GOODWE

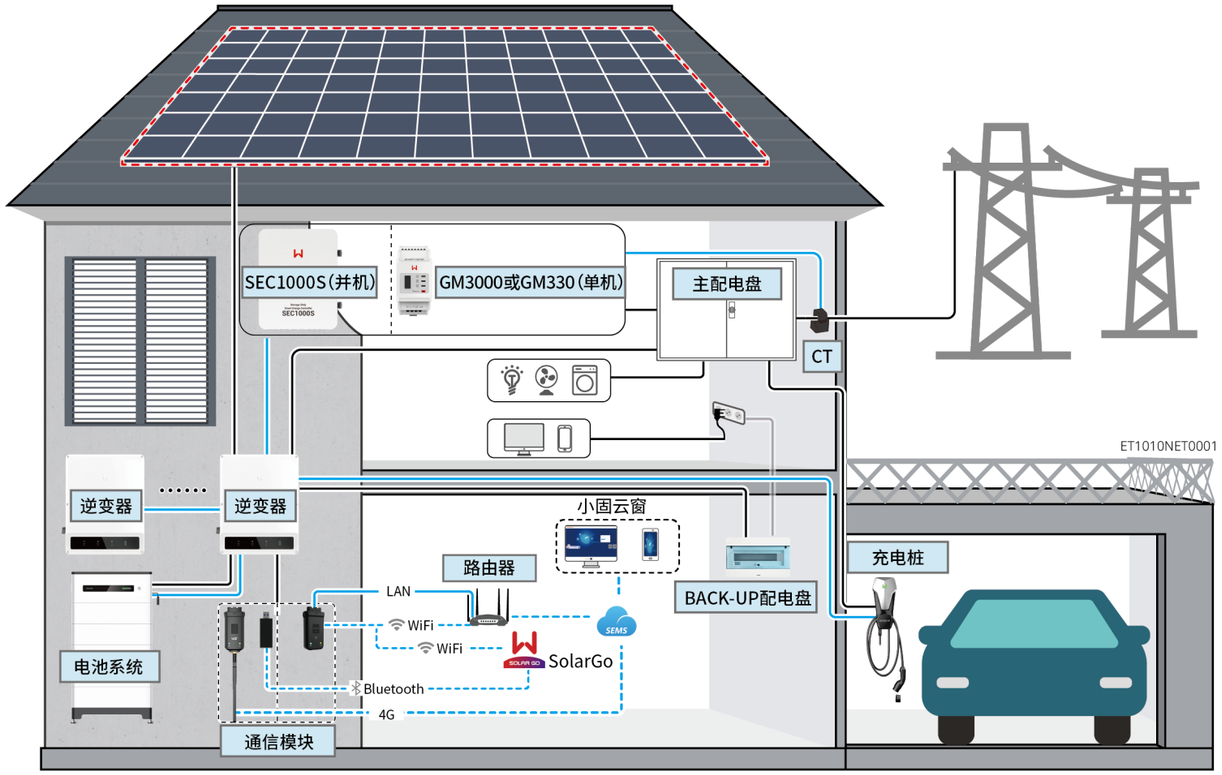
ET 5.0-10.0kW 户用智能逆变器 解决方案指南

V1.4-2025-06-16

⚠ 警告

因产品版本升级或其他原因，文档内容会不定期进行更新，如无特殊约定，文档内容不可取代产品标签或用户手册中的安全注意事项。文档中的所有描述仅作为使用指导。

01 组网介绍



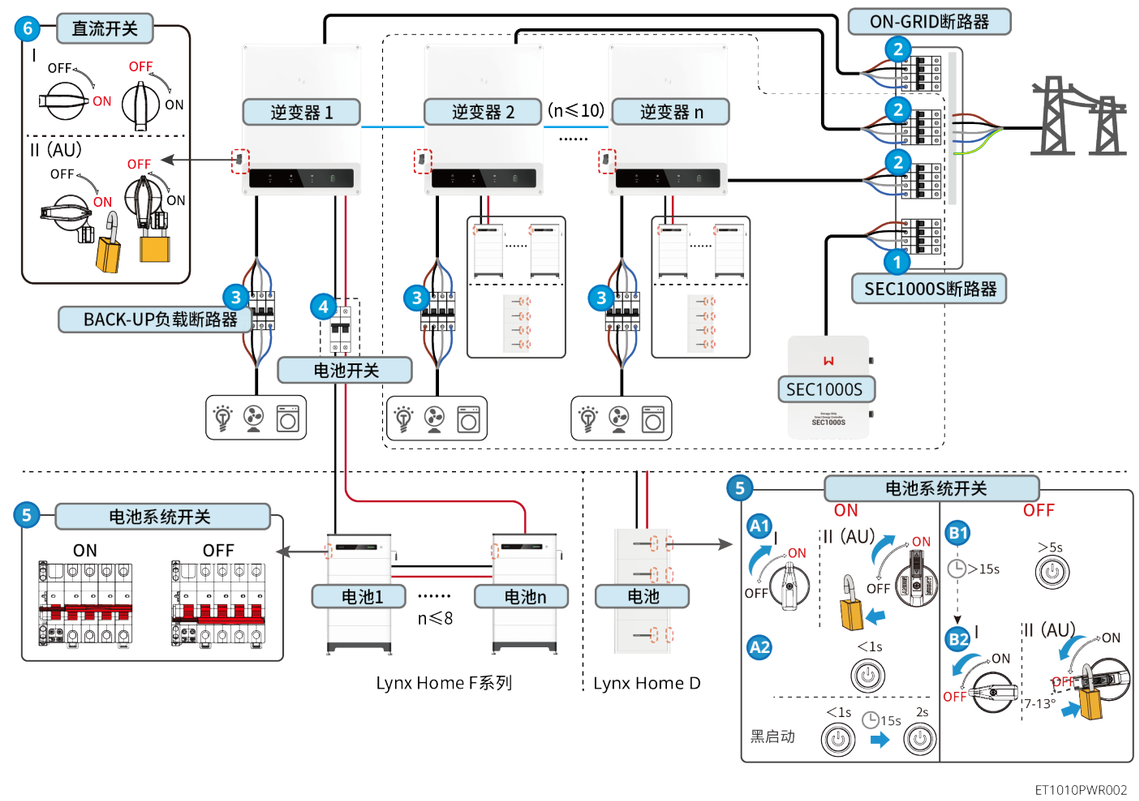
设备类型	型号			说明
逆变器	GW5KL-ET, GW6KL-ET, GW8KL-ET, GW10KL-ET, GW5KN-ET, GW6.5KN-ET, GW8KN-ET, GW10KN-ET, GW5K-ET, GW6.5K-ET, GW8K-ET, GW10K-ET			-
电池系统	Lynx Home F (G2) LX F9.6-H-20 LX F12.8-H-20 LX F16.0-H-20 LX F19.2-H-20 LX F22.4-H-20 LX F25.6-H-20	Lynx Home F 、F Plus LX F6.6-H LX F9.8-H LX F13.1-H LX F16.4-H	Lynx Home D LX D5.0-10	• 系统中最多支持 8 簇电池系统并簇 • 不同版本电池系统不可混搭使用

