

SOLARMAN Business For Distributor Or Installer

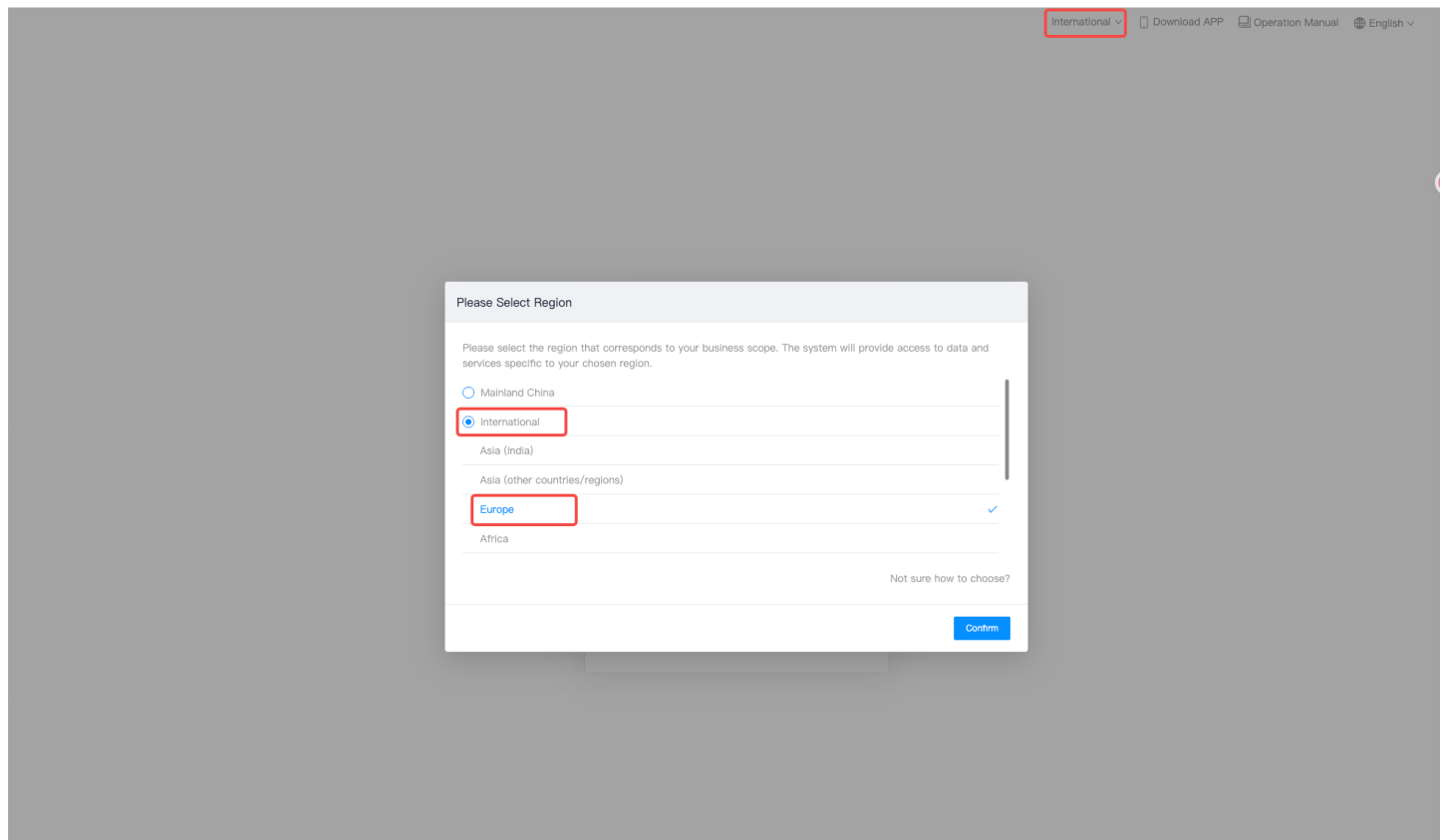
Register

Use the Web

website: <https://globalpro.solarmanpv.com/login>

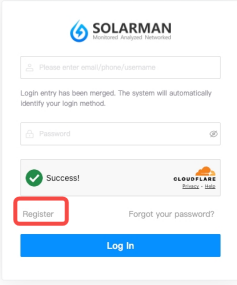
Register

1. Select the Europe region for the Data center, confirm;



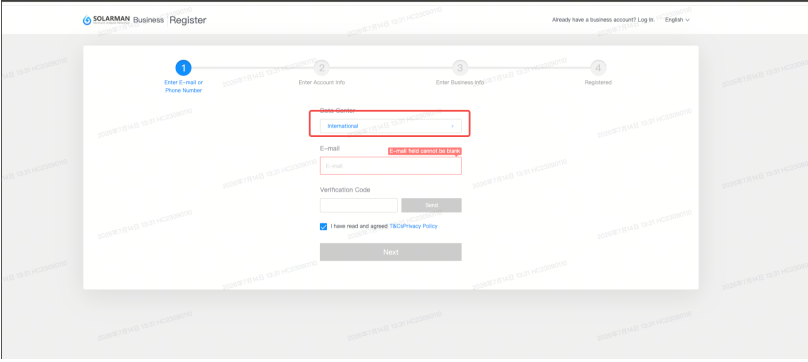
The screenshot shows the SOLARMAN registration interface. At the top right, there is a navigation bar with links: 'International' (highlighted with a red box), 'Download APP', 'Operation Manual', and 'English'. In the center, a modal dialog titled 'Please Select Region' is displayed. The dialog contains the following text: 'Please select the region that corresponds to your business scope. The system will provide access to data and services specific to your chosen region.' Below this text, there are four radio button options: 'Mainland China', 'International' (selected and highlighted with a red box), 'Asia (India)', and 'Asia (other countries/regions)'. Below these options, there are two more radio button options: 'Europe' (highlighted with a red box) and 'Africa'. A blue checkmark is visible next to the 'Europe' option. At the bottom right of the dialog, there is a blue 'Confirm' button. Below the dialog, there is a link that says 'Not sure how to choose?'.

