Version PC2.0 26.01

XIHO Floor-standing Battery PACK

User Manual

XH-V14 | XH-V15 | XH-V16

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Revision History
修订历史

Version 版本号	Date 日期	Revised Content 修订内容	Reasons for Change 变更原因	Reviser 修订者	Approve 批准
V PC1.0	2025.9.23	First Edition 第一版	First Draft 初稿	Daniel Mao	Tom Wang
V PC2.0	2026.1.06	Second Edition 第二版	Add Optional Accessories 增加可选配件	Daniel Mao	Tom Wang

1. Preface(前言)

This manual provides detailed product information and installation instructions for users of the stackable series products. Please read this manual carefully and keep it in a place convenient for installation, operation, and reference.

本手册将为堆叠式系列产品的用户提供详细的产品信息和安装说明。请仔细阅读本手册，并将其放置在您便于安装、操作和取用的地方。

The safety precautions mentioned in the manual do not represent all safety matters that should be complied with, but only serve as a supplement to safety considerations. During installation, operation, and maintenance of the equipment, local safety regulations and specifications should be observed. Only trained professionals are allowed to install, operate, and maintain the equipment. Issues or losses resulting from violations of general safety operation requirements or safety standards in the design, production, and use of the equipment will not be covered. Installation and maintenance personnel must possess skills for operating high voltage and alternating current. During installation, operation, and maintenance of the equipment, do not wear any conductive objects such as watches, bracelets, bangles, and rings, and prevent moisture from entering the equipment.

手册中提到的安全注意事项并不代表应遵守的所有安全事项，仅作为安全注意事项的补充。在安装、操作和维护设备时，应遵守当地的安全规定和规范。只有经过培训的专业人员才能安装、操作和维护设备。因违反一般安全操作要求或违反设备设计、生产和使用的安全标准而造成的问题，损失责任将不予承担。安装和维护人员必须具备高压和交流电操作技能。在安装、操作和维护设备时，不得佩戴任何导电物体，如手表、手镯、手链和戒指，并防止湿气进入设备。

⚠ Safety Instructions(安全说明)

High Voltage Hazard(高压危险)

High voltage power supplies the electricity for the equipment's operation. Direct contact or indirect contact with high voltage power through wet objects will cause fatal danger.

高压电源为设备运行提供电力。直接接触或通过潮湿物体间接接触高压电源将造成致命危险。

Use Professional Tools(使用专业工具)

When handling high voltage and alternating current, always use professional tools; do not use personal tools.

在处理高压和交流电时，务必使用专业工具，切勿使用个人工具。

Anti-static(防静电)

Static electricity generated by the human body can damage static-sensitive components on the board. Before touching plugs, circuit boards, or chips, always take appropriate anti-static measures.

人体产生的静电会损坏板上的静电敏感元件。在接触插件、电路板或芯片之前，请务必采取适当的防静电措施。

Operation Precautions(操作注意)

Power must be cut off before operation; live work is prohibited.

操作前必须先切断电源，禁止带电作业。

DC Short Circuit Hazard(直流短路危险)

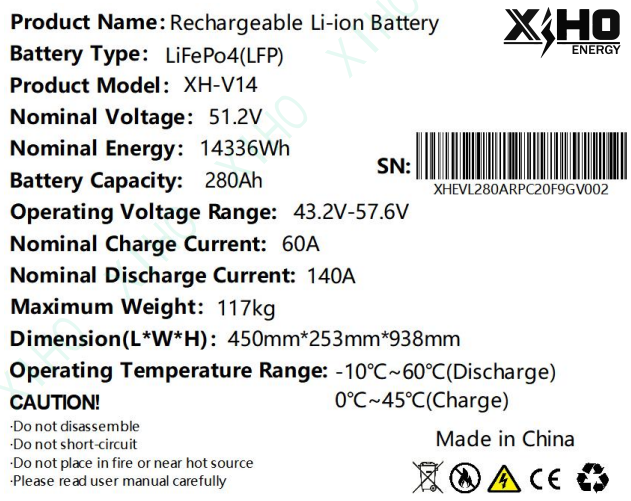
The power system provides DC regulated power; a DC short circuit will damage the equipment and cause personal injury.

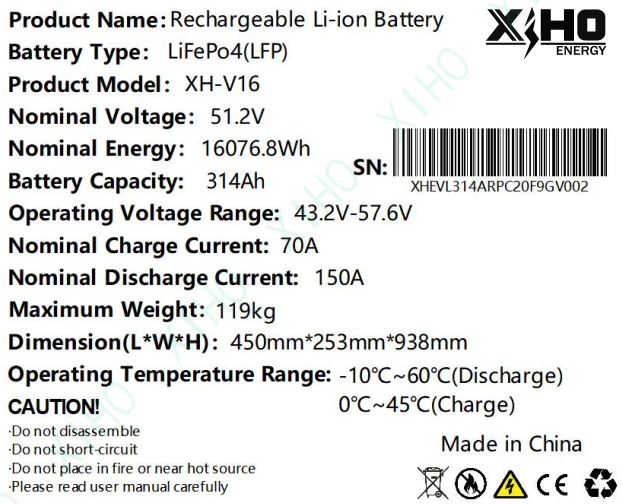
电源系统提供直流稳压电源，直流短路会损坏设备并造成人身伤害。

2.Label Description(标签说明)

The label contains the following information. The actual label content is subject to the label affixed to the goods. Product information can be queried on the XIHO official website using the 21-digit SN code; the query URL is as follows:
https://www.xihopower.com/qr-decoder/XIHO_Battery_QR_Decoder/

标签包含以下信息，实际标签内容以货品上张贴为准，可通过21位SN码，在星虹官方网站上查询产品信息；查询网址如下：
https://www.xihopower.com/qr-decoder/XIHO_Battery_QR_Decoder/





3. Product Advantages(产品优势)

This product is a Lithium Iron Phosphate battery (LFP LiFePO4) composed of 16 cells in series, suitable for home energy storage systems. It can be customized according to customer needs to meet diversified application scenarios, providing stable power for various user devices.

本产品是由16节电芯串联组成的磷酸铁锂电池（LFP LiFePO4），适用于家庭储能系统。可根据客户需求定制，满足多样化应用场景，为用户的各种设备提供稳定电力。

3.1 Built-in Battery Management System (BMS): Equipped with multiple protection functions such as overcharge, over-discharge, over-current, temperature control, short circuit, etc;

内置电池管理系统(BMS)： 具备过充、过放、过流、温度控制、短路等多种保护功能；

3.2 Passive Balancing Function: Features voltage balancing function during the charging process;

被动均衡功能：在充电过程中具有电压均衡功能；

3.3 High Cost Performance: High safety performance, long service life, stable and reliable quality;

高性价比： 安全性能高，使用寿命长，质量稳定可靠；

3.4 Scalability: Equipped with RS485/CAN bus ports, supporting up to 15 units in parallel;

可扩展性：配备RS485/CAN总线端口，最多支持15台并联；

3.5 Operating Temperature Range: 0℃~45℃ (charge), -10℃~60℃ (discharge), excellent high-temperature discharge performance;