设备类型	型号	说明

智能电表	• GM3000
	• GM330
		• 仅适用于逆变器单机系统。
		• GM3000：随逆变器配发 、CT 不支持更换、CT 变比：120A/40mA
		• GM330(选配)：CT 支持从固德威或自行购买，CT 变比要求：nA/5A
		  • nA：CT 一次侧输入电流，n 的范围为 200-5000
		  • 5A：CT 二次侧输出电流

智能通信棒	• Wi-Fi Kit • LS4G Kit-CN 或 4G Kit-CN • WiFi/LAN Kit-20	• 适用于逆变器单机系统和并机系统。 • 并机系统中每台逆变器均需使用智能通信棒。
智能通信箱	SEC1000S	• 适用于逆变器并机系统，最多支持 10 台逆变器。 • 内置 GM3000 电表。

02 设备上下电

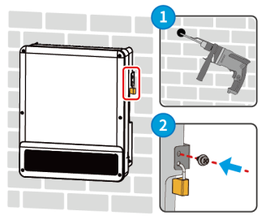
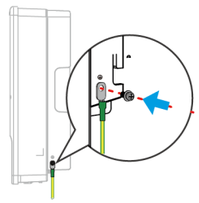
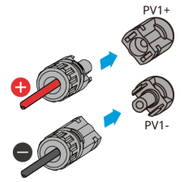
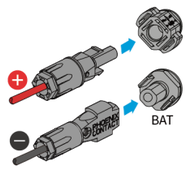
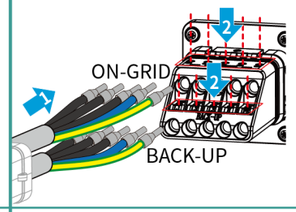
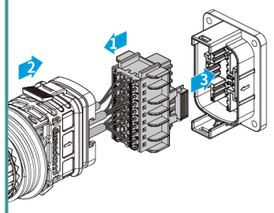
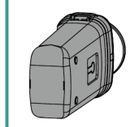
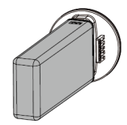
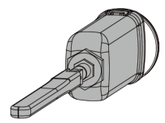
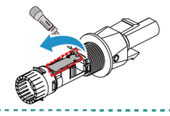
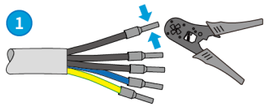
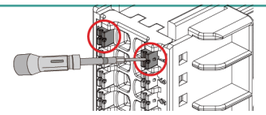
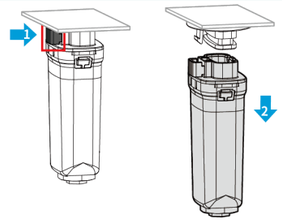