2. Click to register

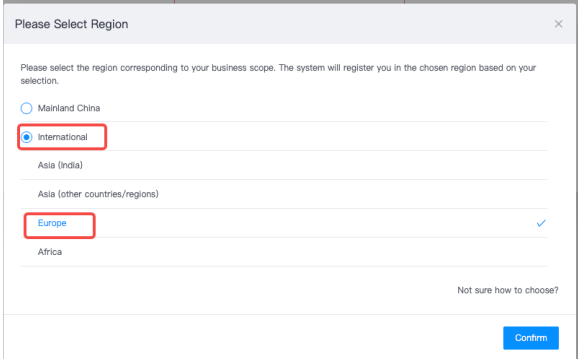


The image shows the SOLARMAN login and registration interface. At the top, there's a header with the SOLARMAN logo and the text "Inverter Project Hardware". Below this is a login form with fields for "Please enter email/phone/username" and "Password". A message states: "Login entry has been merged. The system will automatically identify your login method." Below the password field, there's a "Success!" message with a green checkmark. At the bottom, there are two buttons: "Register" (highlighted with a red box) and "Log In" (highlighted with a blue box). A link "Forgot your password?" is also present.

3. Confirm whether the account registration data center is located in Europe;
4. Enter your email and the verification code;



The image shows the SOLARMAN Business Register screen. It features a progress bar at the top with four steps: 1. Enter E-mail or Phone Number, 2. Enter Account Info, 3. Enter Business Info, and 4. Registered. The current step is 2, "Enter Account Info". Below the progress bar, there's a "Data Center" section with a radio button selected for "International" (highlighted with a red box). Below this is an "E-mail" field with a red box around it and a message "E-mail has existed, try again". Below the email field is a "Verification Code" field with a "Text" button next to it. At the bottom, there's a checkbox "I have read and agreed T&C/Privacy Policy" and a "Next" button.



The image shows the "Please Select Region" screen. It has a title bar with a close button. Below the title bar, there's a message: "Please select the region corresponding to your business scope. The system will register you in the chosen region based on your selection." Below this message, there are four radio button options: "Mainland China", "International" (highlighted with a red box), "Asia (India)", and "Asia (other countries/regions)". Below these options, there's a "Europe" option (highlighted with a red box) and an "Africa" option. A blue checkmark is next to the "Europe" option. At the bottom right, there's a "Not sure how to choose?" link and a "Confirm" button.

5. Enter Account Info

1

2

3

4

Enter E-mail or
Phone Number

Enter Account Info

Enter Business Info

Registered

*Name

Hithium ARKVOLT

Username

Hithium ARKVOLT

*Password

*Please confirm

Password Requirements:

1. At least 8 characters, and must contain at least 3 types of characters

– Uppercase letters (A–Z)

– Lowercase letters (a–z)

– Digits (0–9)

– Symbols (I, @, #, \$, %, etc.)

2. Do not use consecutive or repeated character combinations such as 1234, abcd, ABCD, qwert.

Next

6. Business Info Type Select **Distributor or Manufacturer**

SOLARMAN Business Register

Already have a business account? Log In. English

1

2

3

4

Enter E-mail or
Phone Number

Enter Account Info

Enter Business Info

Registered

Business Type:

☒ Enterprise ☐ Individual

*Business Name:

简体中文

Hithium ARKVOLT

English

Hithium ARKVOLT

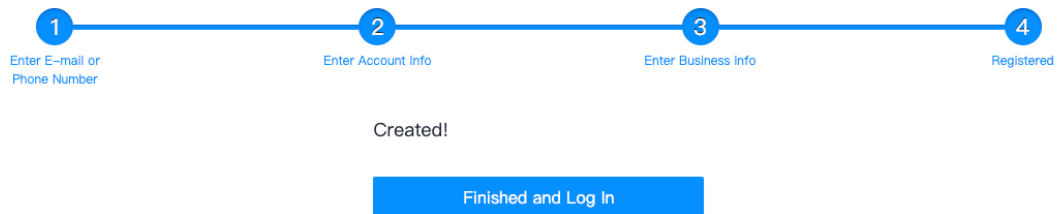
*Business Area:

France

Type:

☒ Installation O&M Provider ☐ Investors ☒ **Distributor** ☐ Manufacturer

Next



Use the APP

APP Download



小麦商家版

一站式电站运维、设备售后服务管理软件

Register

1. Choose Region

10:25

International

English

Operation Manual

E-mail

Phone

Username

E-mail

heroee@hithium.com

Password

Forgot your password?

Log In

Register

Current Version: V1.13.10

11:21

Choose Region

ⓘ

Please select the region that corresponds to your business scope. The system will provide access to data and services specific to your chosen region.

Mainland China

International

Asia (India)

Other Asian countries/regions

Europe

Oceania

Africa

North America

South America

Antarctica

Not sure how to choose?

Confirm

2. Enter Business Info

Warning

- Business Area** Select countries in the European region
- Type** Select **Distributor** or **Manufacturer**

International ▼
English
Operation Manual

E-mail

Phone

Username

E-mail

Password

Forgot your password?

Log In

Register

Current Version: V1.13.11

←

Register

Enter Business Info

Your account already registered in hithium-arkvolt business account. You can [Click here](#) login directly or create a new business account. The new business account and password are in consistent with your current account.

