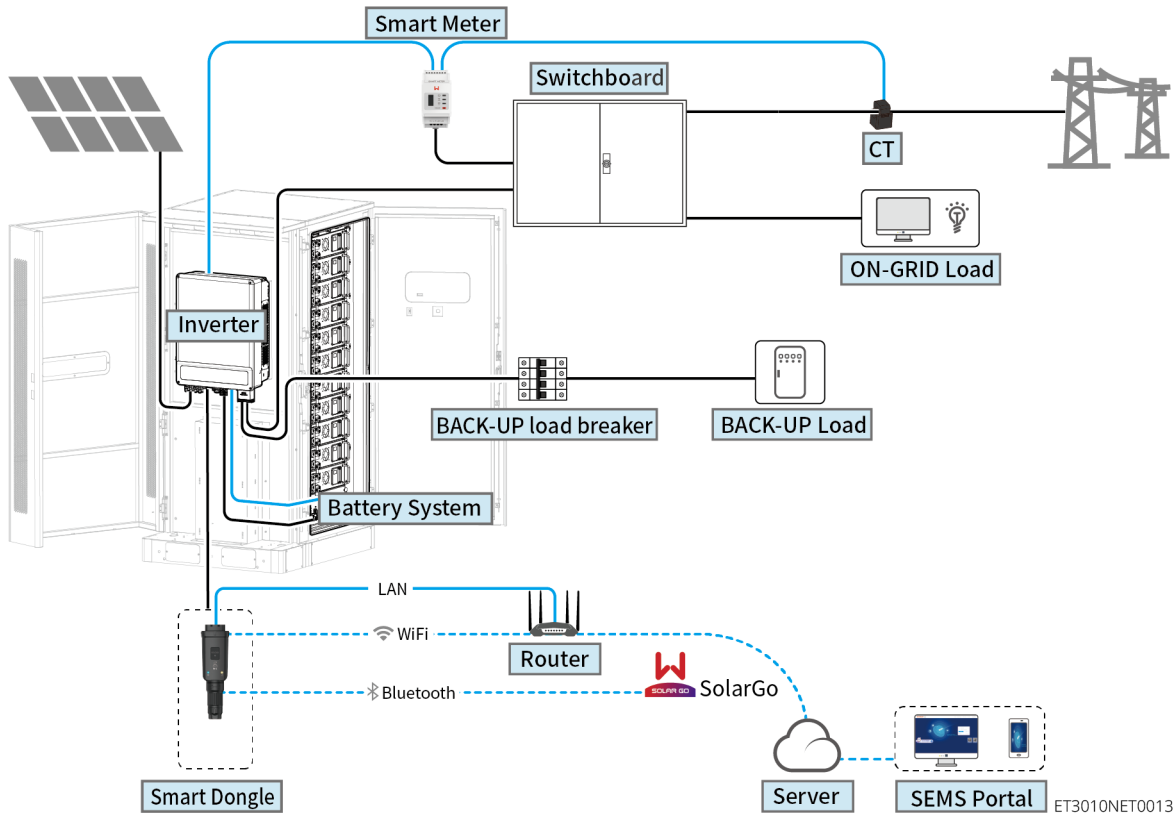


WARNING

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.

