

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 management system. It shows a house with a solar panel array on the roof, connected to a main switchboard and a battery system. The system includes components like inverters, a router, a smart dongle, and a backup switchboard. It also shows an EV charger and a car. The diagram is labeled with various components and their connections, including 'SEC1000S(parallel)', 'GM3000/GM330(single)', 'Switchboard', 'CT', 'Inverter', 'Battery System', 'Router', 'SEMS Portal', 'BACK-UP Switchboard', 'EV Charger', and 'Smart Dongle'. It also shows a 'SolarGo' logo and a '4G' connection.

Device	Model			Description
Inverter	GW5KL-ET, GW6KL-ET, GW8KL-ET, GW10KL-ET, GW5KN-ET, GW6.5KN-ET, GW8KN-ET, GW10KN-ET, GW5K-ET, GW6.5K-ET, GW8K-ET, GW10K-ET			-
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	Lynx Home F ,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	<ul style="list-style-type: none"> 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	GM3000	<ul style="list-style-type: none"> Only for single inverter. GM3000: GM3000 and the CT, which cannot be replaced, are included in the inverter package. CT ratio: 120A/40mA.
Smart Dongle	<ul style="list-style-type: none"> Wi-Fi Kit WiFi/LAN Kit-20 	<ul style="list-style-type: none"> For single inverter or parallel connected inverters. A smart dongle is required for each inverter in the parallel system.
Smart Energy Controller	SEC1000S	<ul style="list-style-type: none"> Only for the parallel system. A maximum of 10 inverters can be parallel connected. GM3000 integrated.

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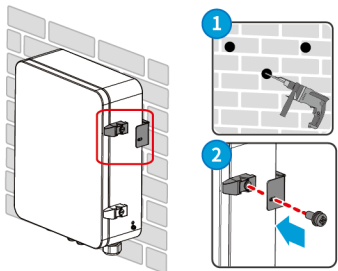
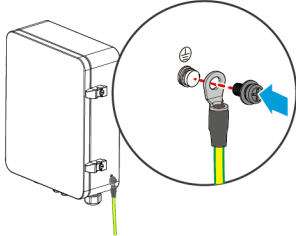
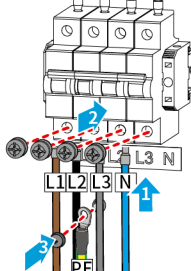
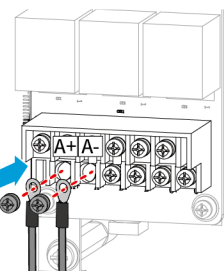
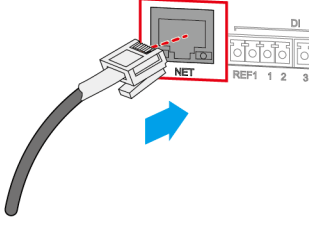
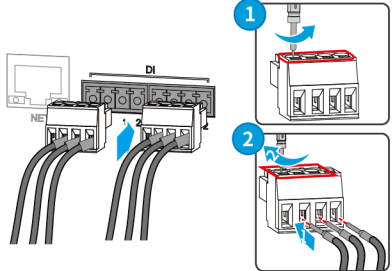
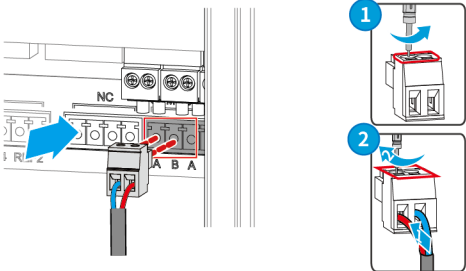






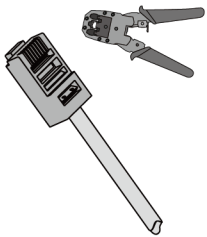


④ : Install or not based on local laws and regulations.