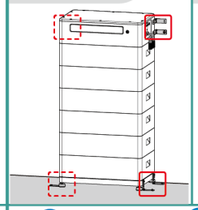
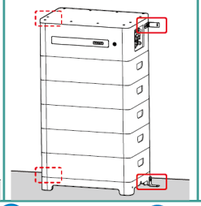
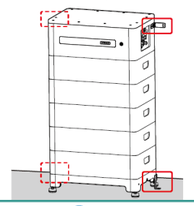
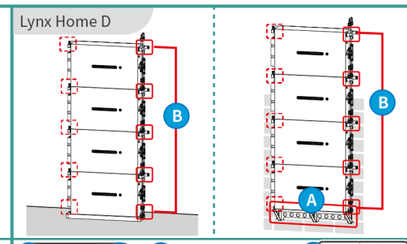
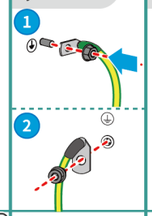
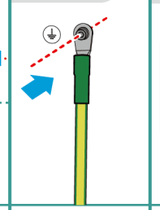
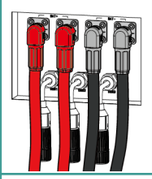
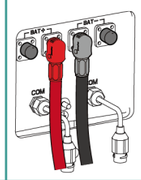
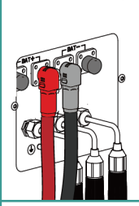
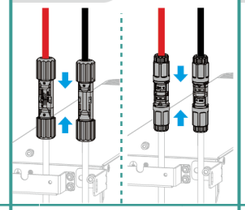
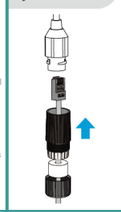
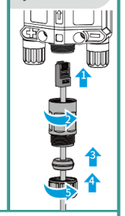
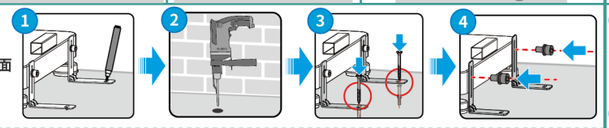
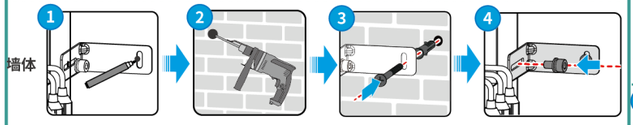
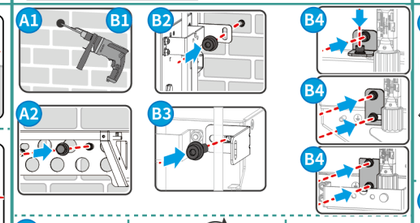
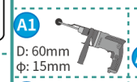
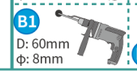
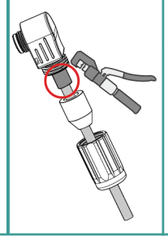
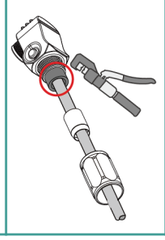
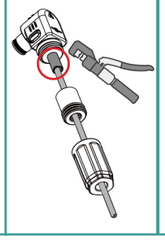
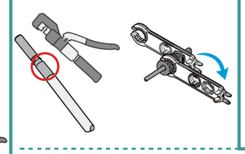
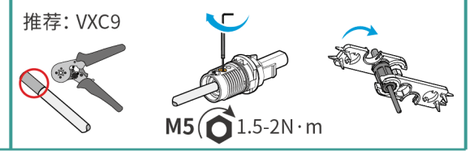
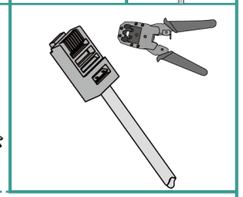
上/下电步骤

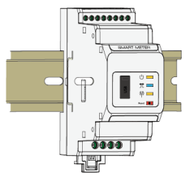
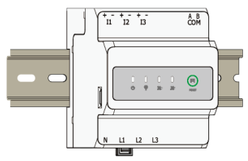
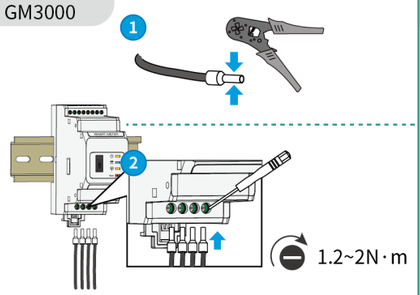
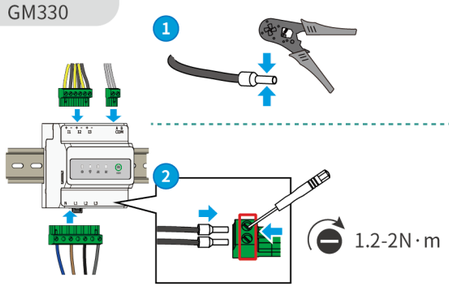
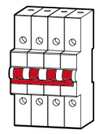
1 → 2 → 3 → 4 → 5 → 6

④：根据当地法律法规选配。

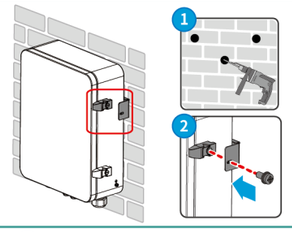
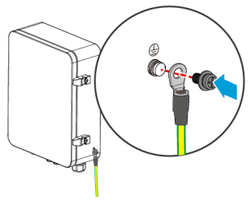
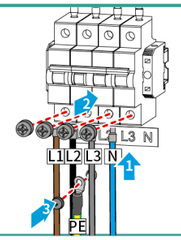
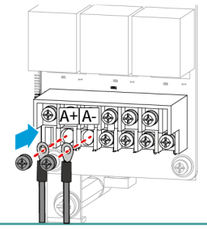
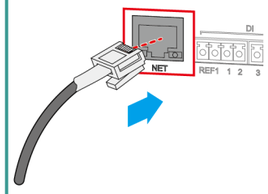
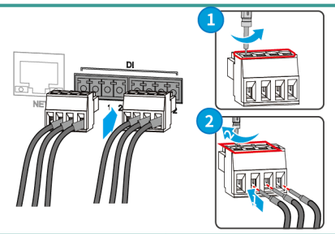
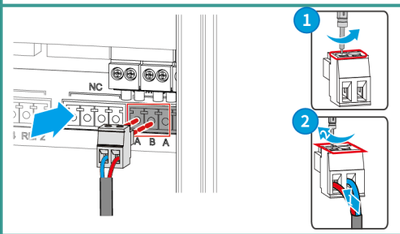
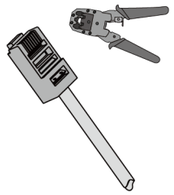
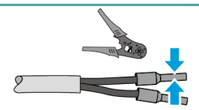
03 安装流程