工作温度范围：0℃~45℃(充电)，-10℃~60℃(放电)，优异的高温放电性能；

3.6 Convenience: Modular design, small size, light weight, easy to install and maintain.

便捷性：模块化设计，体积小，重量轻，便于安装和维护。

4. Product Technical Specifications(产品技术参数)

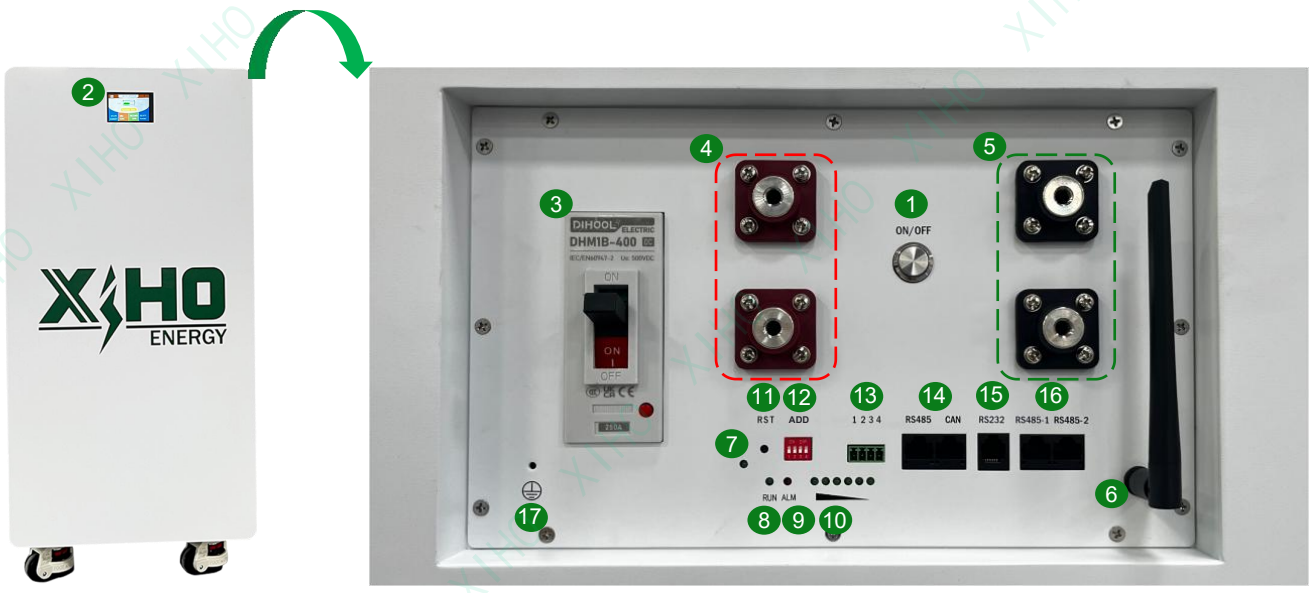
4.1 Specification Description(规格说明)

Item 项目	Specifications 规格		
Model 型号	XH-V14	XH-V15	XH-V16
Nominal Voltage 标称电压	51.2V	51.2V	51.2V
Operating Voltage 工作电压	43.2V-57.6V	43.2V-57.6V	43.2V-57.6V
Nominal Capacity 标称容量	280AH	300AH	314AH
Total Energy 总能量	14336Wh	15360Wh	16076.8Wh
Configuration 配置	16S1P	16S1P	16S1P
Operation Temperature 工作温度	0℃~45℃(Charge) 0℃~45℃(充电)	0℃~45℃(Charge) 0℃~45℃(充电)	0℃~45℃(Charge) 0℃~45℃(充电)
	-10℃~60℃(Discharge) -10℃~60℃(放电)	-10℃~60℃(Discharge) -10℃~60℃(放电)	-10℃~60℃(Discharge) -10℃~60℃(放电)
Standard Charge Current 标准充电电流	60A	70A	70A
Standard Discharge Current 标准放电电流	140A	150A	150A
Maximum Continuous Charge Current 最大持续充电电流	140A	150A	150A
Maximum Continuous Discharge Current 最大持续放电电流	200A	200A	200A
Communication Protocols 通信协议	RS485/RS232/CAN	RS485/RS232/CAN	RS485/RS232/CAN
Dimensions(L*W*H) 尺寸(长*宽*高)	450mm*253mm*938mm	450mm*253mm*938mm	450mm*253mm*938mm
Maximum Net Weight 最大净重	117kg	118kg	119kg

4.2 Device Interface Description(设备接口说明)

The appearance of batteries of different versions may vary slightly. The following figure takes the XH-V16 as an example:

不同版本的电池外观会略有差异。如下图所示，以XH-V16为例：



① **Power Switch:** Used to turn the battery pack ON/OFF; ON: Power on; OFF: Power off.
电源开关：用于电池组的开关机；ON 开机；OFF：关机。

② **Touch Color Screen:** Displays battery voltage, SOC (State of Charge), temperature, etc.
触摸彩屏：显示电池电压、SOC（荷电状态）、温度等。

③ **Circuit Breaker:** Protects the battery from overload and short circuit.
断路器：保护电池免受过载和短路影响。

④ **Positive Terminal:** Connects to the positive terminal of the inverter via cable for DC output.
正极端子：通过电缆连接到逆变器的正极进行直流输出。

⑤ **Negative Terminal:** Connects to the negative terminal of the inverter via cable for DC output.
负极端子：通过电缆连接到逆变器的负极进行直流输出。

⑥ **Antenna:** Used to enhance WiFi and Bluetooth signals.
天线：用于增强WiFi和蓝牙信号。

⑦ **Power Indicator Light:** Turn on then light-on, turn off then light-off.
电源指示灯： 开启时亮起，关闭时熄灭。

⑧ **Run Indicator Light:** Green LED light displays the battery operating status.
运行指示灯： 绿色 LED 灯显示电池运行状态。

⑨ **Alarm Indicator Light:** Flashing red LED indicates a battery alarm.
报警指示灯： 红色 LED 闪烁表示电池报警。

⑩ **Battery Capacity Indicator Light:** Six green LED lights display the current battery capacity.
电池电量指示灯： 六颗绿色 LED 灯显示电池当前电量。

LED Working Status Indication
LED工作状态指示

Status	Normal/Alarm/Protection	ON/OFF	RUN	ALM	Capacity LEDs						Description
					L6	L5	L4	L3	L2	L1	
		🟢	🟢	🔴	🟢	🟢	🟢	🟢	🟢	🟢	
Power Off	Sleep	OFF	Off	Off	Off	Off	Off	Off	Off	Off	All indicators off
Standby	Normal	ON	**Flash 1**	Off	According to capacity level						Standby state
	Alarm	ON	Flash 1	**Flash 3**							Alarm active
Charging	Normal	ON	**Steady On**	Off	According to capacity (Highest LED flashes 2x)						Charging normally
	Alarm	ON	Steady On	**Flash 3**							Charging with alarm
	Overcharge Protection	ON	Steady On	Off	ON	ON	ON	ON	ON	ON	Charging stopped
	Temp/Overcurrent/Fail Protect	ON	Off	**Steady On**	Off	Off	Off	Off	Off	Off	Protection activated
Discharging	Normal	ON	**Flash 3**	Off	According to capacity level						Discharging normally
	Alarm	ON	Flash 3	**Flash 3**							Discharging with alarm
	Undervoltage Protection	ON	Off	Off	Off	Off	Off	Off	Off	Off	Discharging stopped
	Temp/Overcurrent/Short-Circuit/Reverse/Fail	ON	Off	**Steady On**	Off	Off	Off	Off	Off	Off	Discharging stopped
Failure		**OFF**	Off	**Steady On**	Off	Off	Off	Off	Off	Off	Charge/Discharge stopped

Description of Battery Capacity Indicator
电池容量指示灯说明

State		Charge						Discharge					
Capacity Indicator		L6	L5	L4	L3	L2	L1	L6	L5	L4	L3	L2	L1
		●	●	●	●	●	●	●	●	●	●	●	●
Capacity (%)	0~16.6%	-	-	-	-	-	‖	-	-	-	-	-	●
	16.6~33.2%	-	-	-	-	‖	●	-	-	-	-	●	●
	33.2~49.8%	-	-	-	‖	●	●	-	-	-	●	●	●
	49.8~66.4%	-	-	‖	●	●	●	-	-	●	●	●	●
	66.4~83.0%	-	‖	●	●	●	●	-	●	●	●	●	●
	83.0~100%	‖	●	●	●	●	●	●	●	●	●	●	●
RUN Indicator		●						‖					

LED Flashing Description
LED闪动说明

Flashing Mode	Bright	Extinguish
● ●	Long Bright	Long Extinguish
‖	0.25S	3.75S
‖	0.5S	0.5S
‖ ‖	0.5S	1.5S

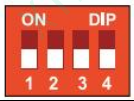
⑪ **Reset:** When the BMS is in an active state, press the button (6~10 seconds) and then release. The protection board will be reset, and all LED lights will illuminate simultaneously for 1.5 seconds. Parameters and functions set via the PC software are retained after the BMS reset. If restoring to initial parameters is needed, it can be achieved through the "Restore Defaults" function in the PC software, but related operational records and stored data (such as capacity, cycle count, protection records, etc.) remain unchanged.

复位：BMS 处于激活状态时，按下按键(6~10S)后松开，保护板被复位，LED 灯全部同时点亮 1.5秒。BMS 被复位后仍保留通过上位机设置的参数和功能，如果需要恢复到初始参数可以通过上位机的“恢复默认值”来实现，但相关运行记录和存储数据保持不变(如电量、循环次数、保护记录等)。

⑫ **DIP Switch Settings:** When the battery packs are used in parallel, the address can be set via the DIP switch on the BMS to distinguish different battery packs. Avoid setting the same address. The definition of the BMS DIP switch refers to the table below. In parallel mode, the pack with DIP address set to 1 is the master by default.