03 Installations

Steps	1 Installation	2 PE	3 PV	4 Battery	5 AC	6 COM	7 Communication module		
Inverter							Wi-Fi Kit	Bluetooth Module	4G Kit-EC 4G Kit-AU
Tools	<div>1 D: 80mm φ: 8mm</div> <div>2 M5 1.2~2N·m</div>	M5 1.5~2N·m	Recommend: PV-CZM-61100		<div>1</div> <div>2 M5 1.5~2N·m</div>	 1.5 N·m			

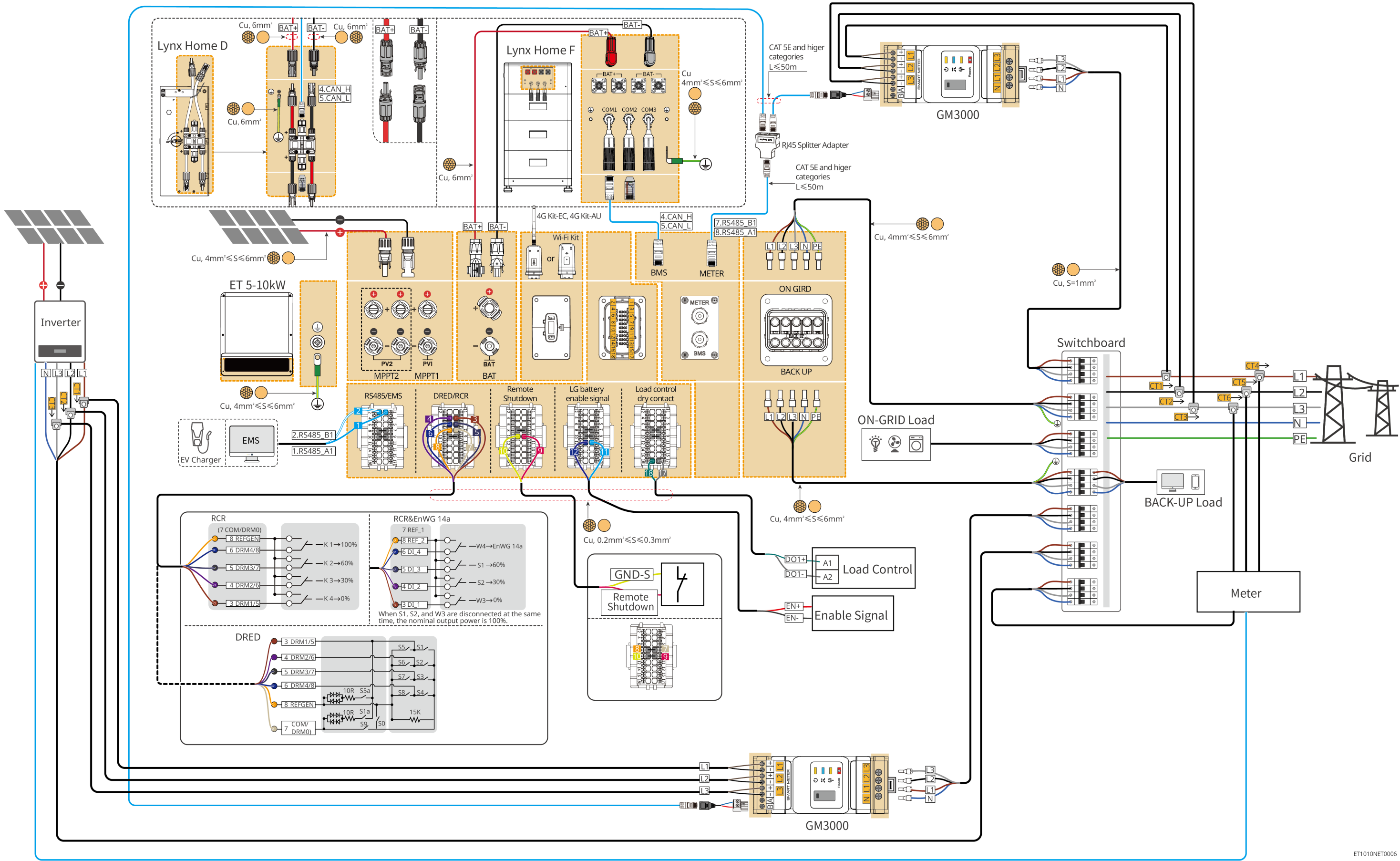
Steps	1 Installation					2 PE		3 Battery				4 COM	
Battery	Lynx Home F G2	Lynx Home F	Lynx Home F Plus+	Lynx Home D		Lynx Home F	Lynx Home D	Lynx Home F G2	Lynx Home F	Lynx Home F Plus+	Lynx Home D	Lynx Home F	Lynx Home D
Tools	<div><div><div>1</div><div>Ground</div><div></div></div><div><div>2</div><div>Wall</div><div></div></div><div><div>3</div><div>ST5.5</div><div>4N·m</div><div></div></div><div><div>4</div><div>M5</div><div>4N·m</div><div></div></div></div> <div><div><div>A1</div><div>B1</div><div></div></div><div><div>A2</div><div>B2</div><div></div></div><div><div>B4</div><div></div></div><div><div>B4</div><div></div></div></div> <div><div><div>A1</div><div>D: 60mm φ: 15mm</div><div></div></div><div><div>A2</div><div>M12</div><div>45N·m</div><div></div></div><div><div>B1</div><div>D: 60mm φ: 8mm</div><div></div></div><div><div>B2</div><div>M6</div><div>5N·m</div><div></div></div><div><div>B3</div><div></div></div><div><div>B4</div><div>M5</div><div>4N·m</div><div></div></div></div> <div><div><div>1</div><div>M6</div><div>6-7N·m</div><div></div></div><div><div>2</div><div>M5</div><div>4N·m</div><div></div></div></div> <div><div><div>1</div><div>M5</div><div>4N·m</div><div></div></div><div><div>2</div><div>M5</div><div>4N·m</div><div></div></div></div> <div><div>Recommend: YQK-70</div><div></div></div> <div><div>Recommend: YQK-70</div><div></div></div> <div><div>Recommend: YQK-70</div><div></div></div> <div><div>Recommend: YQK-70</div><div></div></div> <div><div>Recommend: VXC9</div><div></div></div> <div><div>M5</div><div>1.5-2N·m</div><div></div></div>												