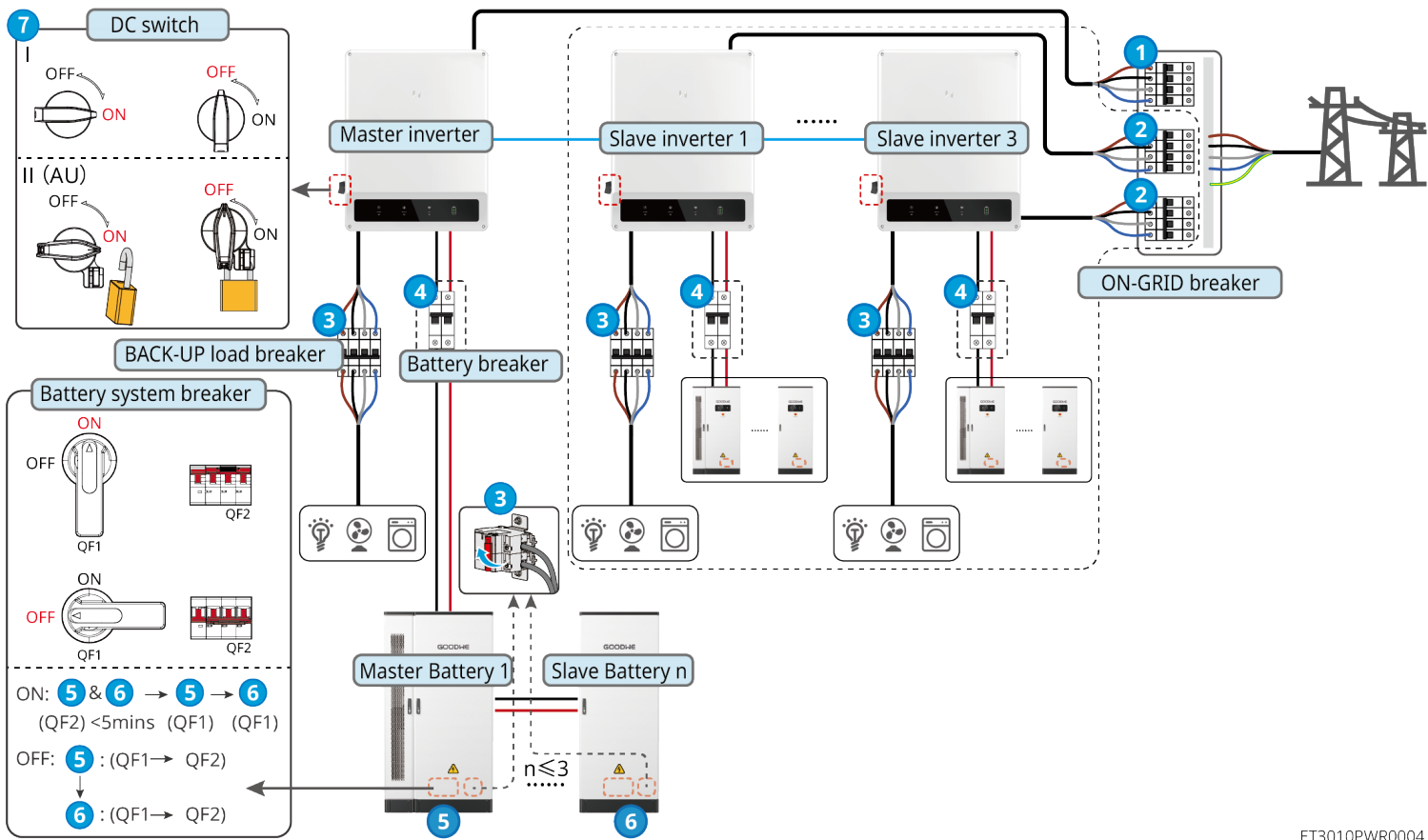
01 Networking



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: <ul style="list-style-type: none"><li>Consistent firmware version</li><li>ARM version: 08(401) or above</li><li>DSP version: 07(7068) or above</li></ul>
Battery system	GW60KWH-D-10 GW60KWH-D-10(Extension)	A maximum of 3 battery systems can be clustered in a system.
Smart meter	<ul style="list-style-type: none"><li>GM3000</li><li>GM330</li></ul>	<ul style="list-style-type: none"><li>GM3000: GM3000 and the CT, which cannot be replaced, are included in the inverter package. CT ratio: 120A/40mA.</li><li>GM330: Order the CT for GM330 from GoodWe or other suppliers. CT ratio: nA/5A.<ul style="list-style-type: none"><li>nA: CT primary input current, n ranges from 200 to 5000.</li><li>5A: CT Secondary input current.</li></ul></li></ul>

Product Type	Model	Description
Smart dongle	<ul style="list-style-type: none"><li>WiFi/LAN Kit-20</li><li>Wi-Fi Kit</li><li>Ezlink3000</li></ul>	<ul style="list-style-type: none"><li>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.</li><li>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.</li></ul>

02 Power On/Off



Power ON/OFF:



④ : Optional in compliance with local laws and regulations.