流程	❶ 安装	❷ 地线	❸ PV线	❹ 电池线	❺ AC线	❻ 通信线	❼ 模块
逆变器							Wi-Fi Kit  Bluetooth Module  4G Kit-EC 4G Kit-AU 
工具	❶ D: 80mm ϕ: 8mm ❷ M5 1.2~2N·m	M5 1.5~2N·m	推荐: PV-CZM-61100		❶  ❷ M5 1.5~2N·m	 1.5 N·m	

流程	❶ 安装				❷ 地线		❸ 功率线				❹ 通信	
电池	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 
工具	地面  墙体  ❷ D: 80mm ϕ: 10mm ❸ ST5.5 4N·m ❹ M5 4N·m			 A1 D: 60mm ϕ: 15mm  A2 M12 45N·m B1 D: 60mm ϕ: 8mm  B2 B3 M6 5N·m B4 M5 4N·m	❶ M6 6-7N·m ❷ M5 4N·m	M5 4N·m	推荐: YQK-70 	推荐: YQK-70 	推荐: YQK-70 	推荐: YQK-70  推荐: VXC9 	

流程	❶ 安装		❷ 接线		❸ 上电	❹ 调测
电表	GM3000 	GM330 	GM3000 	GM330 	 AC断路器	SolarGo APP 小固云窗 APP 或 小固云窗 WEB

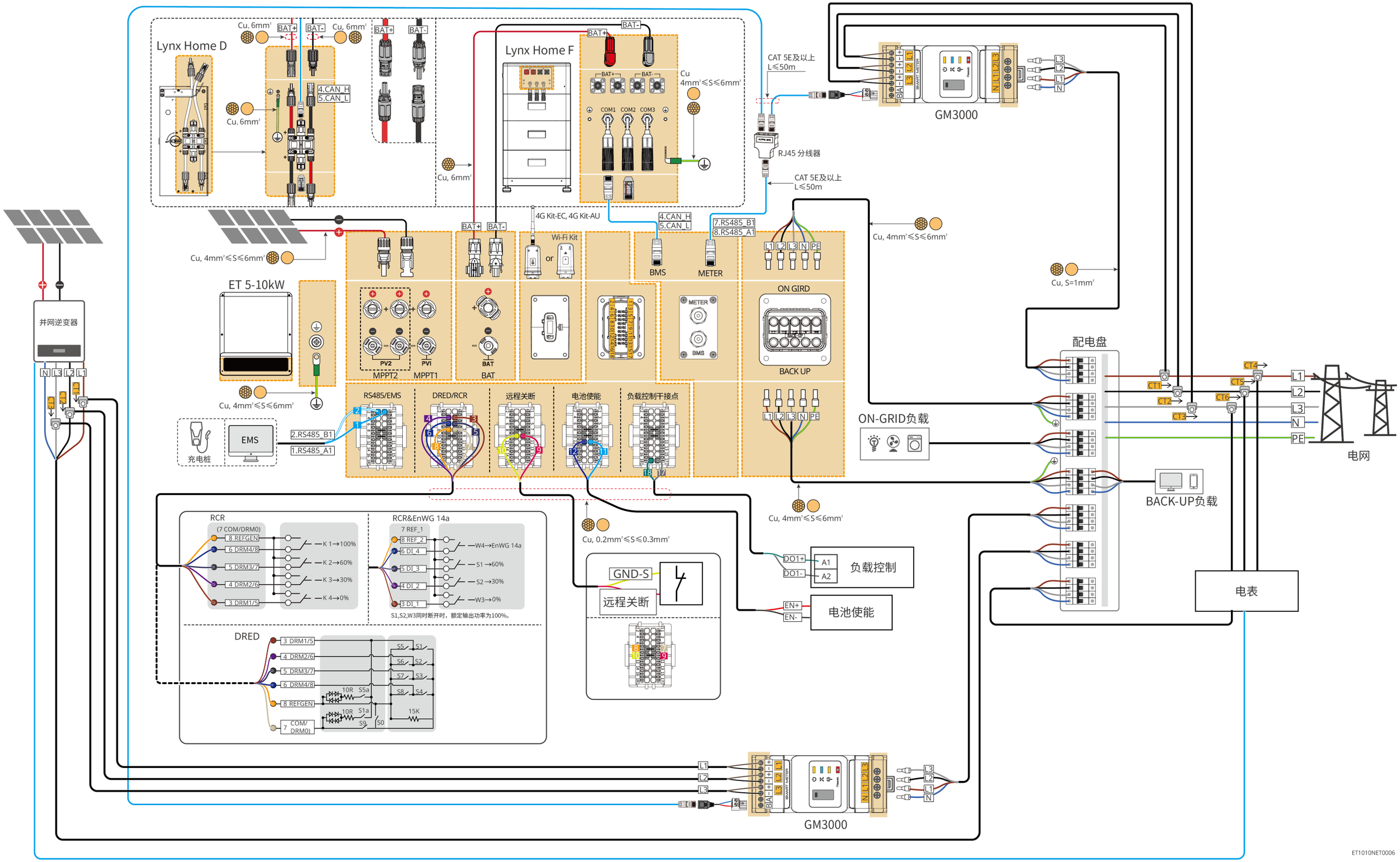
ET1010INT0001

流程	❶ 安装	❷ 地线	❸ AC线	❹ CT线	❺ 网线	❻ DI线	❼ RS485线
SEC1000S							
工具	D: 45mm ϕ: 8mm ST6.3 6N·m 	M5 1.2N·m 	M7 3.5N·m M5 1.2N·m 	M3 0.6N·m 		 M2 0.2-0.3 N·m 	M2 0.2-0.3 N·m