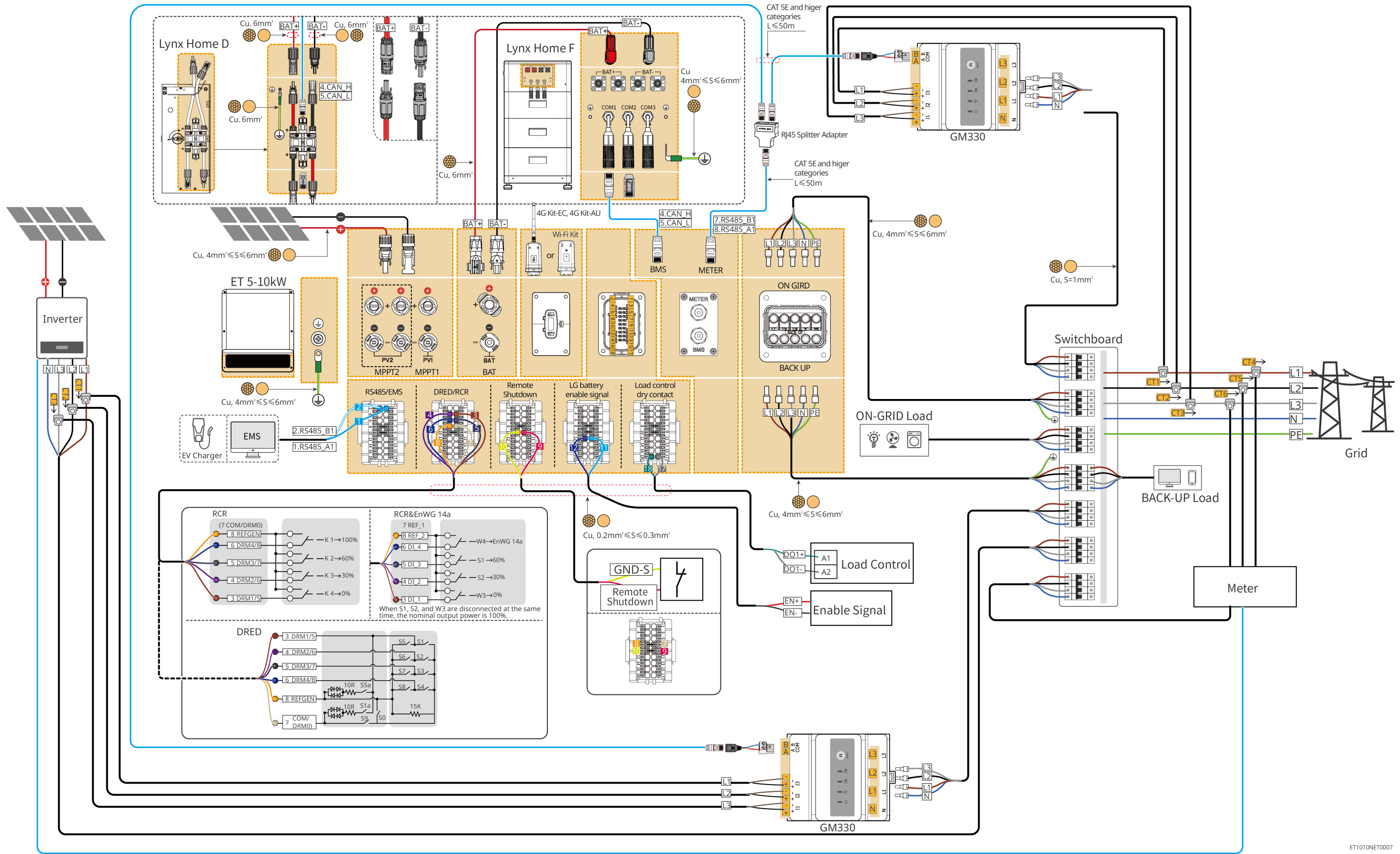
Steps	1 Installation		2 Cable Connections		3 Power	4 Commissioning	
Smart meter	GM3000	GM330	GM3000	GM330			
							or