Business Type

Enterprise >

*Business Name

Enter Business Name >

Business Area

France >

Type

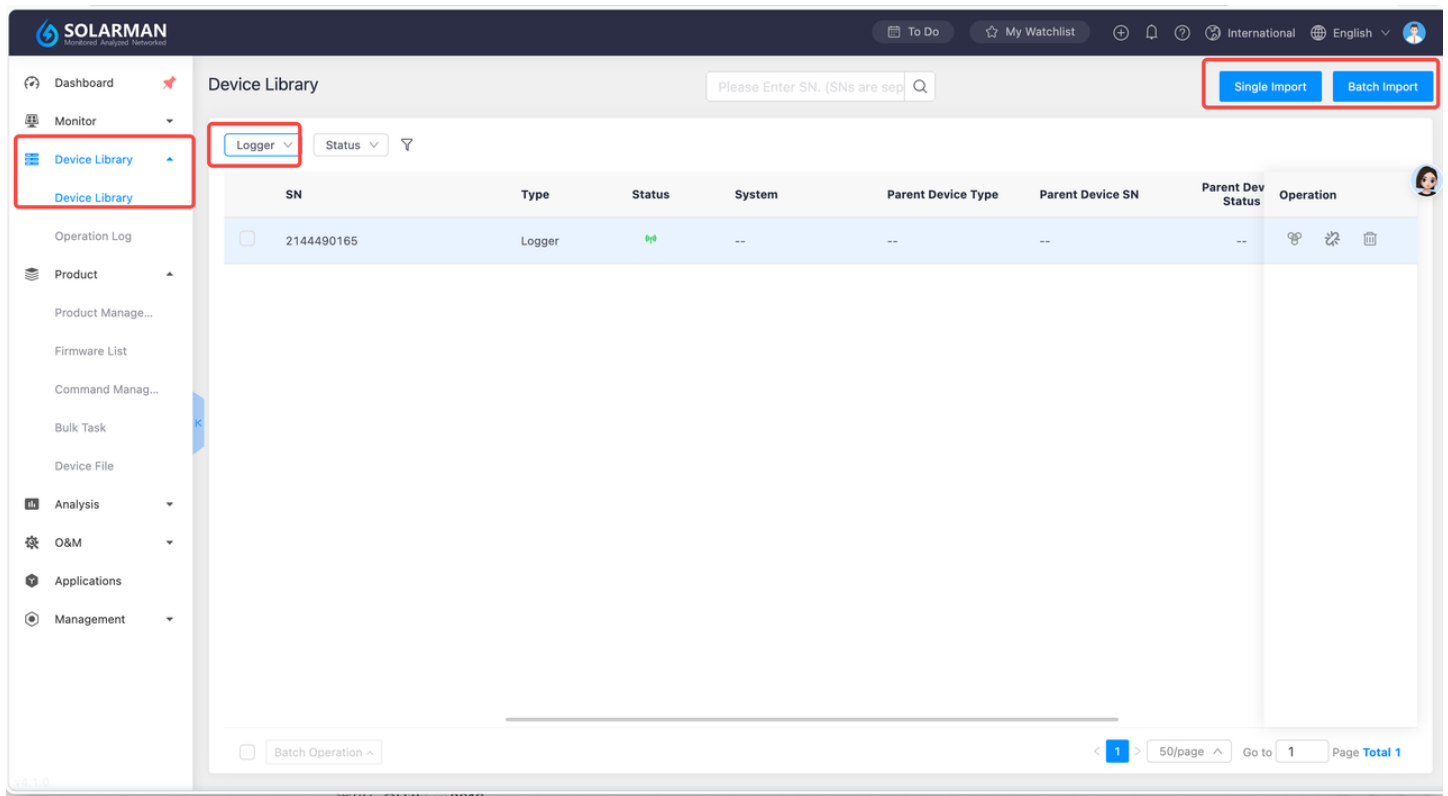
Manufacturer >

Next

Device Access

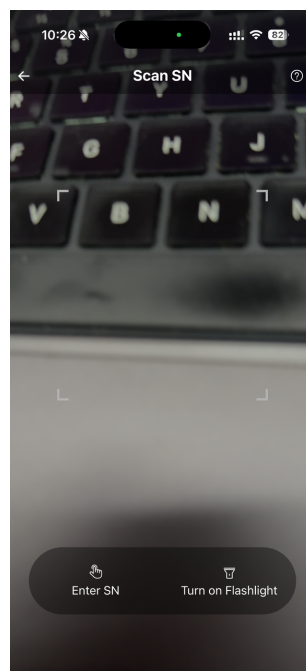
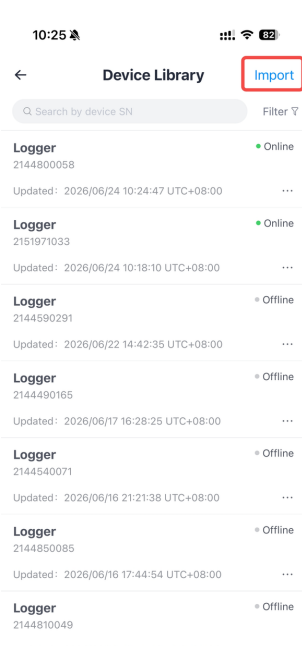
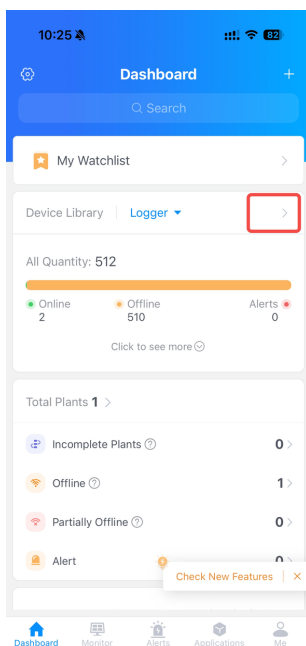
Use the Web

1. Log in to your account
2. Select Device Library-> Single Import or Batch Import;



Use the APP

1. Solarman Business App login account
2. Homepage > Device Library > Logger, click to enter;
3. Click to import;
4. Scan the Logger QR code to register the device;



Distribution network configuration (mobile only)

- 1. Click the device you just entered (you can identify it via the SN on the logger);
- 2. Click on the right to perform Device Networking;

10:25

82

←

Device Library

Import

Q Search by device SN

Filter

Logger

2144800058

Online

Updated: 2026/06/24 10:24:47 UTC+08:00

...

Logger

2151971033

Online

Updated: 2026/06/24 10:18:10 UTC+08:00

...

Logger

2144590291

Offline

Updated: 2026/06/22 14:42:35 UTC+08:00

...

Logger

2144490165

Offline

Updated: 2026/06/17 16:28:25 UTC+08:00

...

Logger

2144540071

Offline

Updated: 2026/06/16 21:21:38 UTC+08:00

...

Logger

2144850085

Offline

Updated: 2026/06/16 17:44:54 UTC+08:00

...

Logger

2144810049

Offline

Updated: 2026/06/12 10:57:20 UTC+08:00

...

10:26

81

←

Logger2144800058

...

Device Parameters

Remote Control

Firmware Upgrade

Device Networking

Basic Information

Embedded Device SN: 2144800058

Version Information

Module Version No: V1.4.0A_R01B.0E2_M00 F6_0000000A

Extended System Version: --

Operation Information

Data Uploading Period: 1Min

Data Acquisition Period: 60s

Max. No. of Connected Devices: 1

Signal Strength: 92

Module MAC Address: B48970005062

Router SSID: Hithium-SZ-guest

CSIP Control Capability Flag: Support CSIP Configuration File Collection And Control

CSIP Scheduling Function Enable Flag: Scheduling Not Enabled

Number Of CSIP Data Model Supports: 1

MESH-NETID: 0

- 1. Select the wifi (2.4G only) and enter the wifi password;
- 2. Pending configuration;

14:02



Please set up the network to use this device.