03 Installations

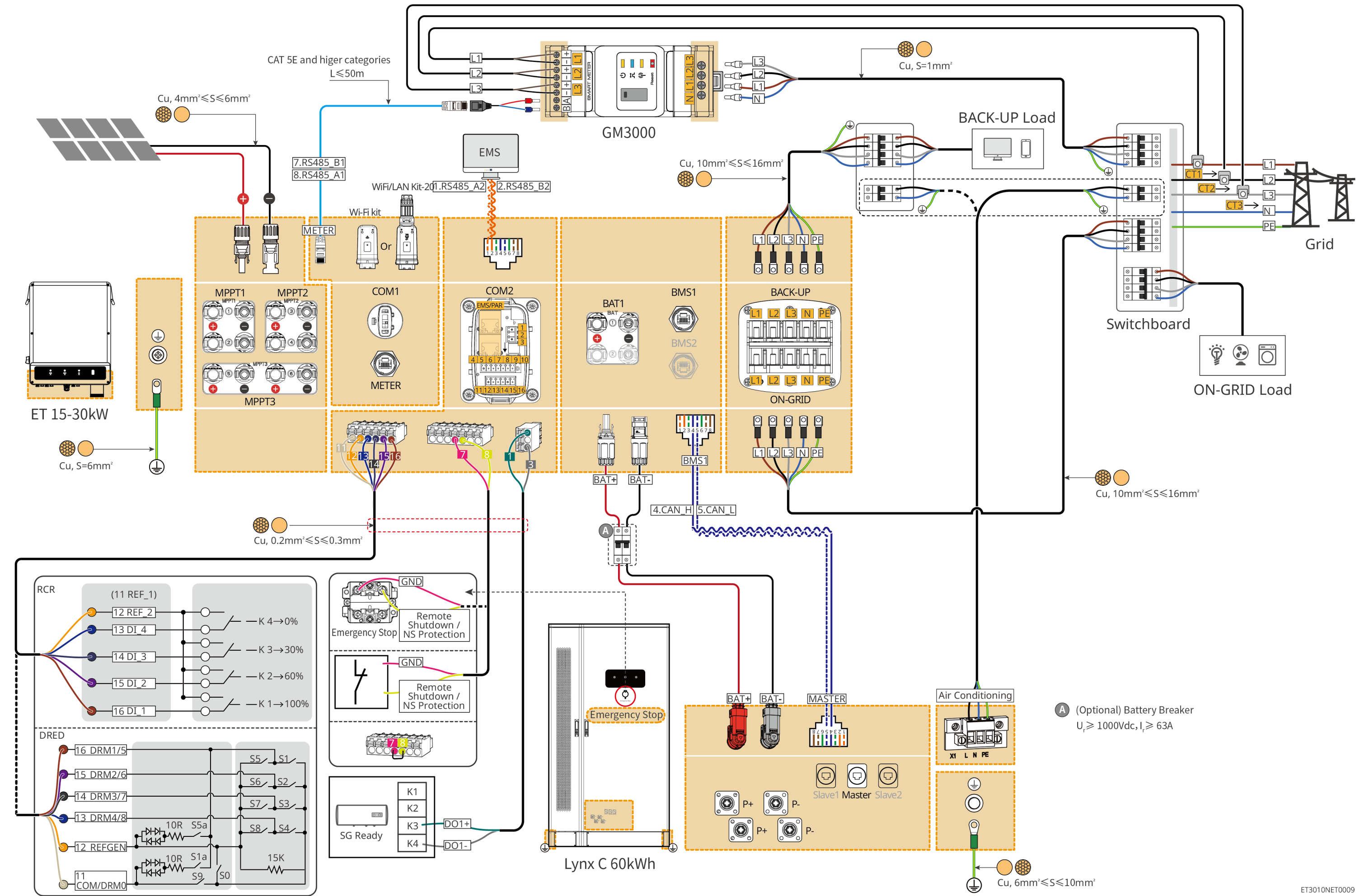
Steps	1 Installation	2 PE	3 Battery		4 COM
Battery					
Tools	<div>1  D: 80mm φ: 14mm</div> <div>2  M12 50N·m</div>	 M5 4.5N·m	<div>1  M6 6N·m</div> <div>2  M8 10N·m</div>	Recommend: YQK-70  2  M5 4.5-6N·m	

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
Tools	<div>1  M5 4.5N·m</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			