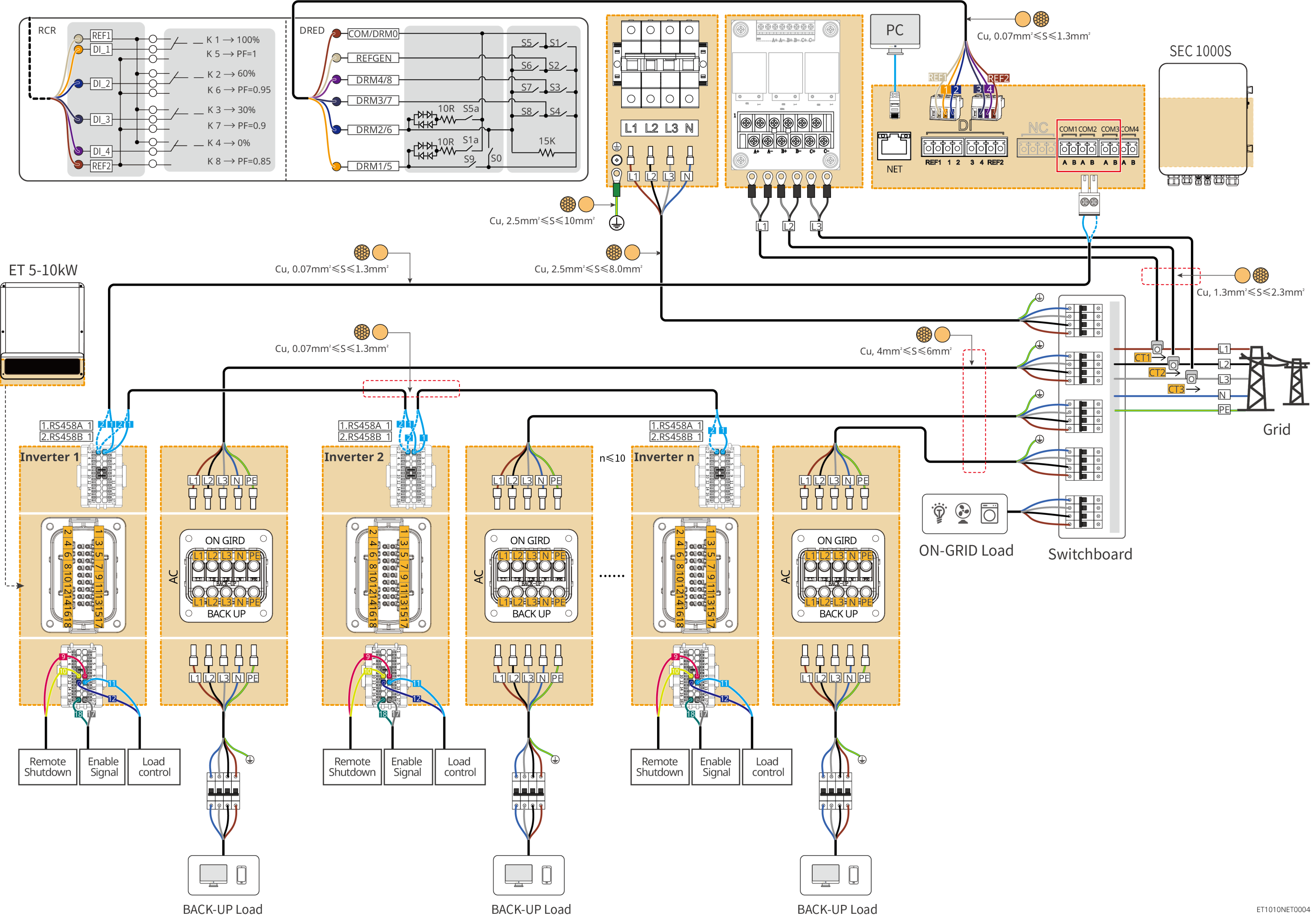
Steps	1 Installation	2 PE	3 AC	4 CT	5 NET	6 DI	7 RS485
Inverter							
Tools	<div> 1  D: 45mm φ: 8mm </div> <hr/> <div> 2  ST6.3 6N·m </div>	<div>  M5 1.2N·m </div>	<div> 2  M7 3.5N·m </div> <hr/> <div> 3  M5 1.2N·m </div>	<div>  M3 0.6N·m </div>		<hr/> <div>  M2 0.2-0.3 N·m </div>	<div>  M2 0.2-0.3 N·m </div>