Logger

SN: 2144210169

Not compatible with 5G networks. Please connect to a 2.4G network.

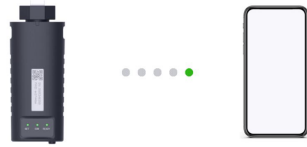
	Hithium-SZ-guest	>
	Please enter a password	
Password Required		☒

[Text tutorial](#)

Set Up

Video Tutorial

14:02



Configuring, please wait (59s)

Please keep your phone close to the device and make sure Bluetooth is enabled

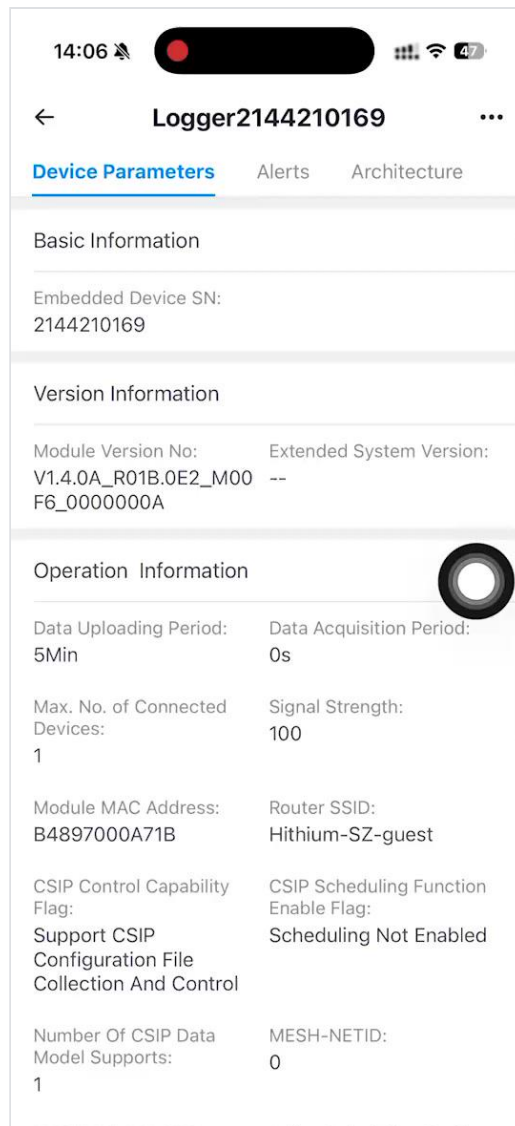
14:05



Configuration successful

The device has successfully connected to the network, please click to confirm

Confirm



Remote Control (Modify Inverter Protocol)

Use the Web

1. Select Device Library;

SOLARMAN

Dashboard

Monitor

Device Library

Operation Log

Product

Product Manage...

Firmware List

Command Manag...

Bulk Task

Device File

Analysis

CRM

Applications

Management

Device Library

Please Enter SN, (SNs are sep)

Single Import

Batch Import

SN	Type	Status	System	Parent Device Type	Parent Device SN	Parent Device Status	Updated	Operation
☐ 2144210169	Logger	Online	--	--	--	--	10:00:50 2026/07/15 UTC+08:00	
☐ 2151520200	Logger	Online	--	--	--	--	09:58:40 2026/07/15 UTC+08:00	
☒ 2144490165	Logger	Online	--	--	--	--	09:57:46 2026/07/15 UTC+08:00	
☐ 2151971033	Logger	Offline	--	--	--	--	11:15:42 2026/07/14 UTC+08:00	
☐ 2144800058	Logger	Offline	Hydrium16度	--	--	--	17:17:54 2026/07/09 UTC+08:00	
☐ 2151470170	Logger	Offline	--	--	--	--	16:51:29 2026/06/24 UTC+08:00	
☐ 2151390165	Logger	Offline	--	--	--	--	16:09:41 2026/06/24 UTC+08:00	
☐ 2144590291	Logger	Offline	--	--	--	--	14:42:35 2026/06/22 UTC+08:00	
☐ 2144540071	Logger	Offline	--	--	--	--	21:21:38 2026/06/16 UTC+08:00	
☐ 2144850085	Logger	Offline	--	--	--	--	17:44:54 2026/06/16 UTC+08:00	
☐ 2144810049	Logger	Offline	--	--	--	--	19:57:39 2026/06/12 UTC+08:00	
☐ 2151790023	Logger	Offline	--	--	--	--	12:51:32 2026/06/01 UTC+08:00	
☐ 2151130054	Logger	Offline	--	--	--	--	12:50:24 2026/06/01 UTC+08:00	
☐ 2151040057	Logger	Offline	--	--	--	--	12:50:18 2026/06/01 UTC+08:00	
☐ 2151190049	Logger	Offline	--	--	--	--	12:50:15 2026/06/01 UTC+08:00	
☐ 2151010006	Logger	Offline	--	--	--	--	12:50:11 2026/06/01 UTC+08:00	
☐ 2151630069	Logger	Offline	--	--	--	--	12:49:09 2026/06/01 UTC+08:00	
☐ 2151950080	Logger	Offline	--	--	--	--	12:49:06 2026/06/01 UTC+08:00	
☐ 2151480072	Logger	Offline	--	--	--	--	12:48:26 2026/06/01 UTC+08:00	
☐ 2151350066	Logger	Offline	--	--	--	--	12:48:10 2026/06/01 UTC+08:00	

Batch Operation

1 2 3 ... 24 > 50/page < Go to 1 Page Total 1152

2. Select Logger;

3. Architecture -> Battery sn;

SOLARMAN

Dashboard

Monitor

Device Library

Operation Log

Product

Product Manage...

Firmware List

Command Manag...