DIP开关设置： 当电池组作并联使用时，可通过 BMS 上的拨码开关设置地址区分不同的电池组，需避免地址设为相同。BMS 拨码开关的定义参照下表。并机模式下，默认拨码地址为 1 的为主机。

DIP Switch Diagram
拨码开关图示

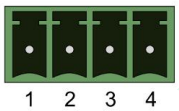


ON

OFF

Address	DIP switch position			
	#1	#2	#3	#4
1	ON	OFF	OFF	OFF
2	OFF	ON	OFF	OFF
3	ON	ON	OFF	OFF
4	OFF	OFF	ON	OFF
5	ON	OFF	ON	OFF
6	OFF	ON	ON	OFF
7	ON	ON	ON	OFF
8	OFF	OFF	OFF	ON
9	ON	OFF	OFF	ON
10	OFF	ON	OFF	ON
11	ON	ON	OFF	ON
12	OFF	OFF	ON	ON
13	ON	OFF	ON	ON
14	OFF	ON	ON	ON
15	ON	ON	ON	ON

⑬ **Dry Contact:** Output Description



干接点：输出描述

Dry Contact 1 - PIN1 to PIN2: normally open, closes when battery capacity is low.

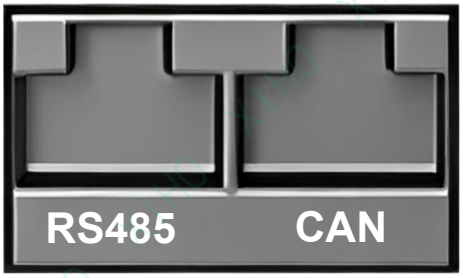
干接点1-PIN1到PIN2：常开，电池电量低时闭合。

Dry Contact 2 - PIN3 to PIN4: normally open, closes during fault protection.

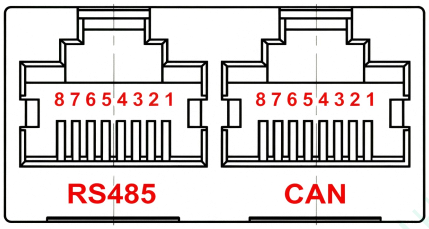
干接点2-PIN3到PIN4：常开，故障保护期间闭合。

⑭ **RS485 and CAN:** Used for communication connection between the inverter and battery pack.

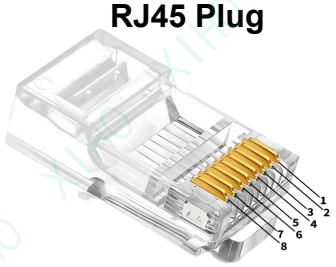
RS485和CAN： 用于逆变器和电池组之间的通信连接。



RJ45 Socket



RJ45 Plug

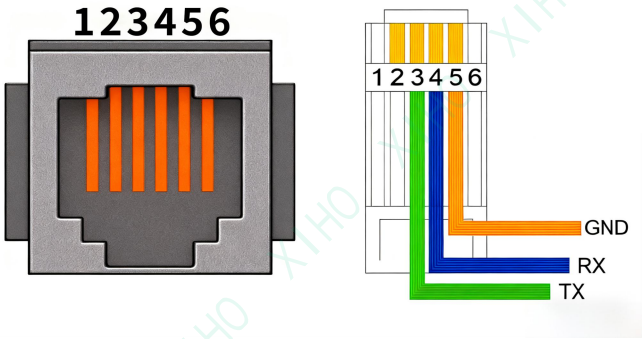


RS485-8P8C Vertical RJ45 Socket is Adopted		CAN-8P8C Vertical RJ45 Socket is Adopted	
RS485 PORT RJ45 PIN	**Definition Description**	**CAN PORT RJ45 PIN**	**Definition Description**
1、8	RS485-B	1、2、3、6、8	NC(Empty)
2、7	RS485-A	4	CAN-H
3、6	GND	5	CAN-L
4、5	NC(Empty)	7	GND

RS485 and CAN Communication Port Definition
RS485和CAN通信端口定义

⑮ **RS232 (For Debugging):** Used to connect to PC software for debugging by the manufacturer or professional engineers.

RS232 (调试用)：用于连接上位机，供制造商或专业工程师进行调试。



RS232-6P6C Vertical RJ11 Socket is Adopted	
RS232 PORT RJ11 PIN	**Definition Description**
1、2、6	NC(Empty)
3	TX BMS Sending Data (PC Receiving Data)
4	RX BMS Receiving Data (PC Sending Data)
5	GND

RS232 Communication Port Definition
RS232通信端口定义 ▲

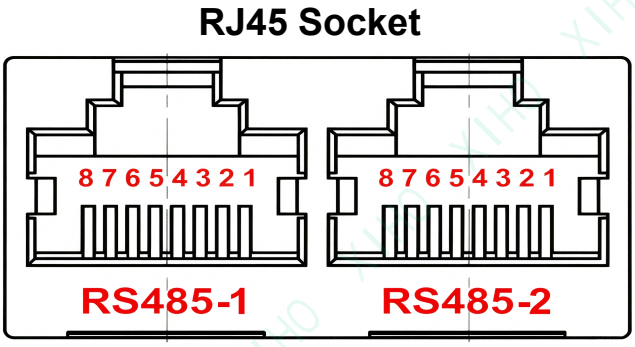
⑯ **RS485 Parallel Communication Function(RS485并联通信功能):**

a). In parallel state, the communication address 0001 is the master battery pack, and the other communication addresses are slave battery packs. Slave battery packs communicate with the master battery pack through the RS485 port. The master battery pack will collect data from all slave battery packs.Supports up to 15 battery packs in parallel.

在并联状态下，通信地址 0001 为主电池组，其余通信地址为从电池组。从电池组通过 RS485 端口与主电池组通信。主电池组将收集所有从电池组的数据。最大可支持15台电池组并联。

b). In parallel state, only the master battery pack communicates with the PC software for remote monitoring, data uploading, and displaying the status and other information of all battery packs.

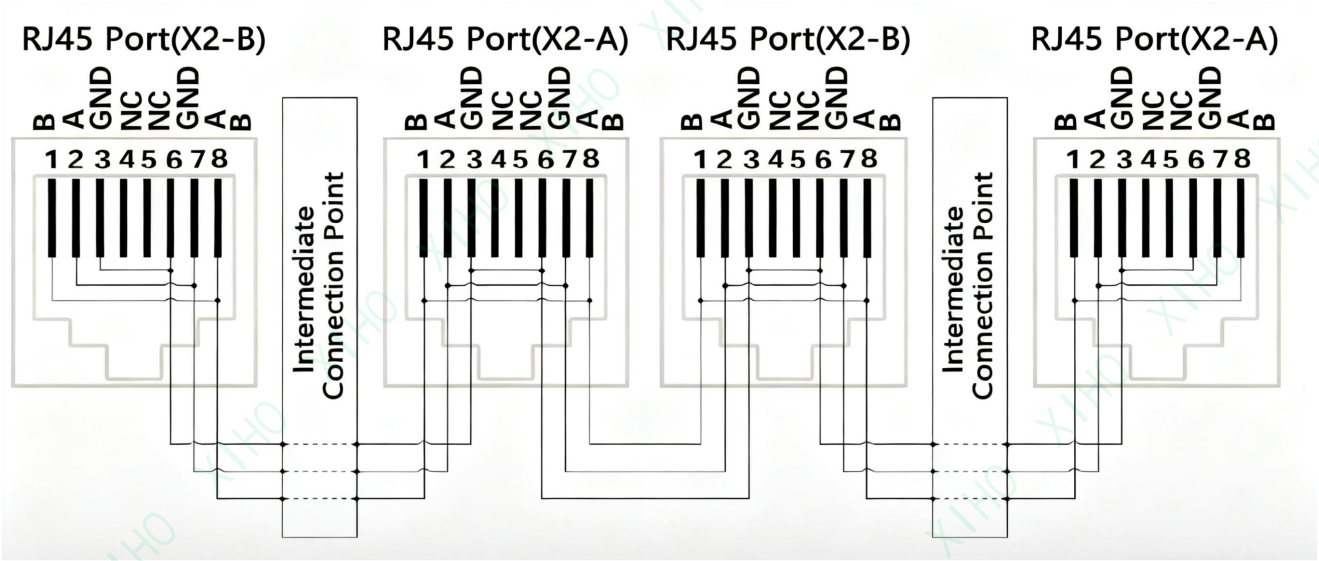
在并联状态下，只有主电池组与PC上位机通信，进行远程监控、上传数据、显示所有电池组的状态和其他信息。