04 Wiring Diagram

ET 5-10kW (single) + Lynx Home F or Lynx Home D+ GM3000 + WiFi/4G

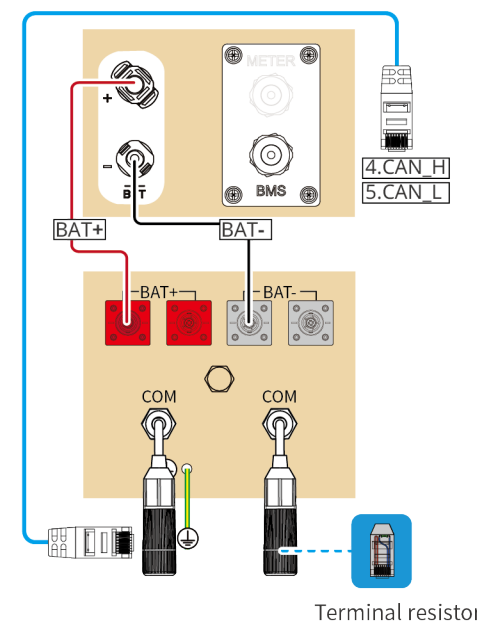




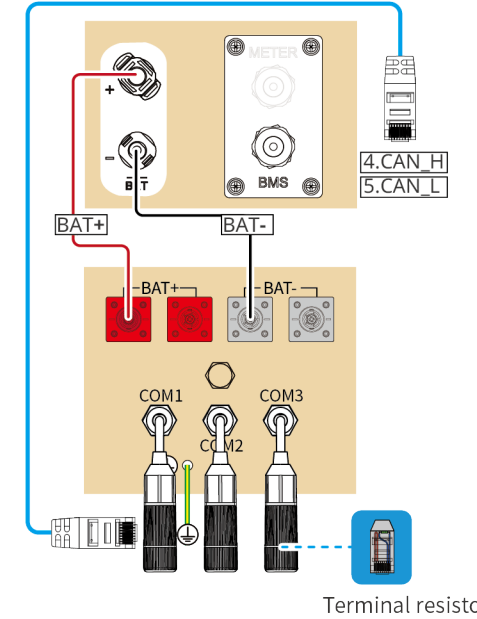


Battery System Wiring Diagram

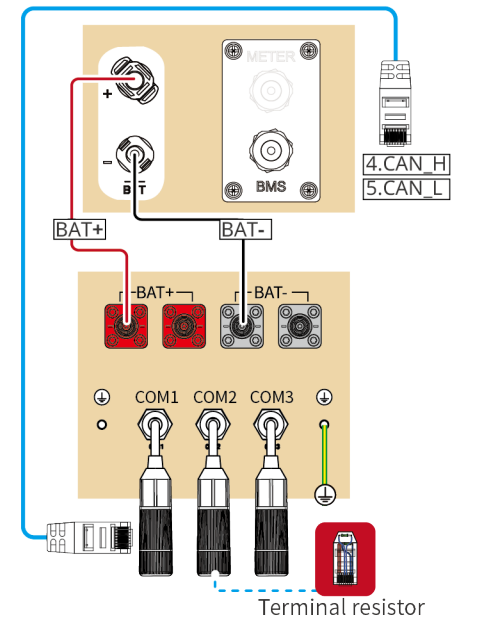
Lynx Home F (G1)



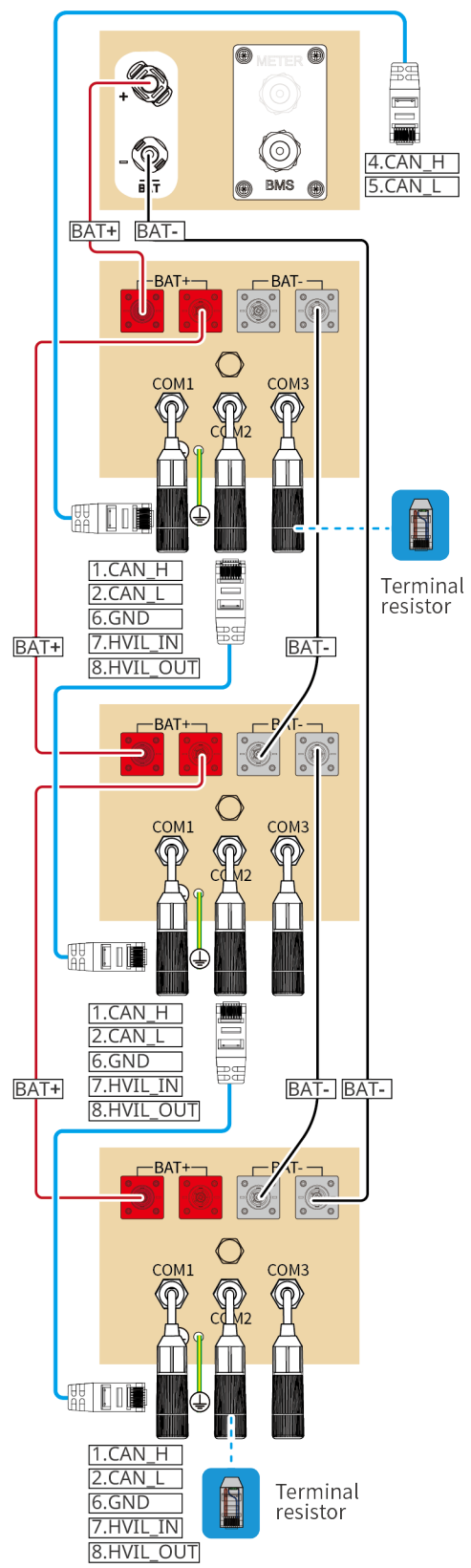
Lynx Home F (Plus+)