Bulk Task

Device File

Analysis

CRM

Applications

Management

Device Library

Logger:2144490165

Online

Details

Alert

Architecture

2

2026/07/15 10:02:46 UTC+08:00

SN

☐ 2144210169
☐ 2151520200
☒ 2144490165
☐ 2151971033
☐ 2144800058
☐ 2151470170
☐ 2151390165
☐ 2144590291
☐ 2144540071
☐ 2144850085
☐ 2144810049
☐ 2151790023
☐ 2151130054
☐ 2151040057
☐ 2151190049
☐ 2151010006
☐ 2151630069
☐ 2151950080
☐ 2151480072
☐ 2151350066

Batch Operation

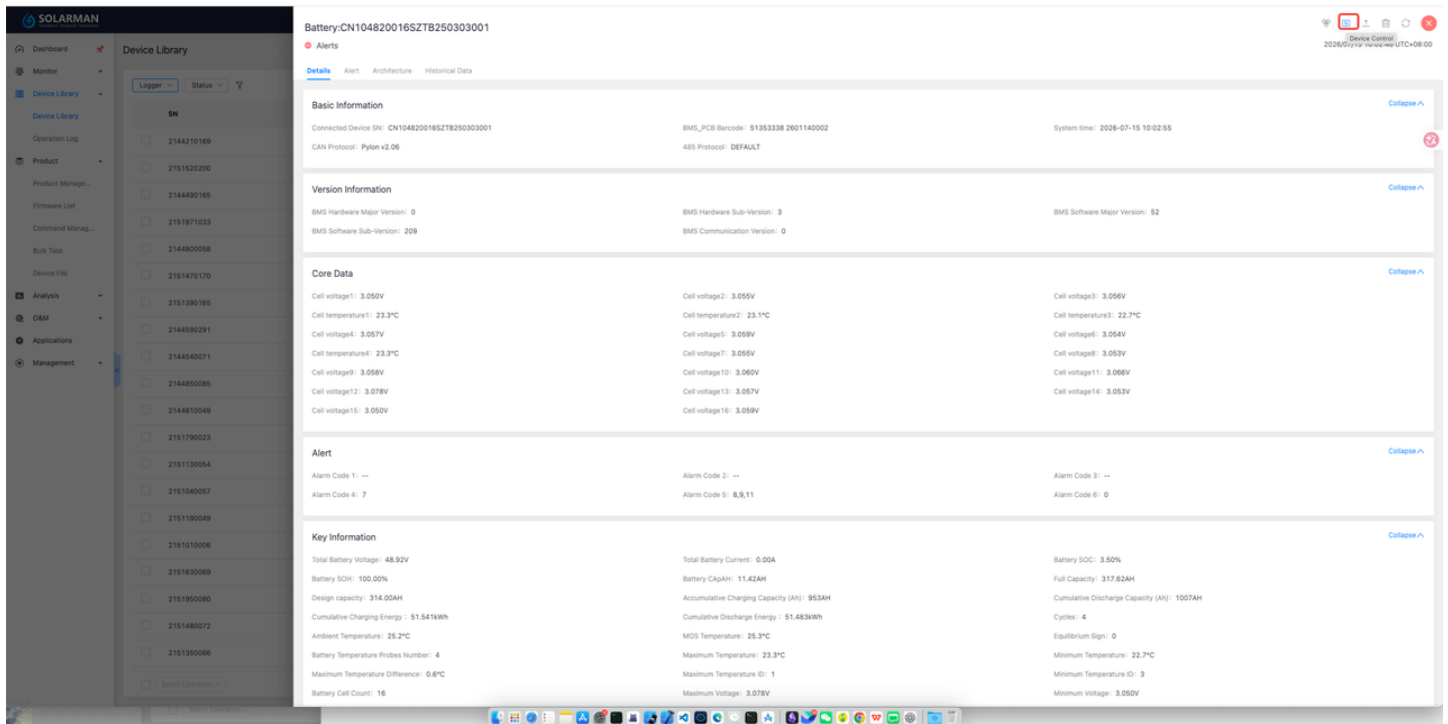
Communication Relationship

The actual network topology reflected when the device is uploading data.

Export

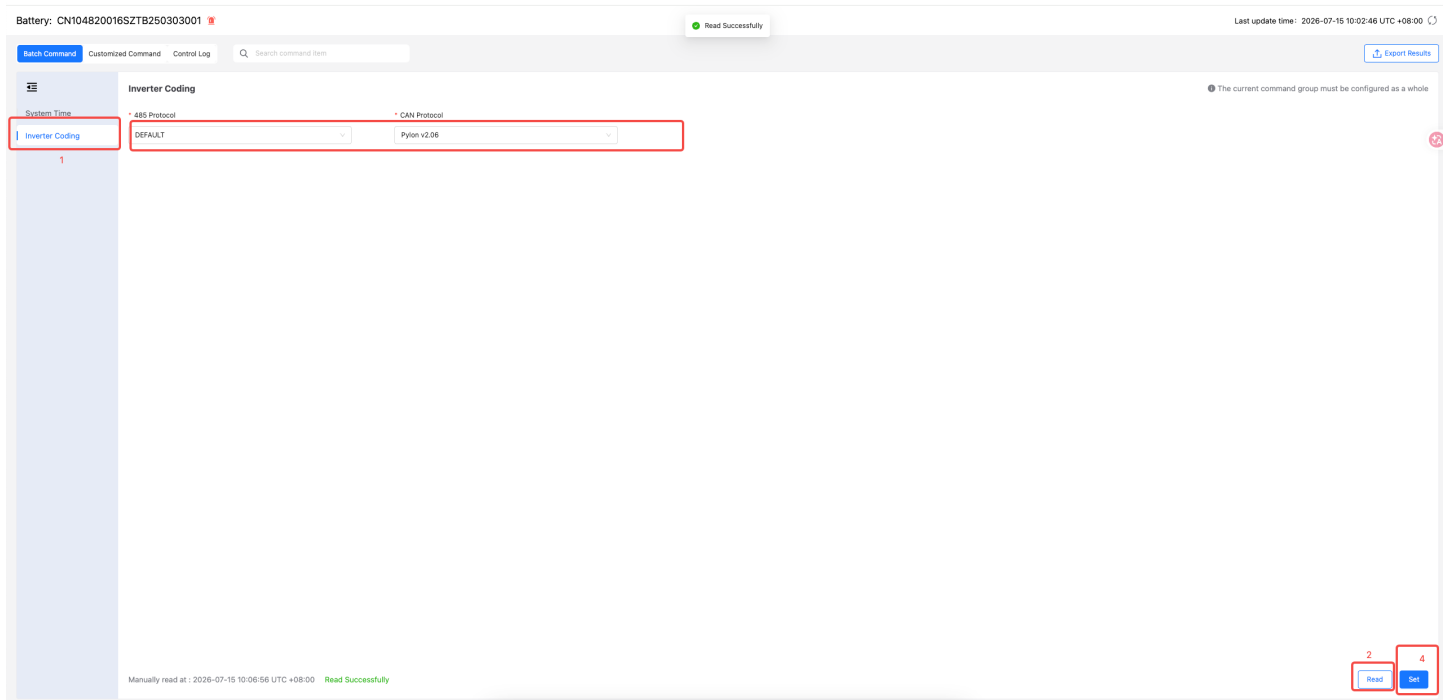
Type/SN	Status	Updated
Logger 2144490165	Online	2026/07/15 10:02:46 UTC+08:00
Battery ABCDEFHJKLMN	Offline	2026/07/14 13:29:31 UTC+08:00
Battery ABCDEFHJKLMN	Offline	2026/07/14 13:29:32 UTC+08:00
Battery CN104820016S2TB250303001	Offline	2026/07/15 10:02:46 UTC+08:00