RS485 Parallel Communication-8P8C Vertical Double RJ45 Socket is Adopted			
RS485-1 PORT RJ45 PIN	**Definition Description**	**RS485-2 PORT RJ45 PIN**	**Definition Description**
1、8	RS485-B	1、8	RS485-B
2、7	RS485-A	2、7	RS485-A
3、6	GND	3、6	GND
4、5	NC(Empty)	4、5	NC(Empty)

RS485 Parallel Communication Port Definition
RS485并联通信端口定义 ▲

c). RS485 Parallel Cable Connection Diagram(RS485 并联电缆连接示意图):



When handling communication for multiple battery groups in parallel, it is necessary to first configure the DIP switch address for each individual battery group using BCD code format (set the address according to the DIP address table from Step ⑫ mentioned above)

处理多组电池并联通信时，需要先设置单组电池的 DIP 开关地址，并采用 BCD 码格式设置 (使用上述第⑫步的DIP地址表设置地址)。

⑰ Ground wire:Ground wire interface.(Non-standard configuration; subject to the actual delivered product)

接地线：地线接口。(非标准配置，以实际交付产品为准)

4.3 BMS Basic Functions(BMS基本功能)

Protection & Alarms **保护与报警**	**Management & Monitoring** **管理与监控**
Charge/Discharge Termination 充/放电结束	Cell Balancing 单体电池均衡
Charge Over-Voltage 充电过压	Smart Charging Mode 智能充电模式
Discharge Under-Voltage 放电欠压	Charge/Discharge Current Limiting 充/放电电流限制
Charge/Discharge Over-Current 充/放电过流	Capacity Calculation (SOC) 容量计算(剩余容量)
High/Low Temperature (Cell/BMS) 高/低温(单体电池/BMS)	Administrator Monitor 管理员监控
Short Circuit 短路	Operation Record 操作日志

5. Installation and Configuration(安装与配置)

5.1 Packing List(装箱清单)

Battery Pack*1
电池组*1

Foma Wheels
60F*4(Installed)
福马轮60F*4(已安装)

M8*14 Screws*4
M8*14 螺丝*4

Allen wrench M5 *1
内六角扳手 M5 *1

Parallel
Communication
Cable 1m *1
并联通信线 1m*1

Upper System Communication
Cable*2 930mm(Left) &
1400mm(Right) (Optional)
上位机通信线*2
930mm(左)和1400mm(右)(选配)

Custom Parallel
Cable *2(Optional)
定制并联电缆*2(选配)

Custom Parallel Plug-in
Terminal Block *2(Optional)
定制并联可拔插端子块*2(选配)

5.2 Recommended Tools(推荐工具)

Before installing the battery pack, users need to prepare the following tools:

安装电池组前，用户需要准备以下工具：

Picture 图片	Item 名称	Description 描述
	Crimping Tool 压线工具	Crimping tool for RJ45 terminal 用于RJ45端子的压线工具
	Crimping Plier 压线钳	Crimping tool for insulated electric connectors 用于绝缘电气连接器的压线钳
	Socket Wrench 套筒扳手	Tighten the M8 screws 用于拧紧M8螺丝
	Multimeter 万用表	Measure battery voltage,Check circuit continuity and polarity 测量电池电压、检查线路通断及极性
	Safety Goggles 护目镜	Protect against splashes (e.g. metal debris, electrolyte) 防飞溅物（如金属碎屑、电解液）
	Electrician Gloves 电工手套	Protect from electrical shocks and burns 防止触电和灼伤

6. Connection(连接)

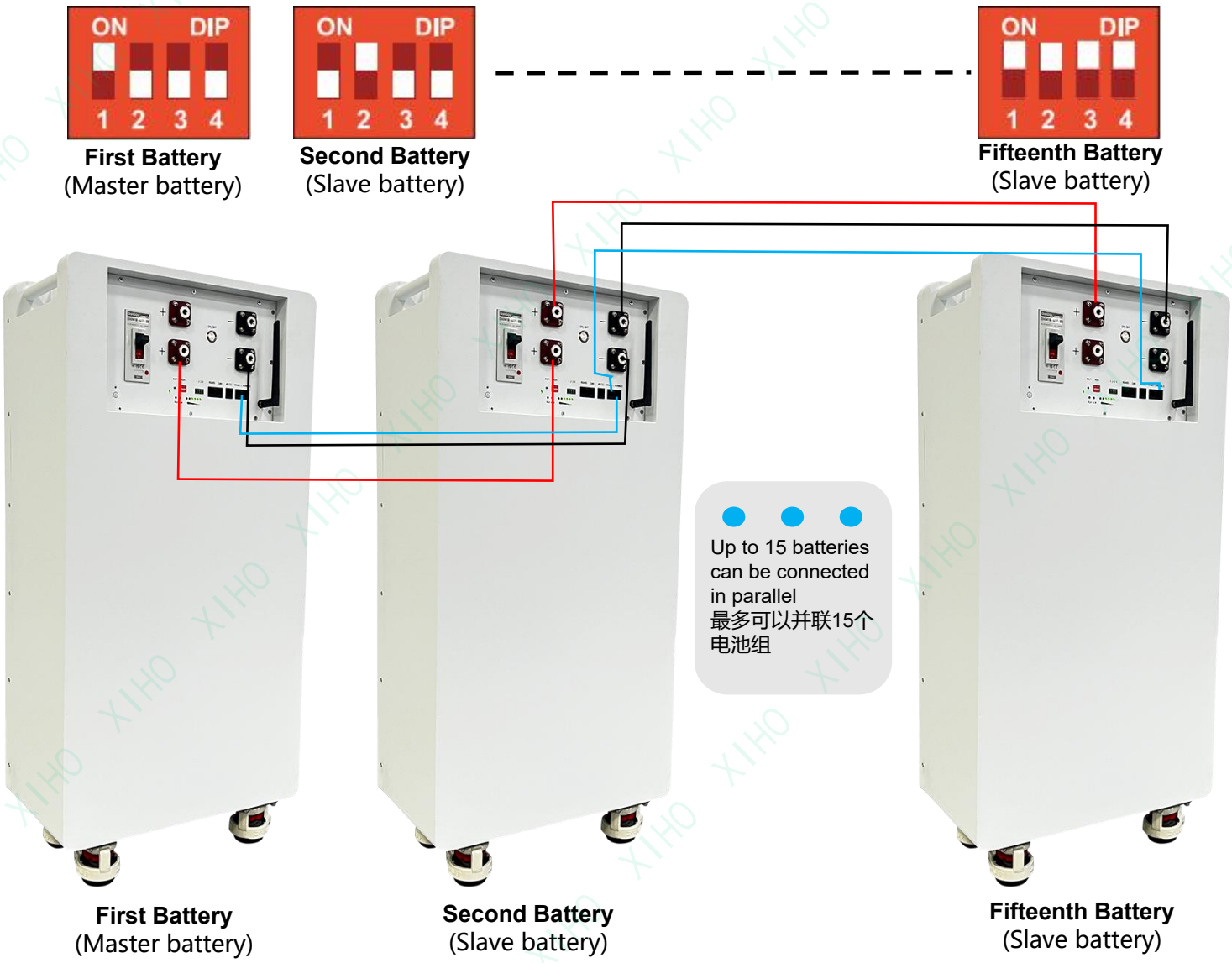
6.1 Battery Pack In Parallel (Supports up to 15 battery packs in parallel, see picture example)
电池组并联 (最大支持15个电池组并联，见图片示例)

a). Use a multimeter to measure whether the positive and negative cable connections are conductive, and check if the connections are loose.
使用万用表测量正负极电缆连接是否导通，并检查连接是否松动。

b). Before wiring, turn off the battery switch to ensure no DC output from the battery.
接线前应关闭电池开关，确保电池无直流输出。

c). First lock the parallel cable to the positive terminal of the battery pack, then connect the other end to the negative terminal (forming a ring connection between batteries).
先将并联电缆线锁定到电池包的正极端子，然后将另一端连接到负极端子(形成电池间的环形连接)。

d). Connect the parallel communication cable to the RS485 port of the battery pack (must be connected between different ports, e.g.: Master battery's RS485-1 connects to Slave battery's RS485-2, and the like). For communication port descriptions, please refer to section "4.2" of this manual.
将并联通信线连接到电池包的RS485端口(必须在不同端口之间连接，例如：主电池的RS485-1连接到从电池的RS485-2，依次类推)。有关通信端口的说明，请参阅本手册的“4.2”部分。



Parallel Example ▲
并联示例

6.2 Battery Pack and Inverter Connection(电池组与逆变器连接)

a). Use a multimeter to measure whether the positive and negative cable connections are conductive, and check if the connections are loose.

使用万用表测量正负极电缆连接是否导通，并检查连接是否松动。

b). Before wiring, turn off the battery switch to ensure no DC output from the battery.

