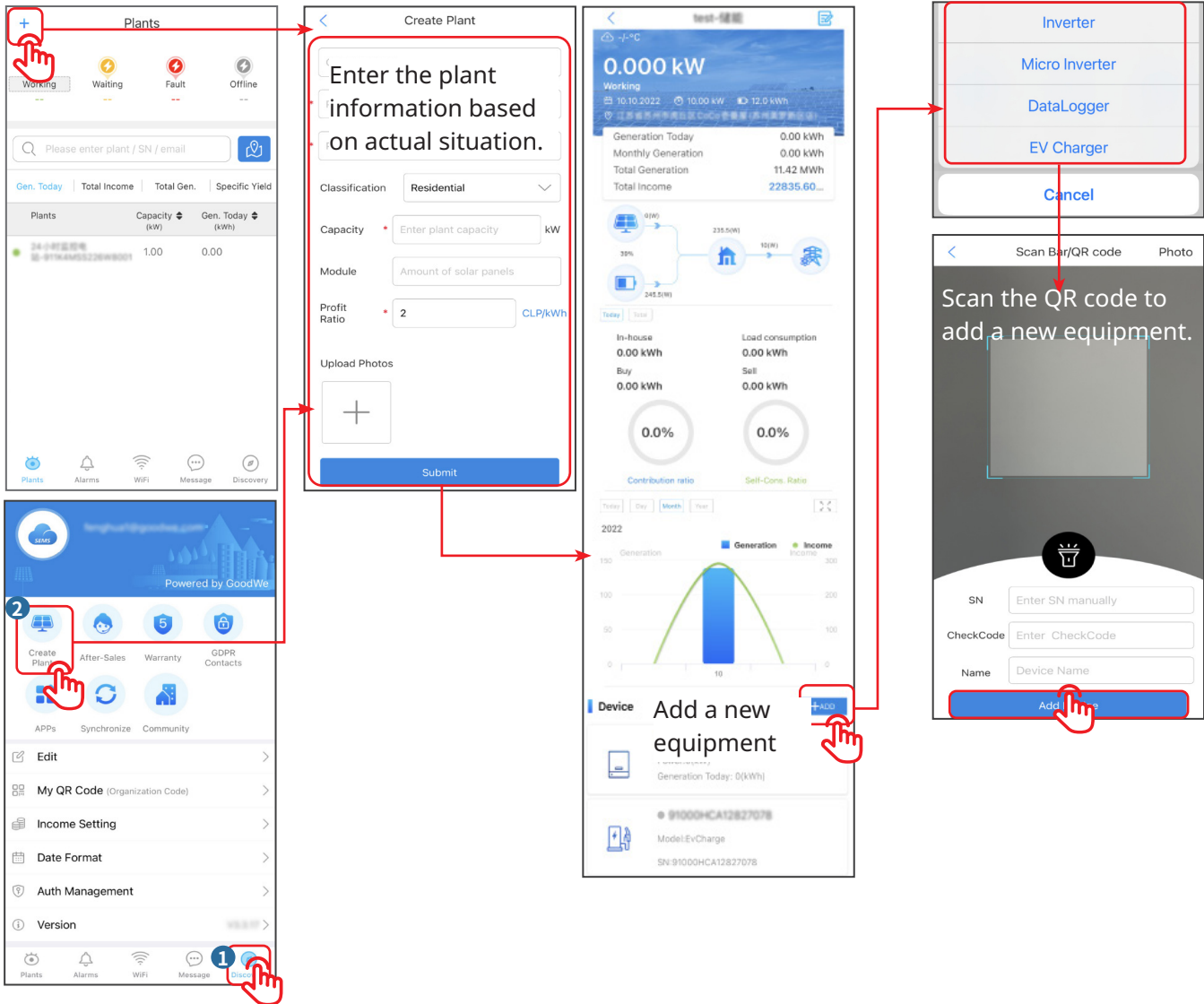
DNS Server

192.168.1.253

Restore factory communication settings

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