4. Battery Device Control



5. Inverter Coding;

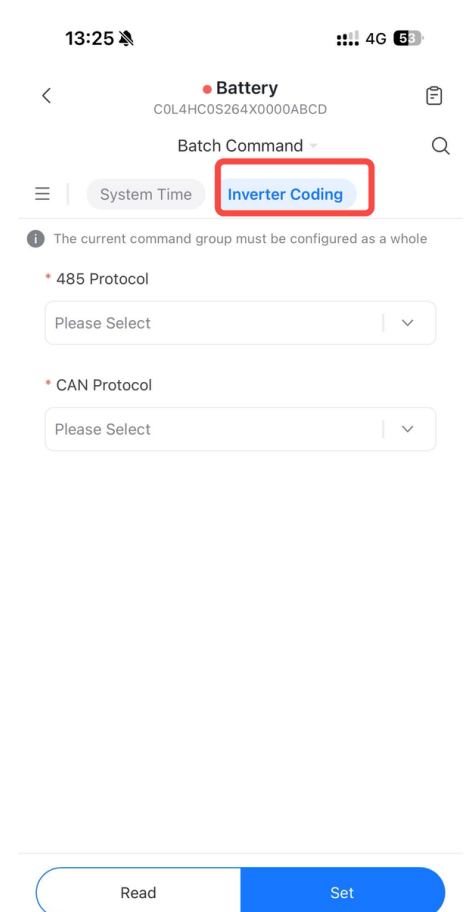
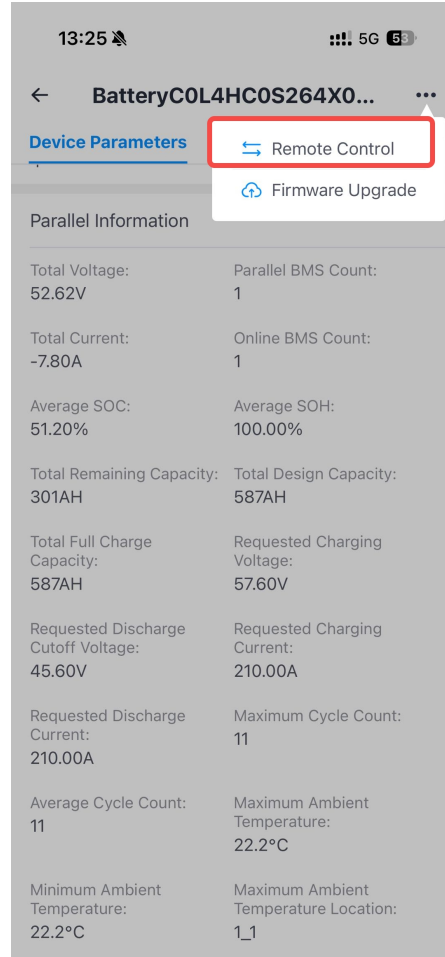
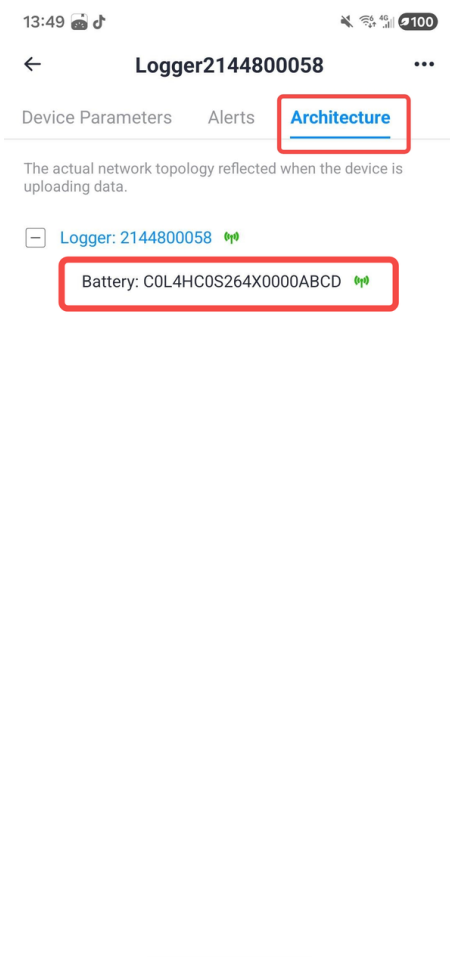
- Click Tab Inverter Coding
- Read the previous configuration;
- Select the new protocol;
- Click Set;



Use the APP

- Click the collector whose inverter protocol needs to be modified, click the Tab Architecture, and select the battery main packet;

2. Go to the top right corner -> select Remote Control to access the batch command page;
3. Select the Inverse Coding tab;
4. After selecting the corresponding RS-485 protocol and CAN protocol, click Set.



OTA

Authorized Firmware Package

1. To upgrade the device, you need to authorize the firmware package to the device manufacturer and provide your account information to them. The method to obtain the required information is as follows:
 - a. Click on the profile picture;
 - b. Select My Detail;
 - c. Provide Business Name and Email



To Do

My Watchlist

International

English



Dashboard

Monitor

Device Library

Device Library

Operation Log

Product

Product Manage...

Firmware List

Command Manag...