接线前应关闭电池开关，确保电池无直流输出。

c). Connect the battery and the inverter's positive terminals with a red power cable, then connect the negative terminals at both ends with a black power cable.

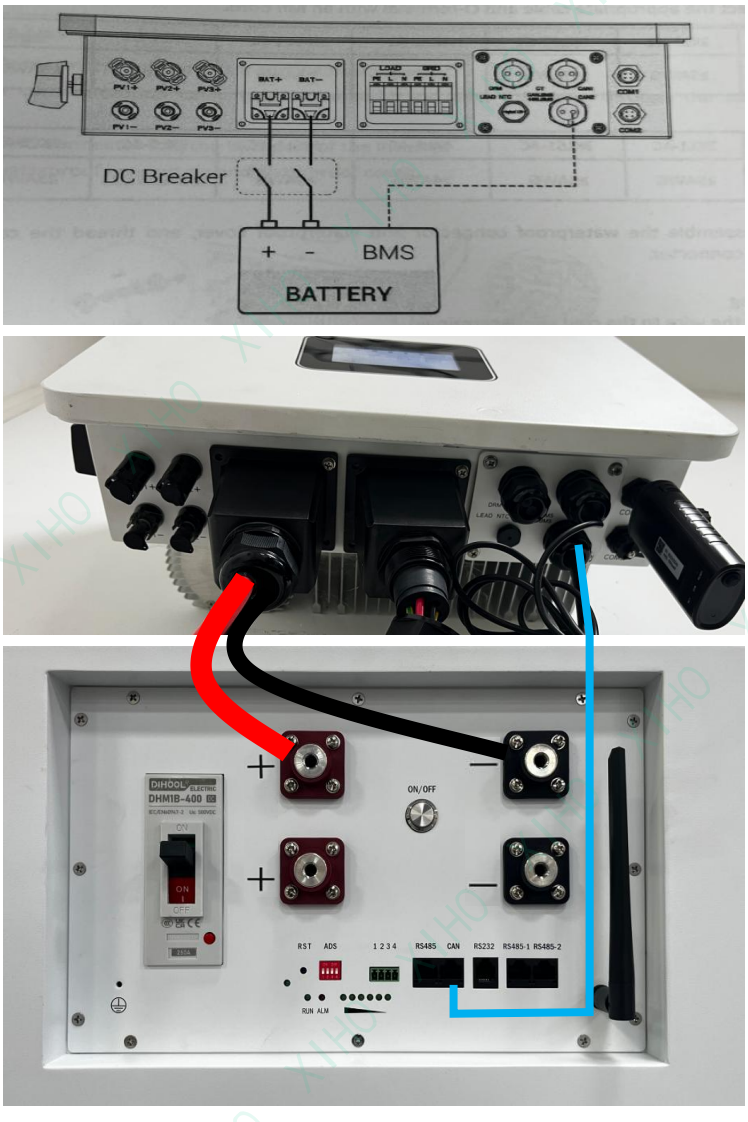
用红色电源线连接电池和逆变器的正极端子，然后用黑色电源线连接两端的负极端子。

d). Connect the battery's communication port (RS485 or CAN) to the inverter's BMS port using a communication cable. The BMS port definitions for different inverter brands may vary; please consult the inverter manual.

用通信线连接电池的通信端口（RS485或CAN）和逆变器的BMS端口。不同品牌的逆变器BMS端口定义可能不同，请查阅逆变器手册。

Taking Megarevo 6KL1D-G2 as an example:

以迈格瑞能6KL1D-G2为例：



7. Battery Pack Operation(电池组操作)

7.1 Pre-Startup Check(开机前检查)

a). Check that all positive, negative cables, and communication cables are correctly and securely connected.

检查所有正、负极电缆和通信线是否正确、安全连接。

b). Check that the battery installation is firm, convenient for operation and maintenance, and check ventilation.

检查电池安装牢固，便于操作和维护，并检查通风情况。

c). Insulate unused ports.

绝缘未使用的端口。

7.2 Startup(开机)

a). Turn on the switch on the battery.

打开电池上的开关。

b). The green RUN LED should illuminate normally (check the LED indicator status).

绿色运行(RUN) LED正常亮起（检查LED指示灯状态）。

c). If the battery system cannot be started, check that all electrical connections are correct.

如果无法开启电池系统，请检查所有电气连接是否正确。

d). If the electrical connections are correct but the battery system still cannot start, contact our sales personnel within 48 hours.

如果电气连接正确，但电池系统仍无法开启，请在48小时内联系我们的销售人员。

For LED indicator instructions, please refer to section "4.2" of this manual.

有关LED指示的说明，请参阅本手册的“4.2”部分。

8. APP Operation(APP操作)

XIHO battery packs feature integrated Bluetooth and WiFi connectivity, enabling real-time remote monitoring via a dedicated mobile app. Critical operational parameters — including State of Charge (SOC), voltage, operating current, temperature, and system diagnostics — are transmitted wirelessly. All data is visualized through an intuitive app interface.

Please note: WiFi functionality may not be included in some product models. Specifications are subject to the actual delivered product.

星虹电池组配备有蓝牙和WiFi远程控制功能，支持通过APP监测电池状态。电池中的所有信息，如充电状态、电压、运行电流、温度以及其他运行信息，都能通过蓝牙或WiFi远程实时传输。这些参数可以通过手机APP直观显示。注意：部分产品无WiFi功能，以实际交付产品为准。

Apple: PACEEX BMS - Download from Apple App Store

苹果：PACEEX BMS 苹果应用商店下载

Android: PACEEX - Download from Google Play Store

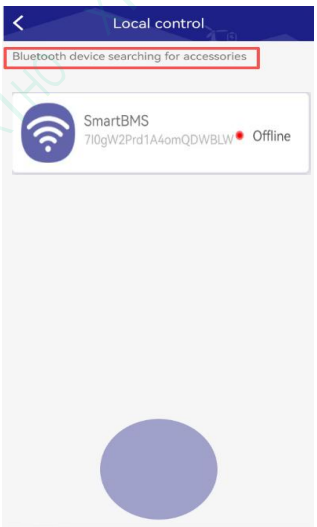
安卓：PACEEX 谷歌应用商店下载

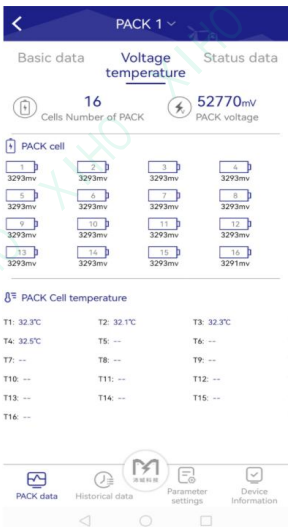
8.1 Bluetooth Connection(蓝牙连接)

a). Taking an Android phone as an example, turn on the phone's Bluetooth;
以安卓手机为例，打开手机蓝牙；

b). Directly search for nearby Bluetooth signals, connect one-to-one, control devices — no account login required, no binding records, ready for immediate use;
直接搜索附近的蓝牙信号，一对一直连，控制设备，无需账号登录，不做绑定记录，即开即用；

c). Monitoring interface displays: SOC/Voltage/Current/Temperature.
监控界面显示：SOC/电压/电流/温度。





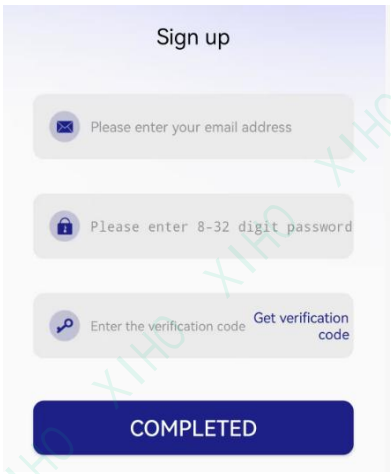
8.2 WiFi Remote Control(WiFi远程控制)

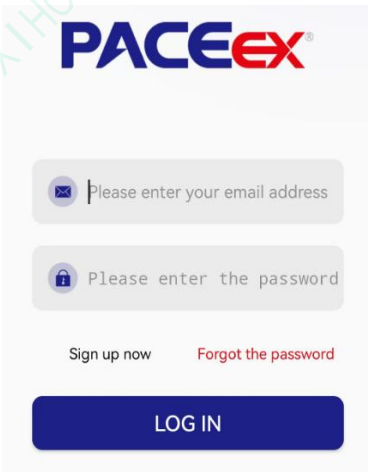
WiFi communication enables remote device control across geographically separated locations. This requires account registration/login, device binding records, and network provisioning operations.