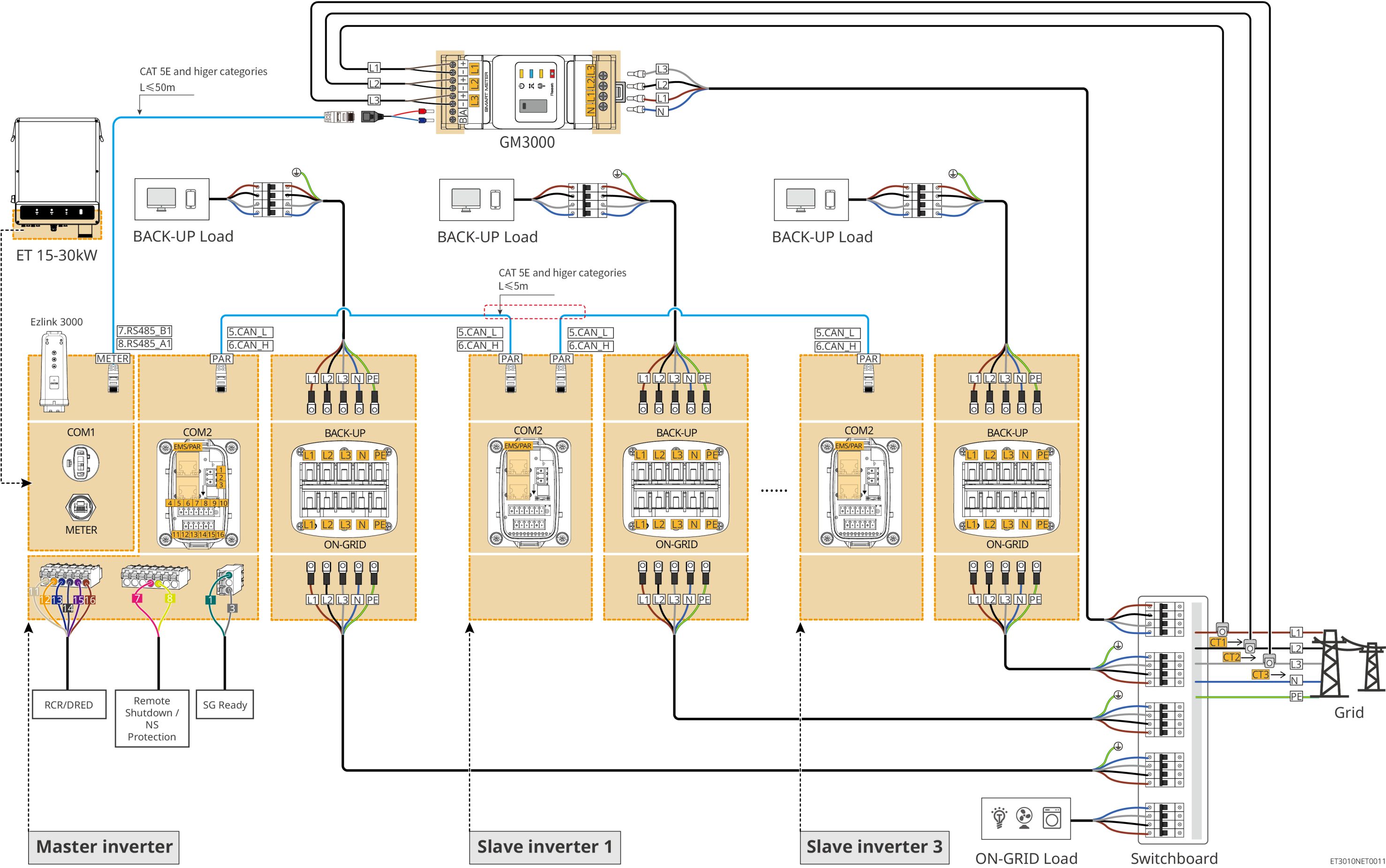
Steps	1 Installation		2 Cable Connections		3 Power	4 Commissioning	
Smart meter	GM3000	GM330	GM3000	GM330			