Bulk Task

Device File

Analysis

O&M

Applications

Management

Device Library

Please Enter SN. (SNs are sep)

Single Import

Batch Import

Logger

Status

SN	Type	Status	System	Parent Device Type	Parent Device SN	Parent Dev Status	Operation
☐	2144490165	Logger	OK	--	--	--	

Batch Operation

< 1 > 50/page Go to 1 Page Total 1

My Watchlist

International

English





Hithium ARKVOLT

Super admin

My Details

Personal Settings

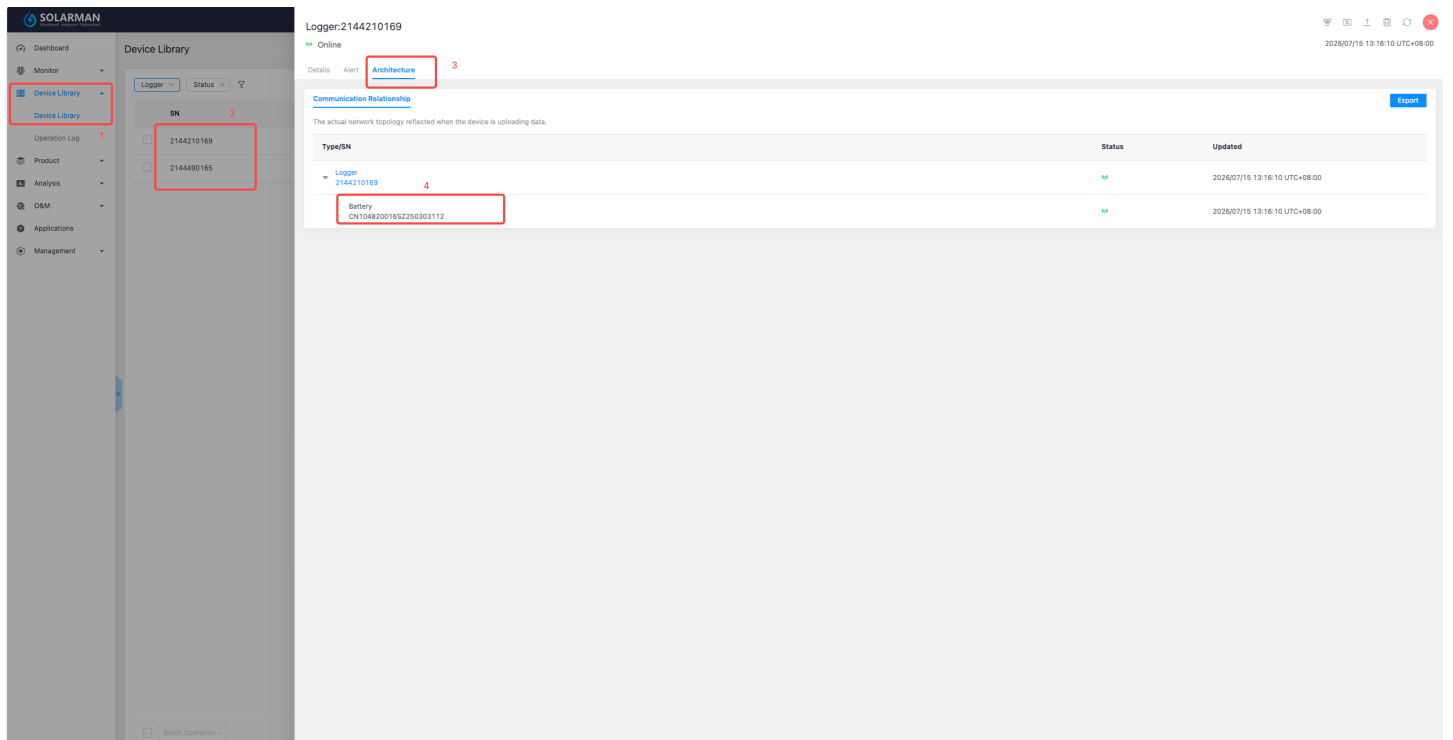
Cookie settings

Log Out

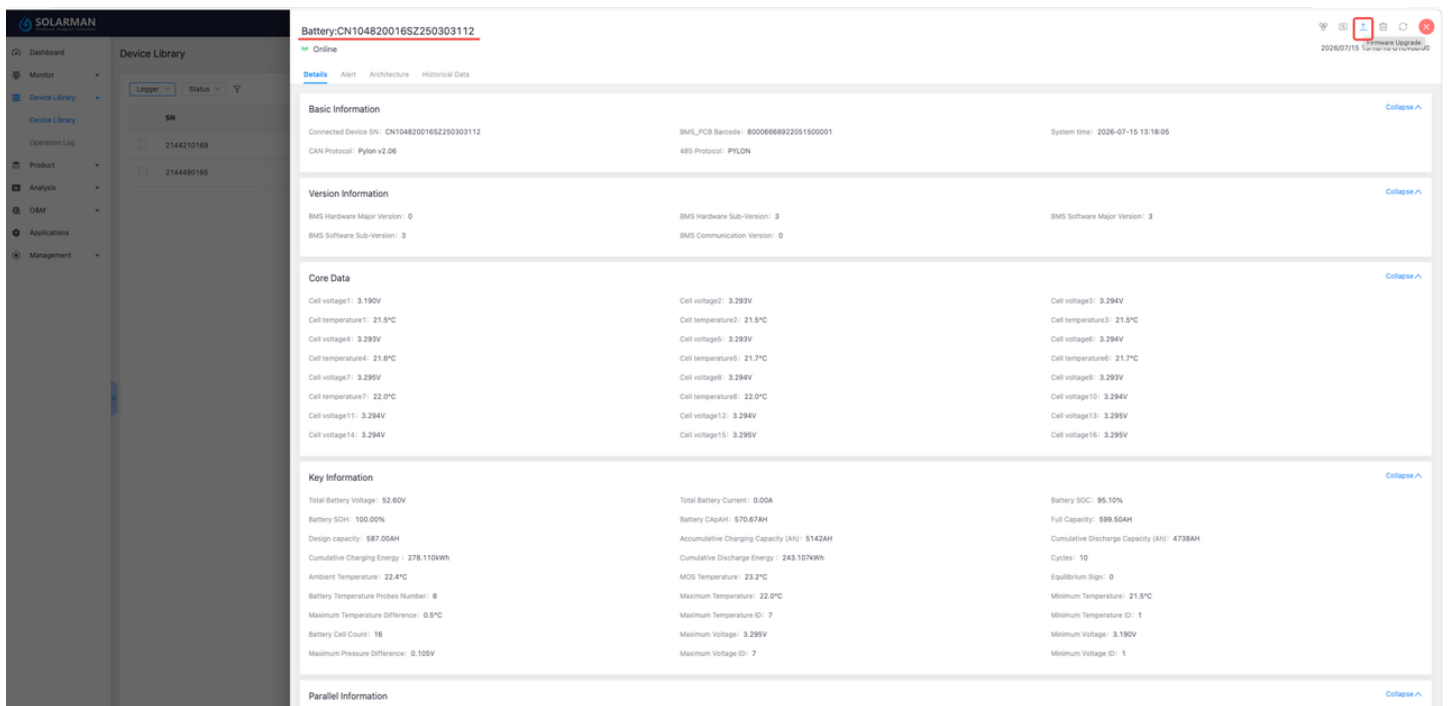
e Type

Parent Device SN

--



2. Main Battery Pack Details Page -> Device Upgrade;



3. Select the firmware package

Battery:CN104820016SZ250303112
Online
2026/07/15 13:16 UTC+08:00

Firmware Upgrade Upgrade Log

Current Version Info

BMS Hardware Major Version: 0
BMS Hardware Sub-Version: 3
BMS Software Major Version: 3
BMS Software Sub-Version: 3
BMS Communication Version: 0