WiFi 通讯，实现不在同一个地理位置，也能控制设备的目的，需要账号注册登录，做账号与设备的绑定记录，需进行配网操作。

a). Account Register & Login: Create account via email + password + verification code, Select actual country/region during registration. All devices added under this account will connect to corresponding regional servers. Use registered email and password.Password Reset: Via email verification;

账户注册和登录：通过邮箱+密码+验证码创建账户。注册时选择实际国家/地区，该账户下添加的所有设备将连接至对应区域服务器。使用已注册邮箱和密码登录。使用已注册邮箱和密码登录。密码重置：通过邮箱验证；





b). WiFi Module Factory Reset(WiFi恢复出厂设置):

Press RST button on module baseboard for 5-10 seconds;

长按模块底板上的 RST 5-10 秒，确认模块灯的闪烁状态；

LED status(LED状态): Double flash: Factory reset done, BLE discoverable

双闪：恢复出厂状态，有蓝牙信号，待配网

Slow flash: Connecting to router

慢闪：正在连接路由器

Rapid flash: Router connected, linking to cloud server

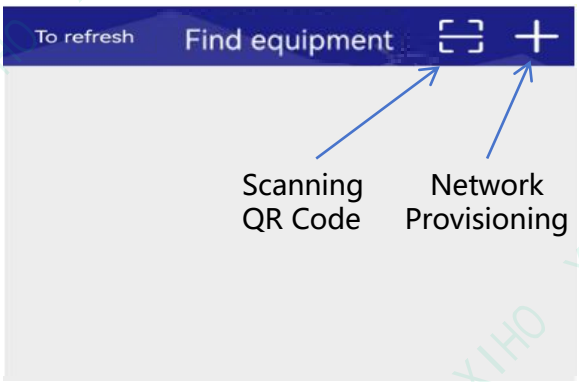
连续闪：路由器连接成功，正在连接服务器

Steady on: Server connection established

常亮：服务器连接成功，支持远程通讯

c). Device Search: Tap "Add" or "+" icon,Note: This step requires enabling "Bluetooth", "Location Services", and "WiFi" on the mobile phone; otherwise, network provisioning cannot be completed;

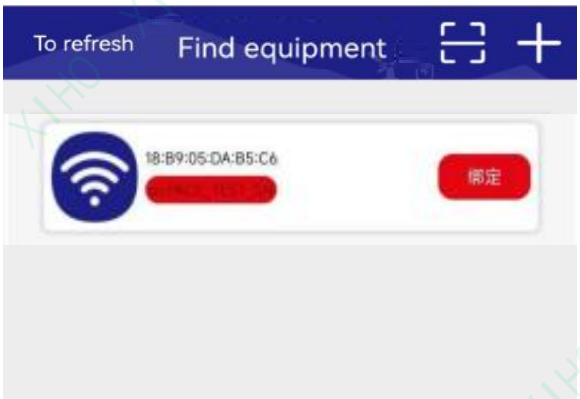
搜索设备：点击“添加”和“+”进入搜索页，注：该步骤需要手机打开“蓝牙”、“定位”、“WiFi”功能，否则将无法完成搜索和后续的配网操作；



d). Network Configuration Input:①Tap discovered device; ②Enter target WiFi SSID and password;③Tap "Next" to start provisioning; **Note: Phone must connect to the same 2.4GHz WiFi; Module only supports 2.4GHz networks.**

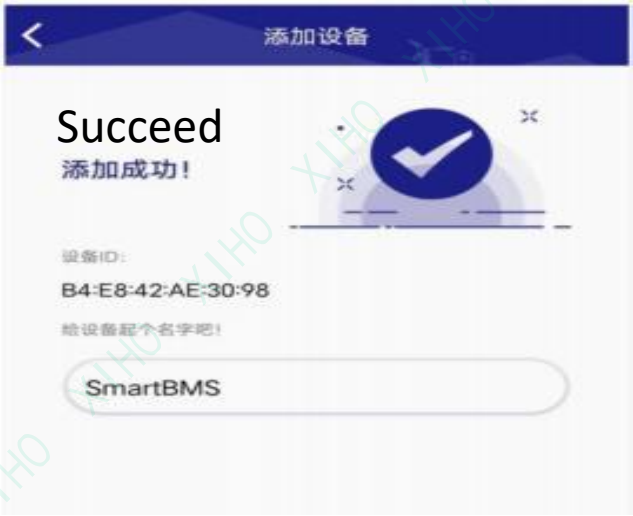
填写配网信息：①点击已发现的设备；②输入目标WiFi的SSID和密码；③点击“下一步”开始配网

注意：手机必须连接相同的2.4GHz WiFi；模块仅支持2.4GHz网络。



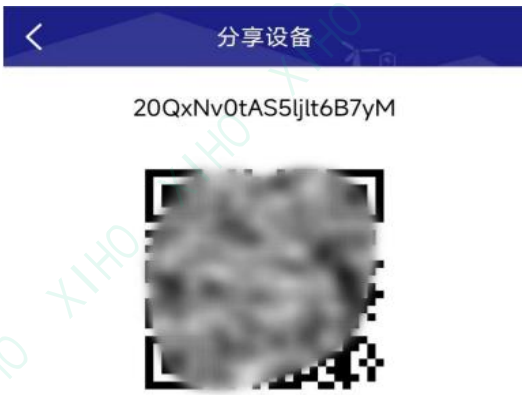
e).When provisioning completes, the system will redirect to this page. Tap "Save" to successfully add the device and automatically return to the device list; If provisioning fails, follow the APP prompt messages, check and restart from step b). If repeated failures occur, save this error screen and contact us。

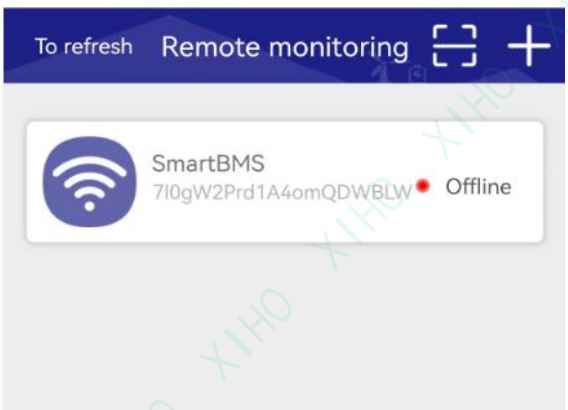
当配网结束时会跳转至该页面，点击保存即成功添加并自动跳回设备列表页面；如配网失败，请按照 APP 提示信息，检查后从b)步骤开始，重新操作，若多次配网仍然失败，请将该报错页面保存并联系我们。



f).Device Sharing: Long press the device item. As the device administrator (account bound during initial provisioning), you can generate a QR code for this device, allowing other users to add it by scanning.Note: Non-administrators cannot reshare. Each generated QR code supports only one-time scanning and is valid for scanning within 30 minutes.

长按设备项，当你是设备管理员时（首次配网绑定的账号），可以将该设备生成二维码，供其他用户扫码添加。注：非管理员不能二次分享，每次生成的二维码仅支持扫描一次，且扫码时间有限制（30 分钟）。





Note(注意)：

①.Default password "bms12580",Administrator password”4321”. If encountering password errors, contact sales personnel promptly to resolve.

默认密码“bms12580”，管理员密码“4321”，如密码错误时，请及时与销售人员联系。

②.If you select a battery to connect to and the app does not confirm the connection, it may be because another device is already connected to that battery. Only one device can be connected to the battery at a time.