04 Wiring Diagram

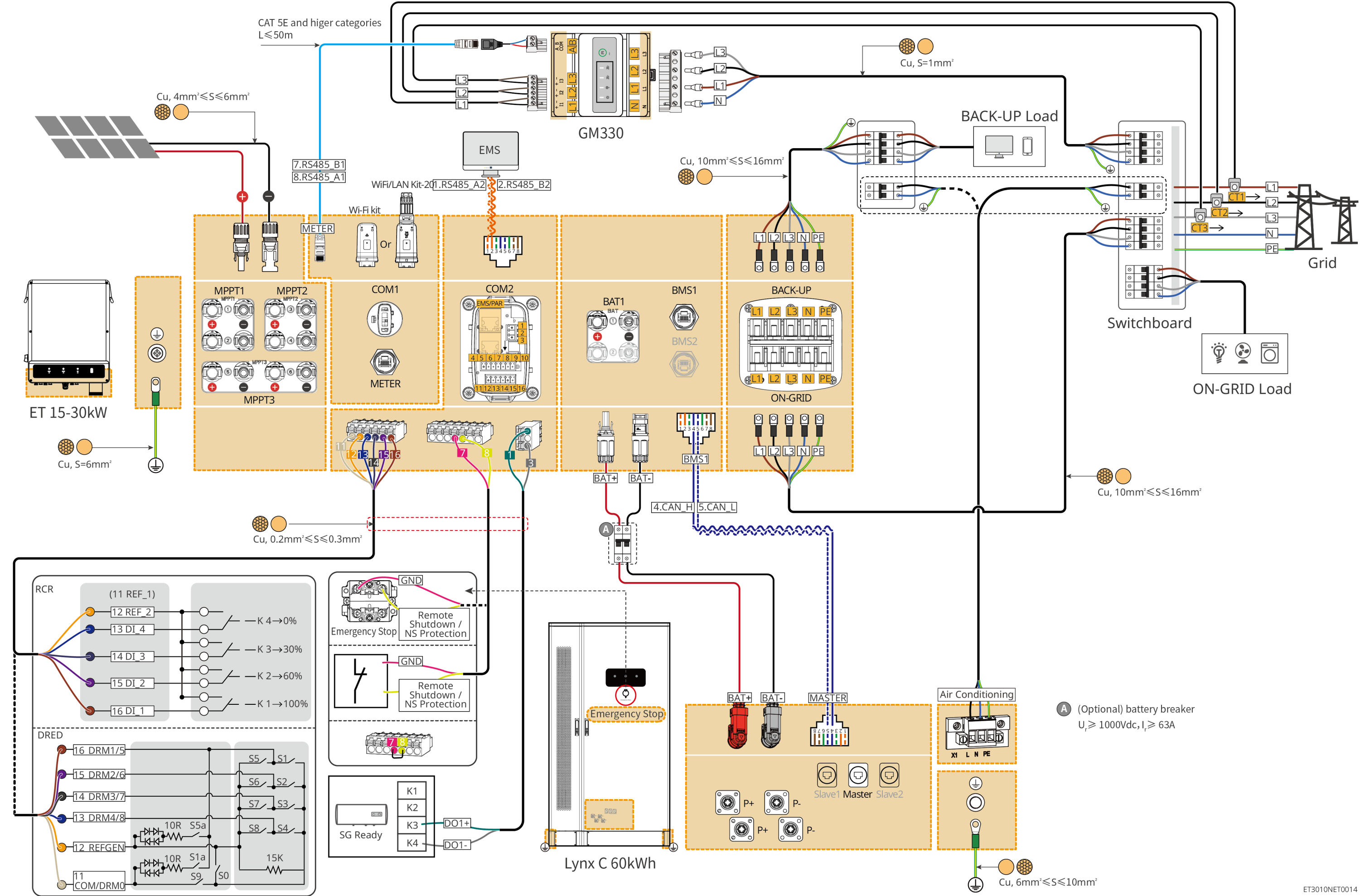
ET 15-30kW(single) + Lynx C 60kWh + GM3000 + WiFi/LAN