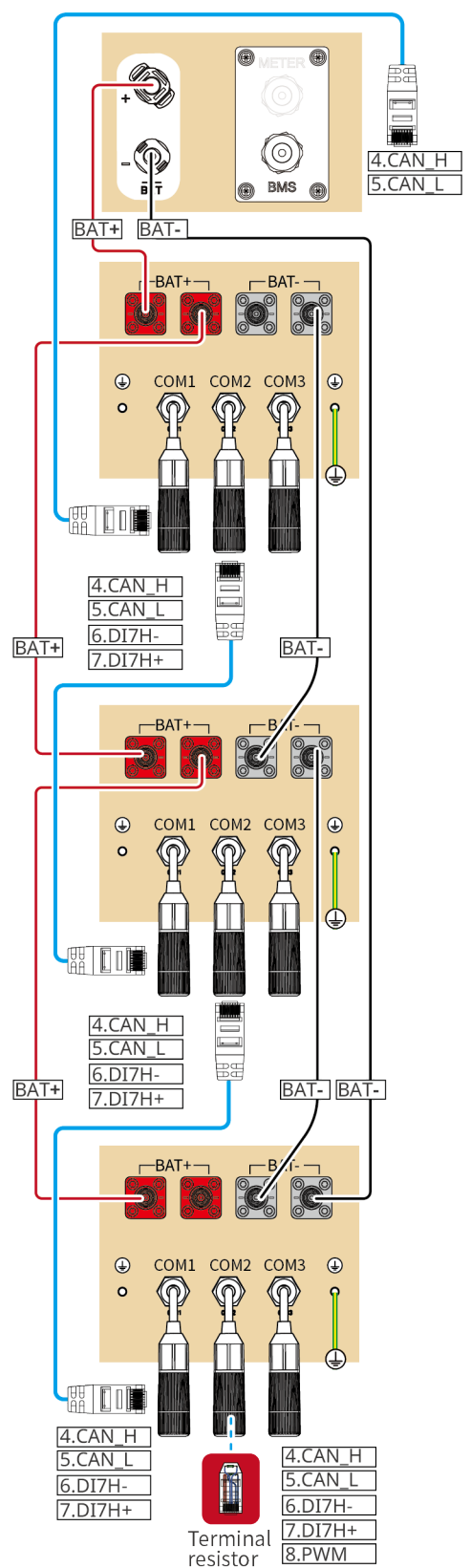
Lynx Home F (G2)