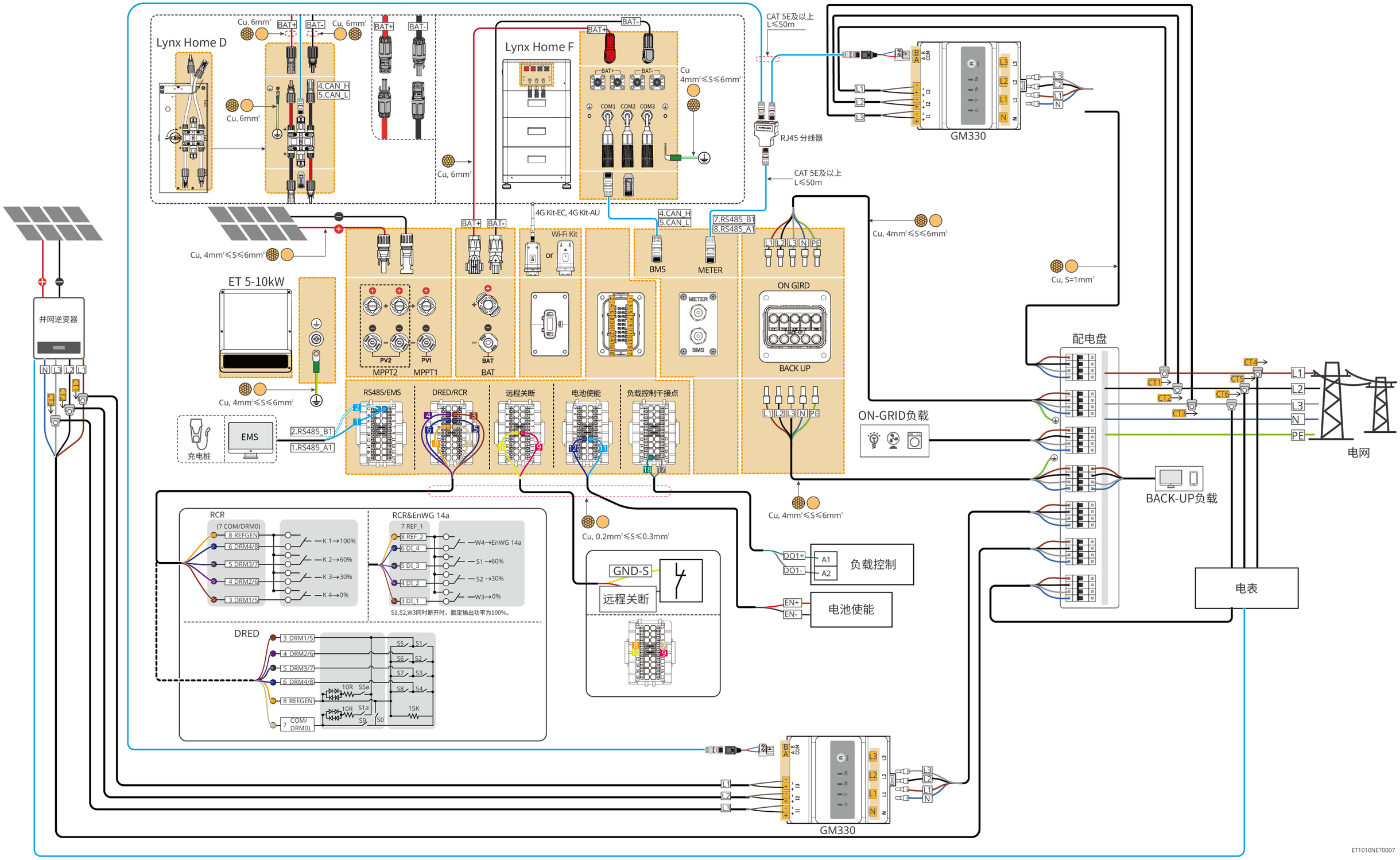
ET1010INT0002

04 接线详图

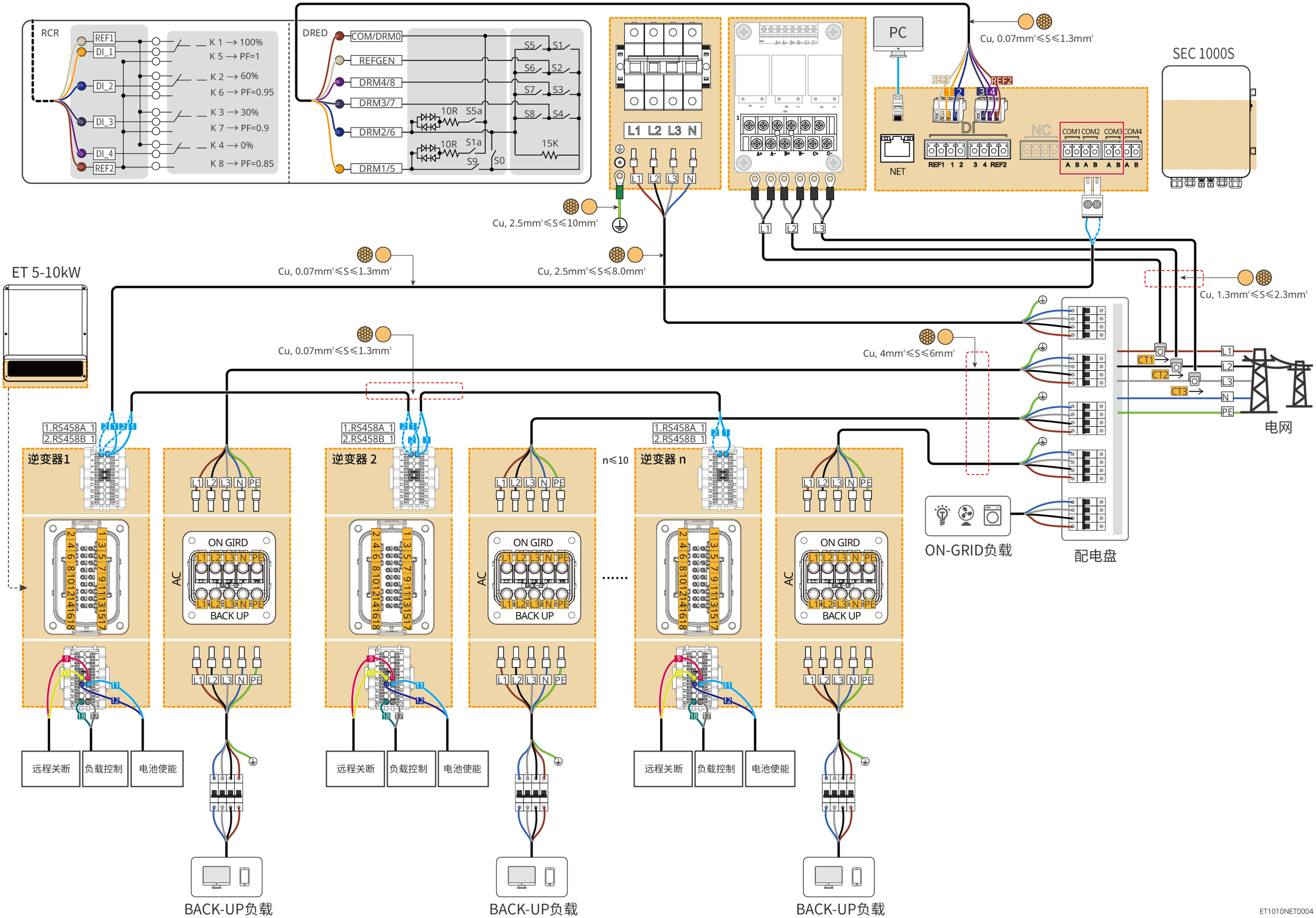
ET 5-10kW（单台）+ Lynx Home F或Lynx Home D + GM3000 + WiFi/4G



ET 5-10kW（单台）+ Lynx Home F或Lynx Home D + GM330 + WiFi/4G