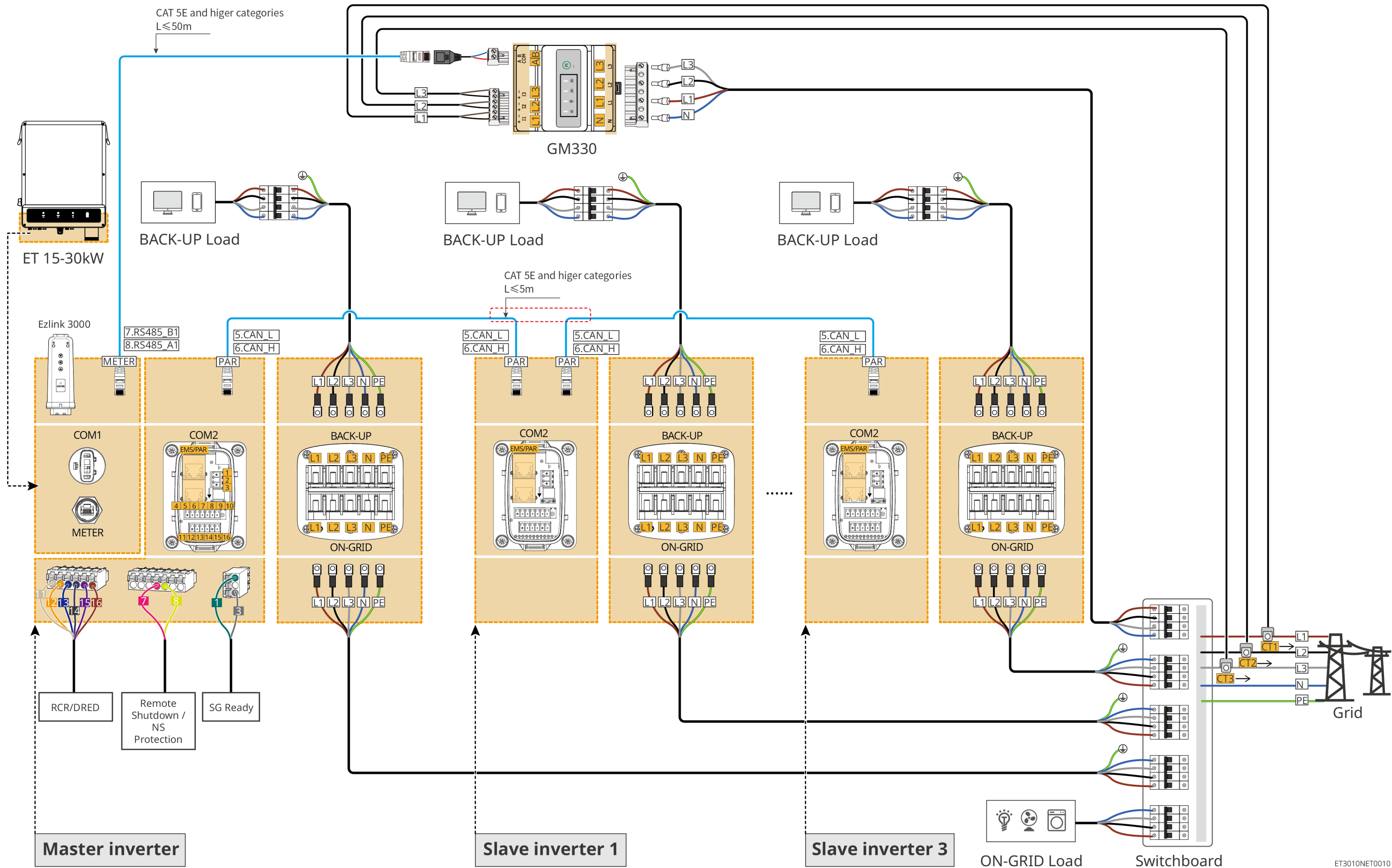




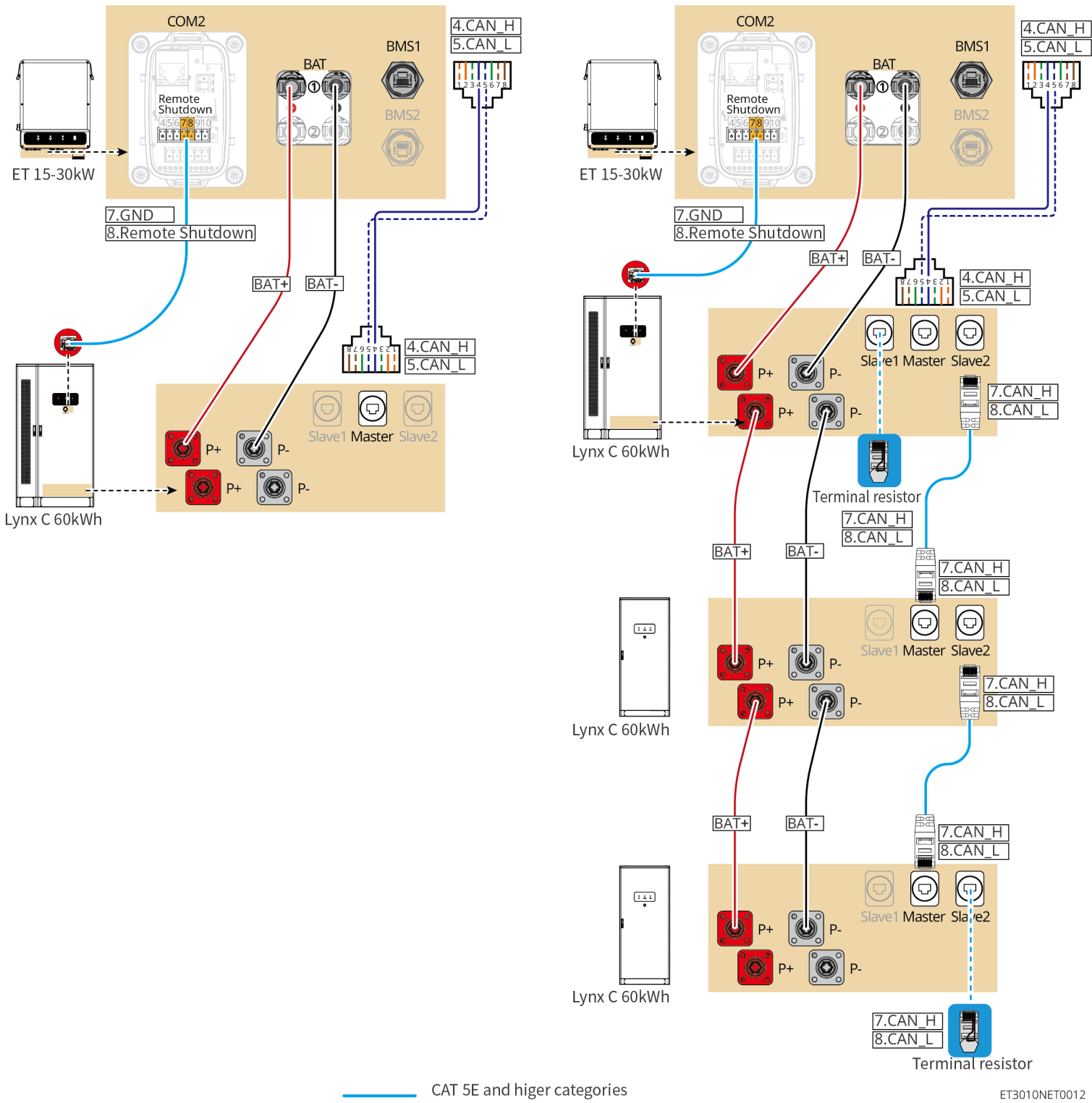




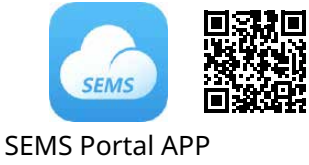
(Optional) battery breaker  
 $U_r \geq 1000\text{Vdc}$ ,  $I_r \geq 63\text{A}$