如果您选择了要连接的电池，而该应用未确认连接，可能是因为其他设备已经连接到了该电池。同一时间只能有一个设备连接到该电池。

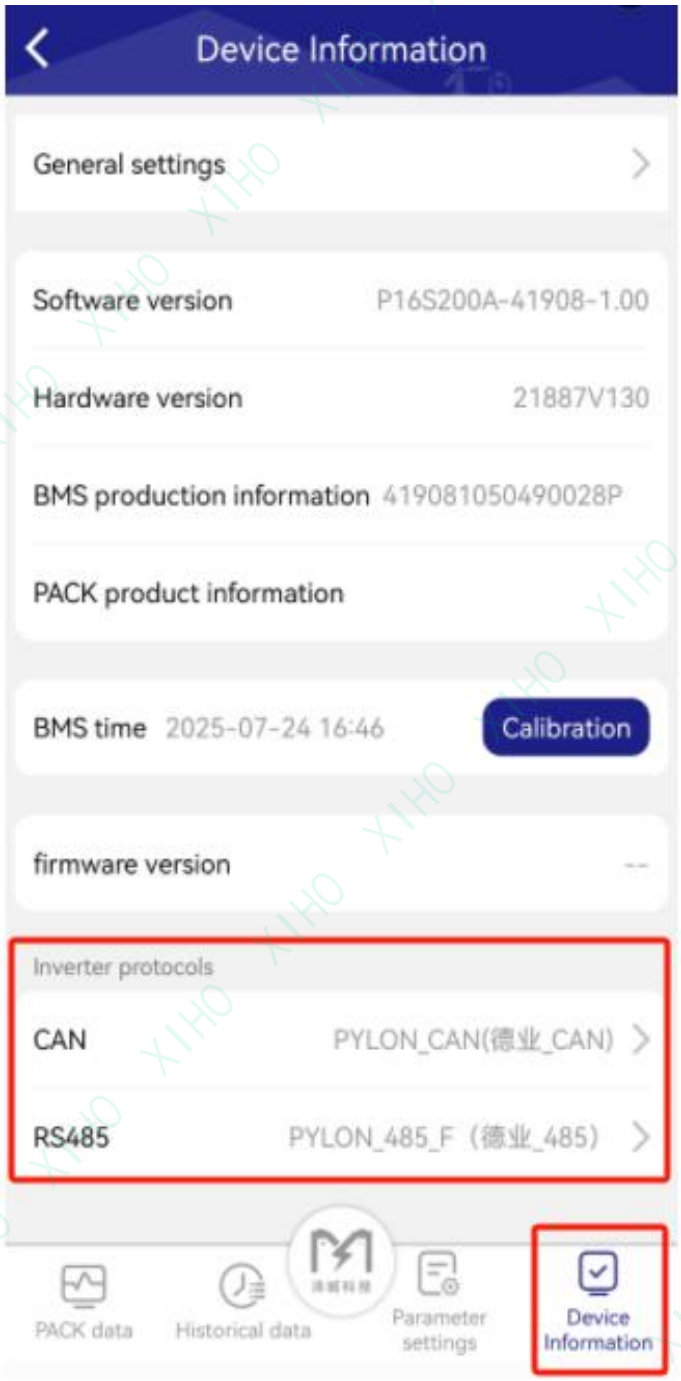
8.3 Communication Protocol Switching(通信协议切换)

a). First connect to the Bluetooth APP and complete pairing;

首先连接蓝牙APP并完成配对；

b). Select Protocol - Set Successfully - Restart Battery Pack - Setup Complete.

选择协议-设置成功-重启电池组-完成设置。



9. Operation of Upper System(上位机操作)

XIHO battery packs support connection to PC software for monitoring battery status and modifying communication protocols. Please contact our sales representative or visit our website to obtain the PC software.

星虹电池组支持上位系统连接，以监控电池状态和修改通讯协议，请联系我们的销售代表或访问我们的网站获取上位系统软件。

9.1 Login(登录)

a). Connect the PC software communication cable to the RS232 port on the battery, then to the USB port on the laptop;

上位系统通信电缆连接到电池上的RS232端口，然后连接到笔记本电脑上的USB端口;

b). Download and open the PC software;

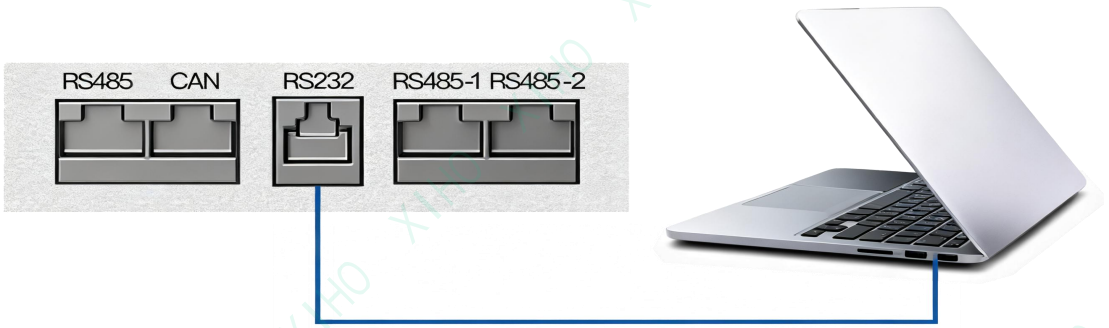
下载并打开上位系统软件; (修正：将“上位系统”统一为“上位机软件/PC软件”)

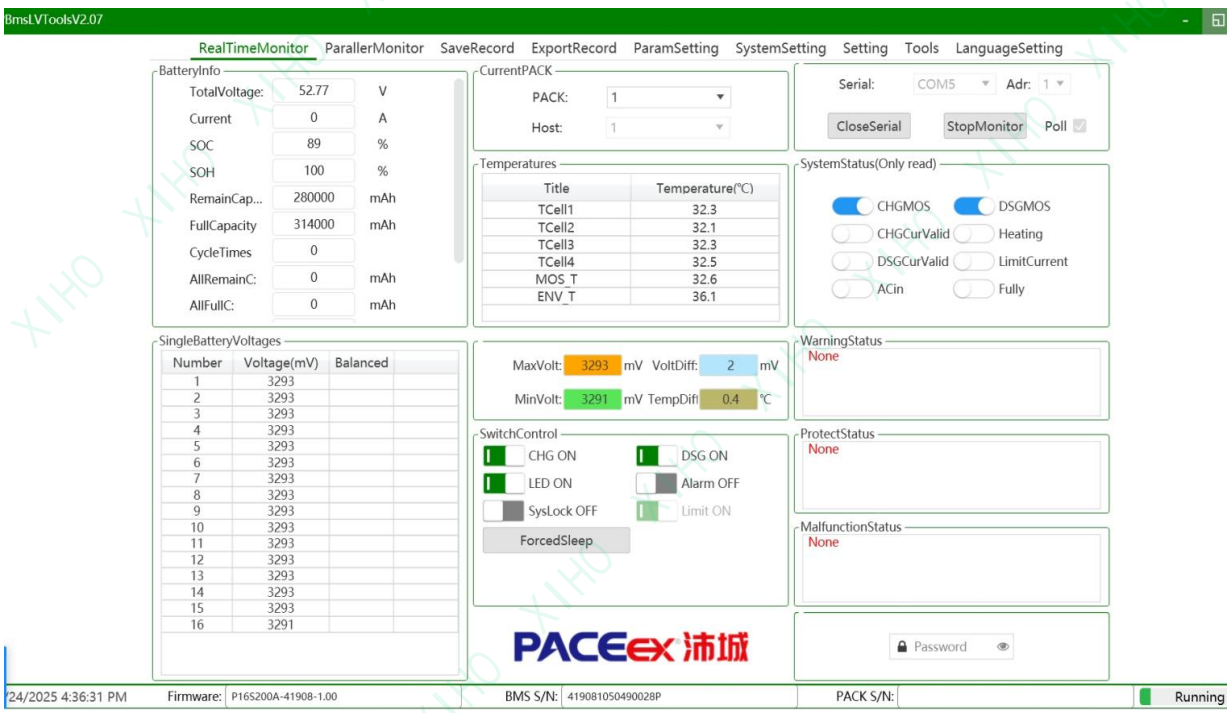
c). Modify language, battery status updates automatically.

修改语言,自动更新电池状态

Note: Default password "123456",Administrator password”4321”.If connection to the PC software fails, check that all connections are correct. If the connections are correct but the PC software still does not function, contact our sales service department.