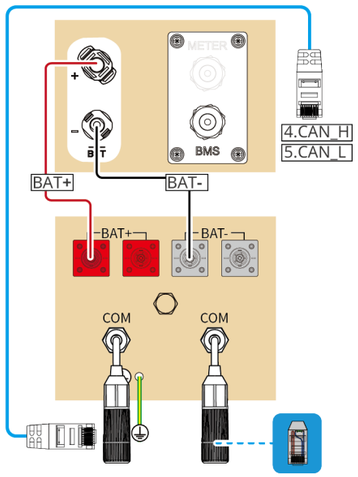


ET 5-10kW（多台）+ SEC1000S + WiFi/4G

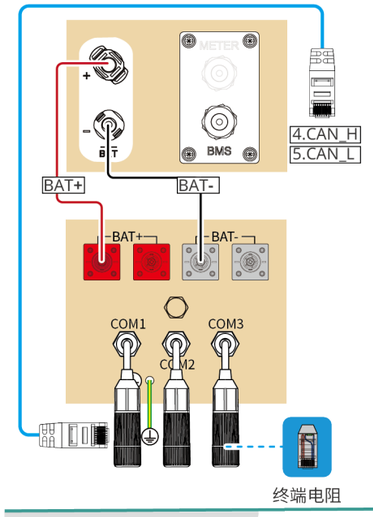


电池系统接线图

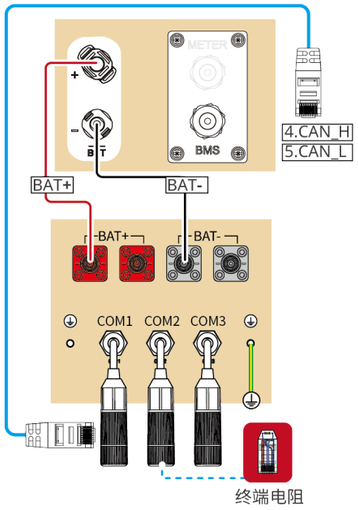
Lynx Home F (G1)