Battery system wiring diagram



05 Equipment Commissioning

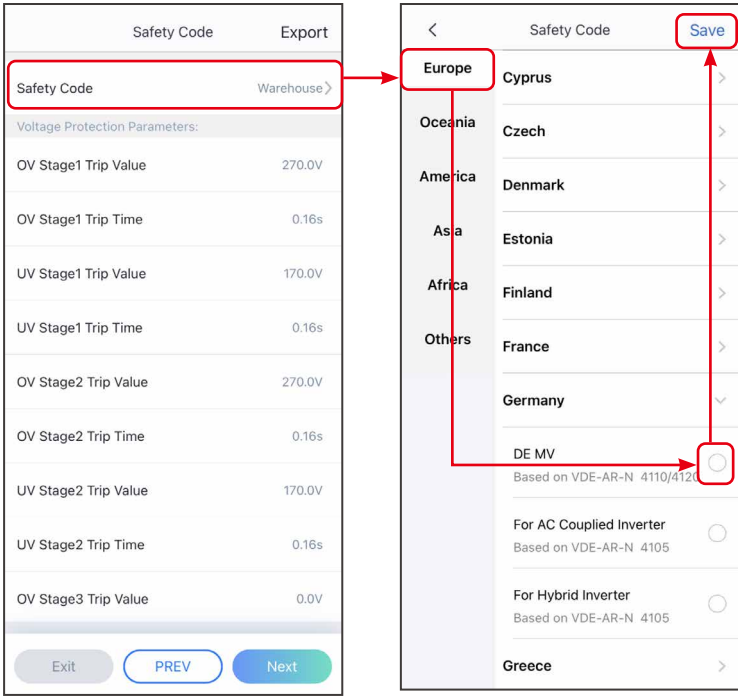


In parallel scenarios, the software version of SolarGo app should be 5.3.0 or above. Follow the prompts to connect the device.

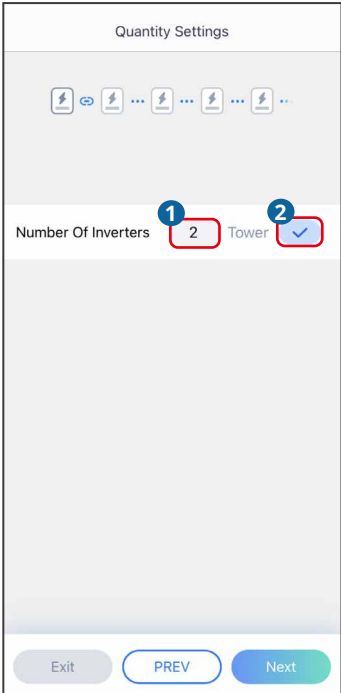
Quick Settings

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

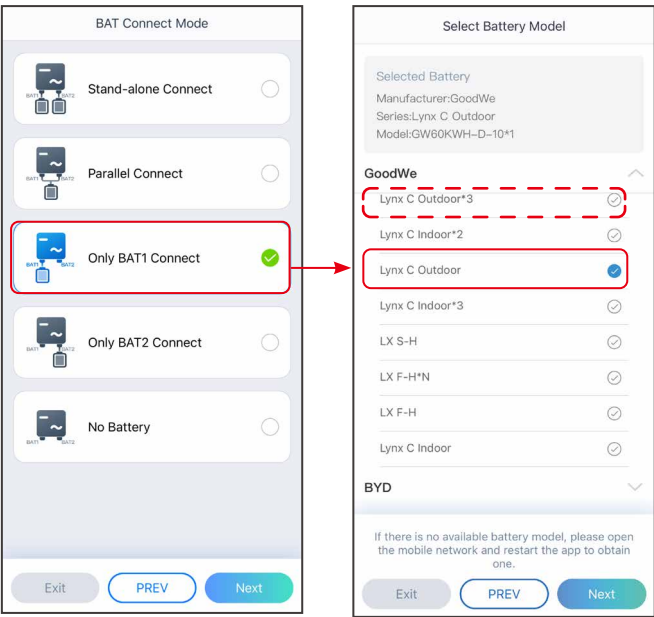
Setting the Safety Code



Setting Inverter Quantity (Only For Parallel Connections)



Setting the BAT Connect Mode





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

Peak limiting power

Charging time

Smart Charging

Smart Charging Month

Peak Limiting Power 0.0

Switch To Charge

Switch to charge: Close

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.

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 or Three-phase Unbalanced Output Function (Optional)

Advanced Settings

DRED/Remote Shutdown/RCR

Three-phase Unbalanced Output

Backup N And PE Relay Switch

Power Limit

AFCI Test

Battery Function

Safety Parameter Settings

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

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/LAN	Save
WLAN <input checked="" type="checkbox"/>		
Network Name		
TPLINK6E2		▼
Encryption Type		
WPA2/WPA		▼
Password		
✖		
DHCP <input checked="" type="checkbox"/>		
If you need to set a specific IP address, you can manually enter it after turning off DHCP.		
IP Address		
192.168.0.123		
Subnet Mask		
255.255.255.0		
Gateway Address		
192.168.0.114		
DNS Server		
194.154.154.154		

LAN	Connected
DHCP <input checked="" type="checkbox"/>	
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
<a href="#">Restore factory communication settings</a>	

## Creating a Power Plant

Create power plants and add equipments via SEMS Portal app.