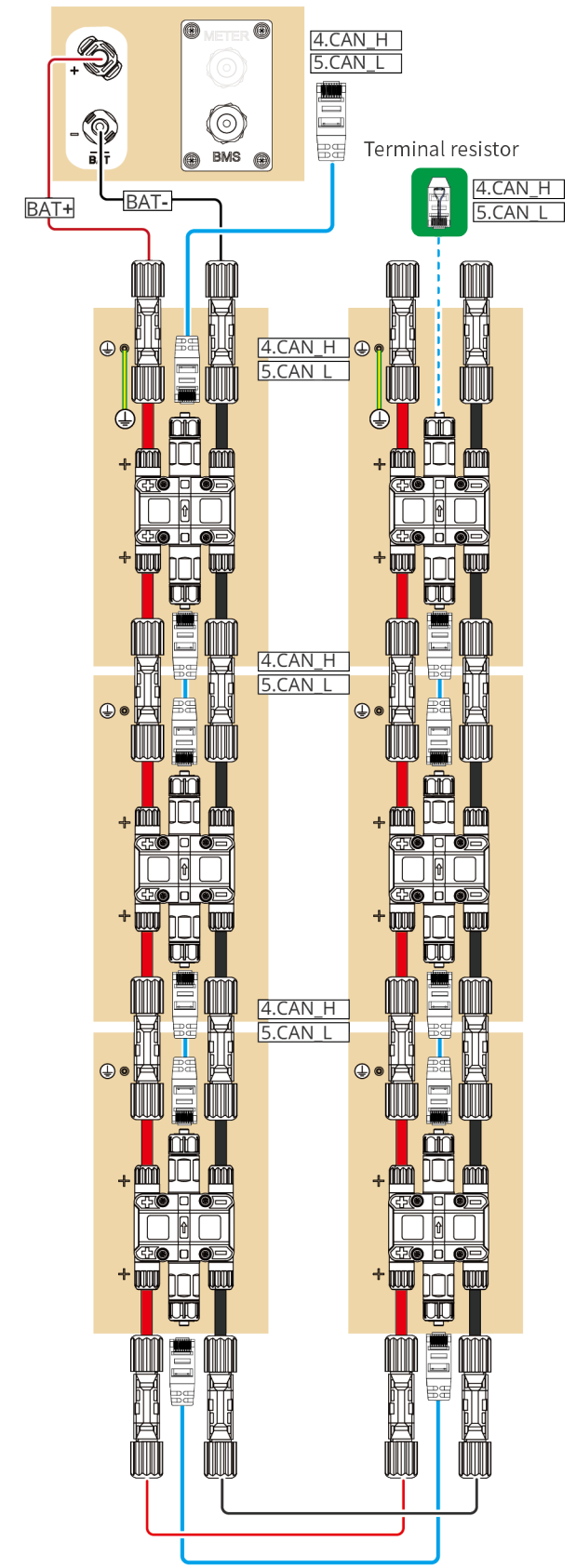
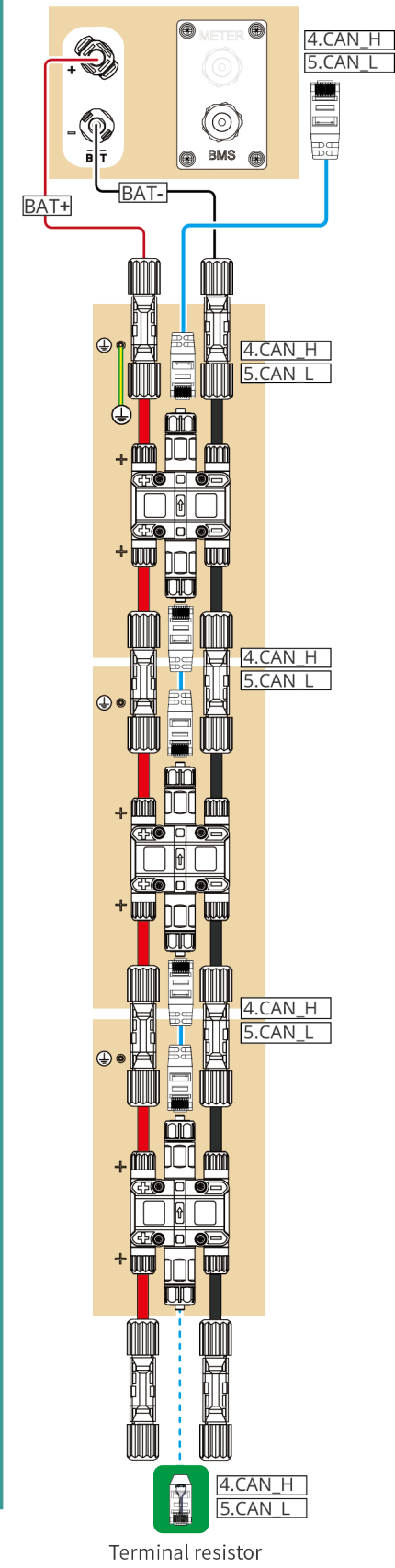
Lynx Home F (Plus+)



Lynx Home F (G2)



Lynx Home D



— CAT 5E and higher categories

05 Equipment Commissioning



Download and open the APP, follow the prompts to connect the device.

Quick Settings

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

Setting the Safety Code

Setting the BAT Connect Mode

Setting the Working Mode

Setting the Advanced Parameters (single inverter only)

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

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

The function is disabled by default, if you need **DRED/Remote Shutdown/RCR/EnWG 14a** function, enable it. To use the EnWG 14a, please ensure that the ARM software version is 31.297 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 > Network Settings** to set network parameters.

WiFi Kit

Configuring the SEC1000S (parallel system only)

Connect the SEC1000S and PC using a network cable, and configure the two on the same network segment. Default IP of the SEC1000S: 192.168.1.200.
Start ProMate and click **DataLogger > LAN Configuration** to fill in the IP information. Click **Connect** to connect the ProMate and the SEC1000S.

Double Meter Setup



Click on the SolarGo APP, go to **Settings > Meter Function > Meter Binding**, and set the meter parameters. Click , manually enter the meter SN or scan the meter SN QR code to bind the external meter. When the bound meter model is GM330, please set the meter CT ratio according to the actual situation, and click  to complete the setup. For other meters, there is no need to set the meter CT ratio. To unbind the external meter, please click **Unbind**.

Figure 1-15 Binding External Meter

Creating a Power Plant

Create power plants and add equipments via SEMS Portal app.