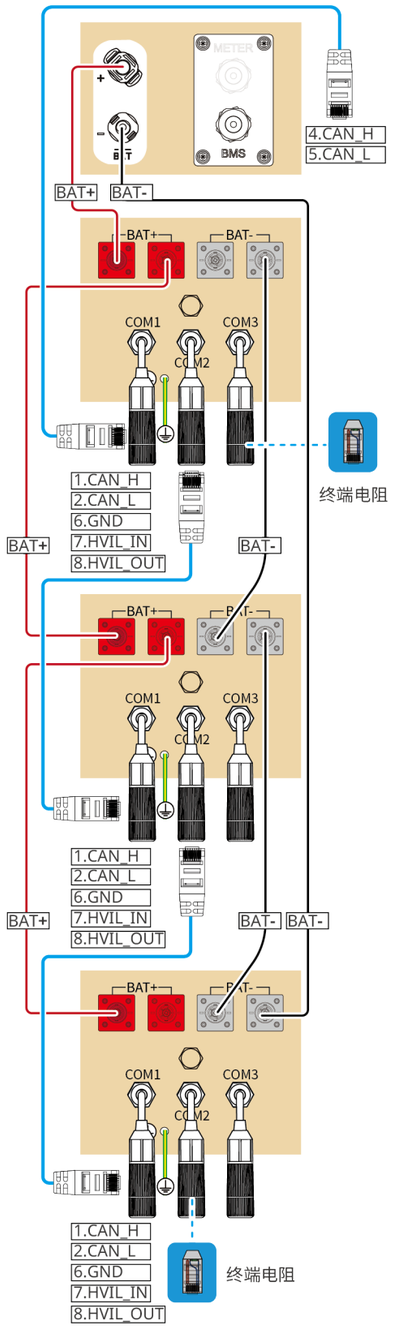
Lynx Home F (Plus+)



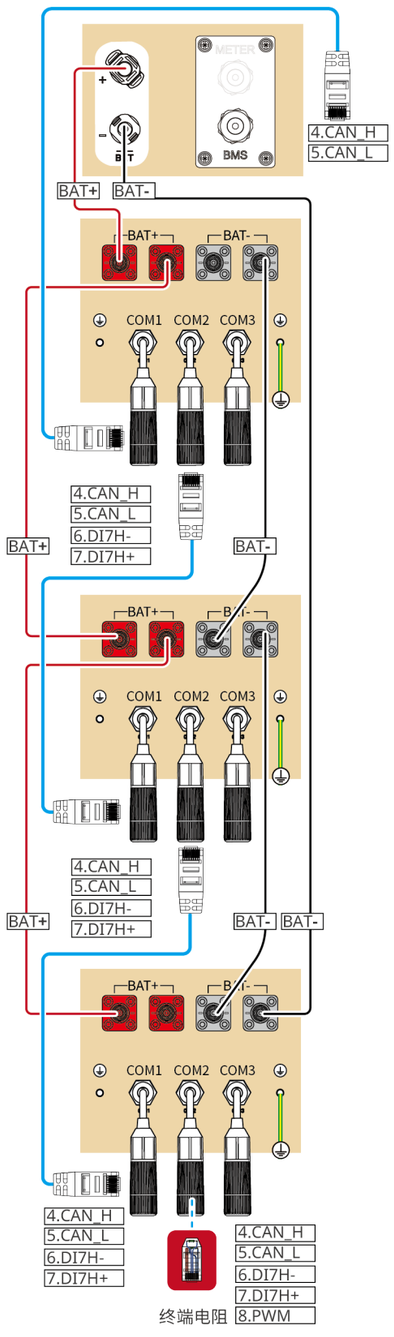
Lynx Home F (G2)