注意: 默认密码“123456”，管理员密码“4321”，如果未能与上位系统连接，请检查所有连接是否正确。如果连接无误，但上位系统仍无法运行，请与我们的销售服务部门联系。

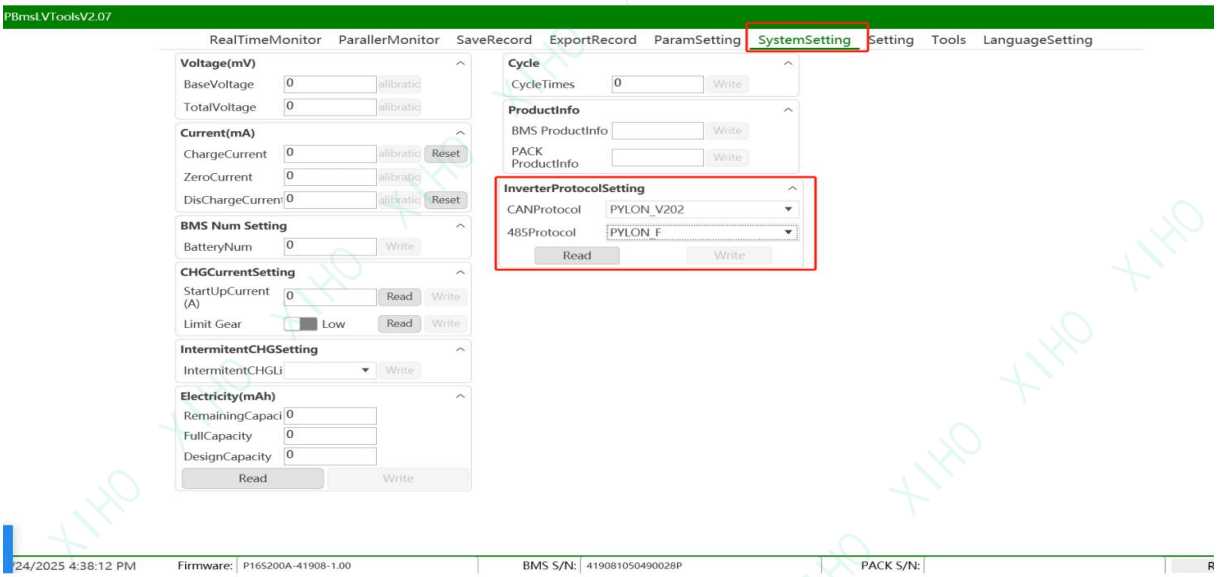




9.2 Switching Communication Protocol via PC(通过PC切换通信协议)

System Settings - Inverter Protocol Settings - Read - Select Protocol - Write - Setup Complete

系统设置-逆变器协议设置-读取-选择协议-写入-完成设置



9.3 Communication Compatibility List(通信兼容列表)

No.	Brand Name	LOGO	Communication
1	DEYE		CAN/RS485
2	PYLON TECH		CAN/RS485
3	LUXPOWER		CAN/RS485
4	SE		CAN/RS485
5	GOODWE		CAN
6	VICTRON		CAN
7	SMA		CAN
8	SOROODO		CAN
9	STUDER		CAN
10	MUST		CAN
11	SOLIS		CAN
12	SENERGY		CAN
13	GROWATT		RS485
14	VOLTRON		RS485
15	SRNE		RS485

10. Warranty Coverage(保修范围)

XIHO guarantees that each XIHO-branded battery product sold by it or by any of its authorized distributors or dealers is free from defects in material and workmanship under normal use and service for the warranty period listed in the table below, commencing on the date of sale (as evidenced by the customer's sales receipt, shipping invoice, and/or battery serial number and proof of purchase). During the warranty period, if it is determined that the relevant component has a material or workmanship defect, subject to the exclusions below, the manufacturer will compensate, replace, or repair the product and its components according to the situation.

星虹保证，其销售或由其任何授权分销商或经销商销售的每款星虹品牌电池产品，自销售日期起(依据客户的销售收据、发货发票和/或电池序列号以及购买凭证等)，在下表所列的期限保修期限内，在正常使用和服务条件下无材料和工艺缺陷。在保修期内，若经确定相关部件存在材料或工艺缺陷，在遵守下述除外条款的前提下，制造商将根据情况对产品及产品的部件进行抵偿、更换或维修。

The warranty period for battery products purchased from XIHO is 5 years.

从星虹购买的电池产品保修期为5年。

XIHO will replace or repair the product free of charge using new or refurbished replacement parts.

星虹将使用新的或翻新的替换零件免费更换或维修产品。

The seller shall not be liable under this limited warranty for product problems caused by the following (including but not limited to):

销售方在以下(包括但不限于)情况造成的产品问题不承担本有限保修责任：

a). Damage caused during transportation or improper handling of the product;

运输过程中或产品处理不当造成的损坏;

b). Damage caused by improper installation: loose terminal connections, undersized cables, incorrect series (cannot be used in series) or parallel connections, reverse polarity connection, or insufficient space affecting airflow; installation not meeting the communication cables and communication equipment defined by the manufacturer;

安装不当造成的损坏：端子连接松动、线缆尺寸过小、错误的串联(不可串联使用)或并联连接、反极性连接、或空间不足影响气流；安装不符合制造商定义的通信线缆和通讯设备；

c). Damage caused by the environment, such as improper storage conditions not meeting the manufacturer's definitions, exposure to extreme high or low temperatures, fire or freezing, or water damage, impact, or collision;

环境造成的损坏，例如不符合制造商定义的不当储存条件、暴露在极端高温或低温下、火灾或冰冻、或水损、撞击、或碰撞;

d). Damage caused by improper operation or maintenance, such as undercharging or overcharging the product, charging at low temperatures, lack of cleaning leading to corrosion of terminal connections or accumulation of dirt, debris, organic matter, fossil fuels, or chemicals on the product casing;

操作或维护不当造成的损坏，例如产品欠充或过充、低温充电、缺乏清洁导致端子连接腐蚀或产品外壳上积聚污垢、碎屑、有机物、化石燃料或化学品;

e). Products that have been opened, modified, or tampered with. Tampering with or removal of production date codes;

被打开、修改或篡改过的产品。篡改或移除生产日期编码;

f). Products used for applications other than those designed and intended by the manufacturer;

产品被用于制造商设计和预期用途之外的应用;

g). Products that are undersized for the application scenario (insufficient power or capacity).

产品对于应用场景而言规格过小。

11. Storage(存储)

a). The external terminals of the battery pack should be insulated.

电池组的外部端子应进行绝缘保护处理;

b). If the battery pack needs to be stored idle for a long time, it is recommended to charge it to 30%-60% capacity. Storage in a fully discharged state is strictly prohibited.

若电池组需长期闲置存放，建议充电至30%-60%电量，严禁完全放电状态下存储;

c). Batteries stored for more than 3 months need to be supplementary charged for 2-3 hours with a current of 0.2C~0.3C.

存放超过3个月的电池，需以0.2C~0.3C电流补充充电2-3小时;

d). Batteries should be stored in a dry, clean, ventilated, non-corrosive gas environment, away from fire sources and direct sunlight.

电池应储存在干燥、清洁、通风、无腐蚀性气体的环境中，远离火源并避免阳光直射;

e). Long-term storage in high-temperature environments exceeding 60°C is prohibited, as this will lead to performance degradation and shortened lifespan.

禁止在超过60℃的高温环境下长期存放，否则将导致性能衰退和寿命缩短。

12. Warnings(警告)

To prevent potential battery leakage, overheating, and explosion, please observe the following warnings:

为防止电池可能发生的泄漏、发热及爆炸，请遵守以下警告：

a). Strictly prohibit immersing the battery in seawater or other liquids; When idle, place in a cool and dry environment;

严禁将电池浸入海水或其他液体中；闲置时应置于阴凉干燥环境;

b). Strictly prohibit reverse connection of battery positive and negative terminals (Positive and negative terminals must not be connected in reverse);

严禁反接电池正负极（正负极端子不可反向连接）;

c). Prohibited to directly short-circuit battery positive and negative terminals with metal objects (to prevent accidental short circuits);

禁止用金属物体直接短接电池正负极（防止意外短路）;

d). Prohibited to transport or store together with metal items (such as hairpins, necklaces etc.);

禁止与金属物品（如发夹、项链等）共同运输或存储;

e). Prohibited to strike, throw, or step on the battery;

禁止敲击、抛掷、踩踏电池;

f). Prohibited to directly weld battery terminals or pierce the battery with nails or other sharp objects.

禁止直接焊接电池极柱，或使用钉子等尖锐物刺穿电池。

Notes(注意)

a). Temperature Management: Strictly prohibit exposure to high temperatures (>45°C). Storage temperature must be maintained between 10-45°C;

温度管理：严禁高温暴露（＞45℃），存储温度需保持10-45℃;

b). Hazard Avoidance: Keep away from fire sources/strong magnetic fields/strong static electricity. Only use dedicated chargers;

危险源规避：远离火源/强磁场/强静电，禁用非专用充电器;

c). Abnormal Handling: If electrolyte enters eyes, immediately rinse with clean water and seek medical attention. If overheating or deformation occurs, stop using immediately and remove the battery;

异常处置：漏液入眼用清水立即冲洗送医，发热变形立刻停用移除;

d). Maintenance Specifications: Maintain storage capacity at 30%-60%. Batteries unused for three months must be recharged;

维护规范：储存电量维持30%-60%，三月未用必须补电;

e). Safety Check: Verify voltage and connector status before use;

安全检查：使用前验证电压与连接器状态;

f). Disposal & Recycling: Waste batteries must only be handed over to suppliers or designated collection points.

报废回收：废旧电池仅可交由供应商或指定回收点。

Green Energy

Change Lives

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