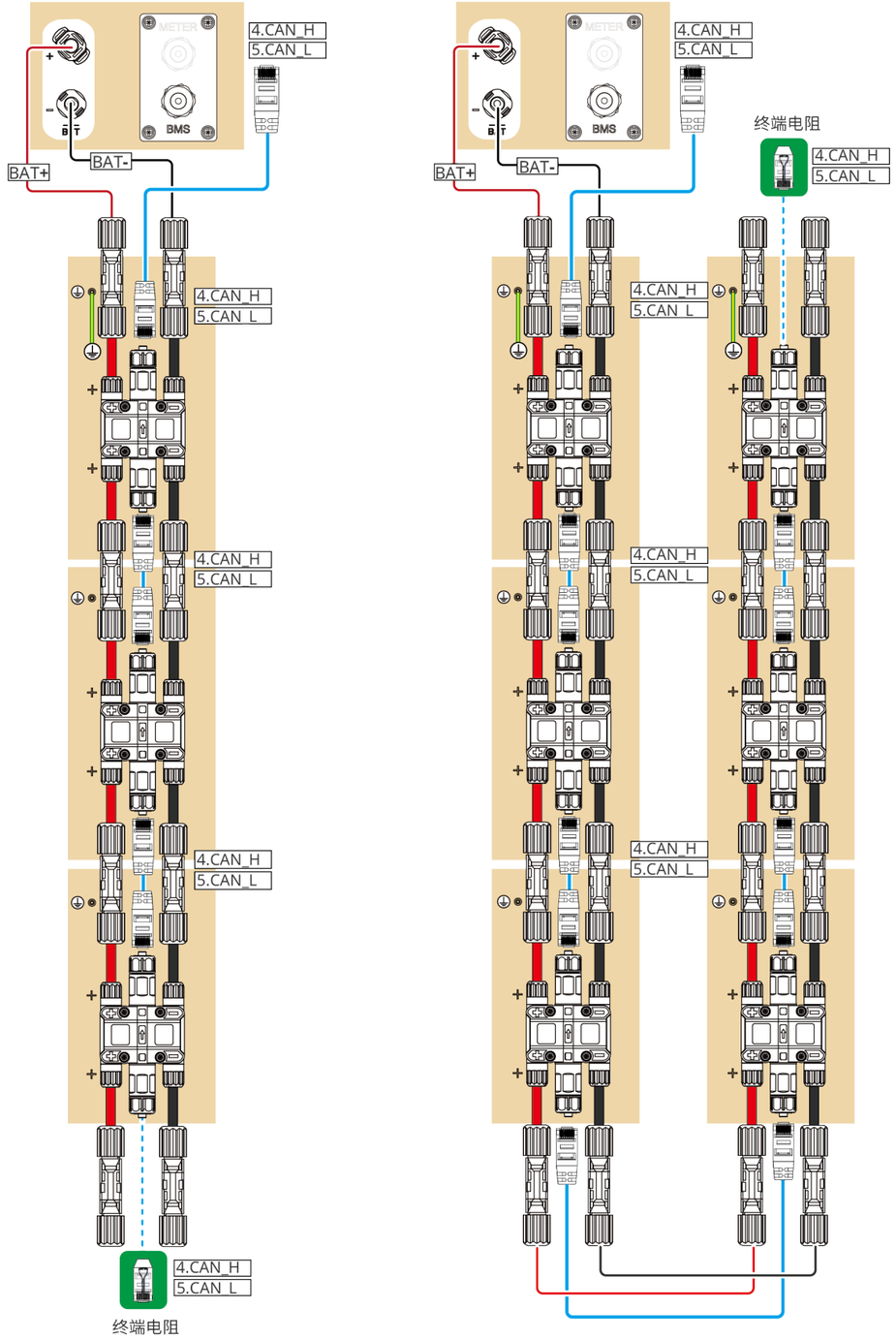
Lynx Home F (Plus+)



Lynx Home F (G2)



Lynx Home D



CAT 5E及更高的规格

05 设备调测

SolarGo APP

ProMate（PC端软件）

小固云窗 APP

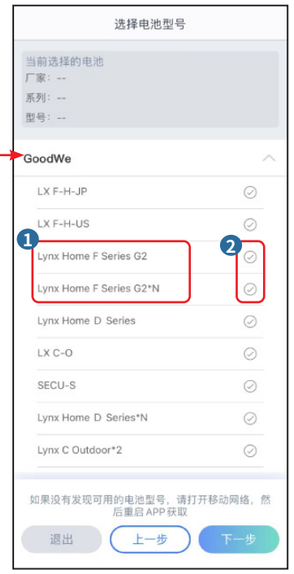
下载并打开 APP，根据界面提示连接逆变器信号。

快速设置

点击 SolarGo APP **主页** > **设置** > **快速设置**，根据界面提示完成逆变器快速设置。
安装商密码为：goodwe2010

安规国家设置

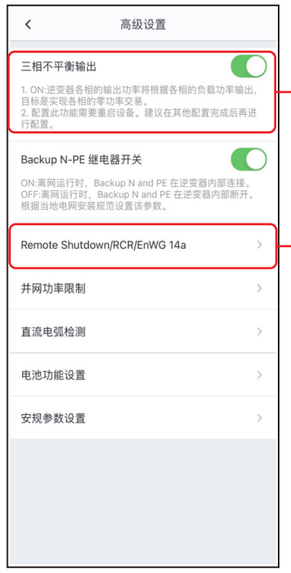
电池接入模式设置



工作模式设置

设置设备高级参数（仅适用于单机场景）

点击 SolarGo APP **主页** > **设置** > **高级设置**，完成以下逆变器高级设置。



当电网采用分相计费时，请启用三相不平衡输出功能。

该功能默认关闭。如需使用 DRED/Remote Shutdown/RCR/EnWG 14a 功能，将此开关打开。使用 EnWG 14a 功能时，请确保软件 ARM 版本在 31.297 及以上，SolarGo 版本 6.0.0 及以上。

并网功率限制设置

设置网络

点击 SolarGo APP 通过**主页** > **设置** > **通讯配置**，进入设置界面，设置网络参数。

WiFi Kit

配置SEC1000S（仅适用于并机场景）

将数据采集器与PC用网线连接并配置为同一网段。数据采集器默认IP：192.168.1.200。
启动ProMate，点击**DataLogger** > **LAN配置** 填入IP信息，点击**连接**按钮连接ProMate与数据采集器。

配置数据采集器的网络参数

设置各端口接入的逆变器数量

设置并机 DRED

设置并机防逆流功能

设置并机 RCR

双电表设置

点击 SolarGo APP 通过**设置** > **电表功能** > **电表绑定**，设置电表参数。

点击 ＋ ，手动输入电表 SN 或扫描电表 SN 二维码绑定外置电表。
当绑定的电表型号为 GM330 时，请根据实际设置电表 CT 比例，点击√完成设置。如使用其他电表，无需设置电表 CT 比例。
如需解绑外置电表，请点击解绑。

创建电站

请使用小固云窗 APP 完成电站创建和设备添加相关操作。

固德威技术股份有限公司
中国 苏州 高新区紫金路90号
400-998-1212
www.goodwe.com
service@goodwe.com