Last Upgrade Record

No Data Available

Upgrade operation

Click Select Firmware Package

Timeout: 40 Minute

Start upgrading

List of authorized firmware packages, select according to the product model

Model	ProductName	Firmware Name
HPB_16LV	L16	BMS_HP_B_16LV_(Version)
HPB_16LV_S	L16s	BMS_HP_B_16LV_S_(Version)
HPC_30LV	AIO30 R30	BMS_HPC_30LV_(Version)

Select Firmware Package

All firmware

Please enter Firmware Name/Version Number

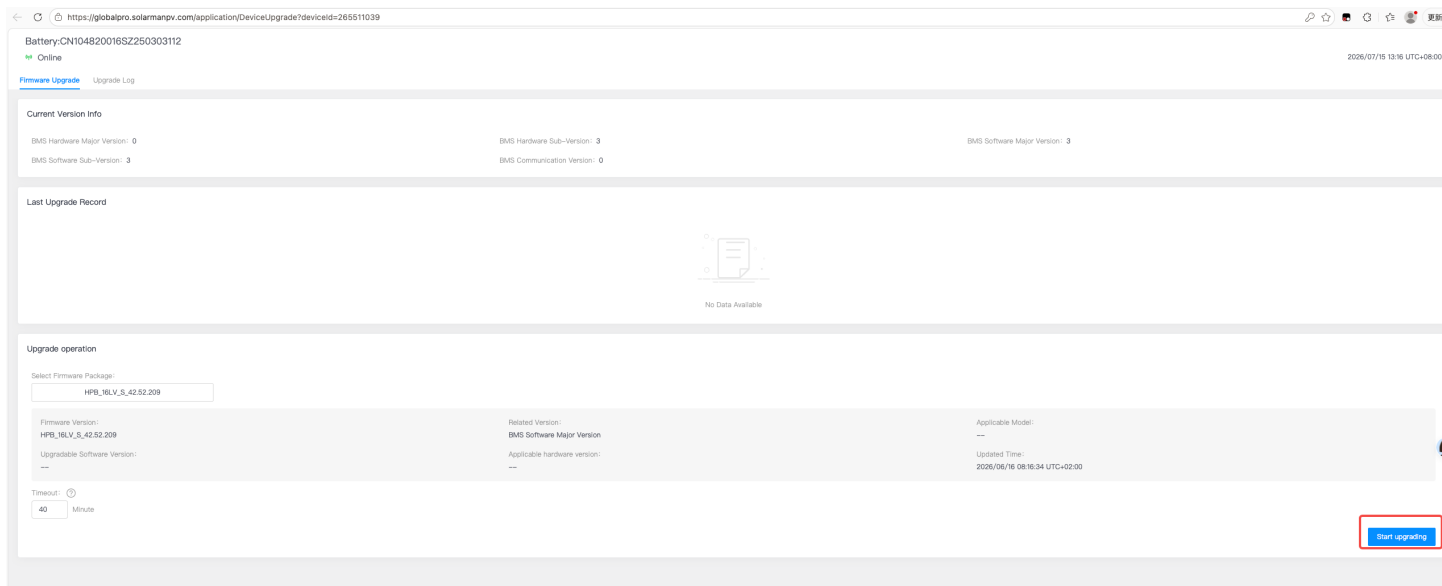
Total number of options: 2 Latest firmware first | Older firmware first

Firmware Name	Version	Version description	Updated Time
☒ HPB_16LV_S_42.52.209	HPB_16LV_S_42.52.209		2026/06/16 08:16:34 UTC+02:00
☐ BMS_HPC_30LV_51_3_3	BMS_30_51_3_3		2026/05/30 07:20:16 UTC+02:00

< 1 50/page Go to 1 Page Total 2

Cancel Confirm

4. Select the corresponding firmware package and click Upgrade

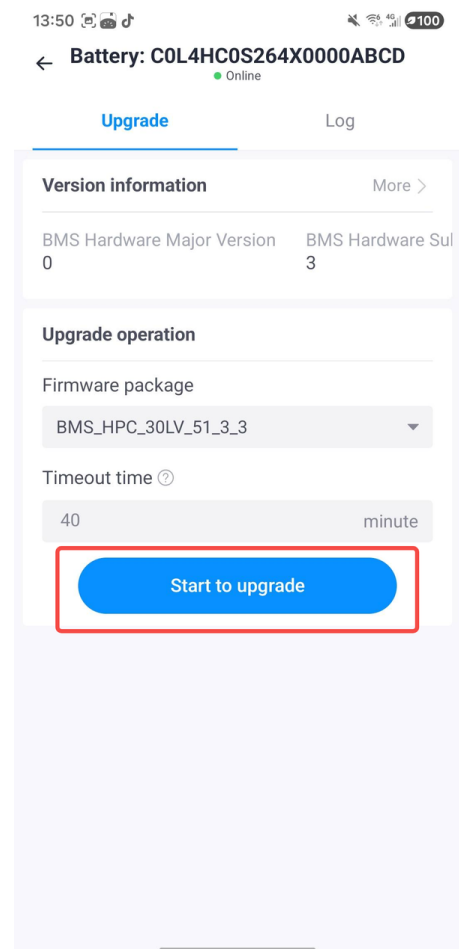
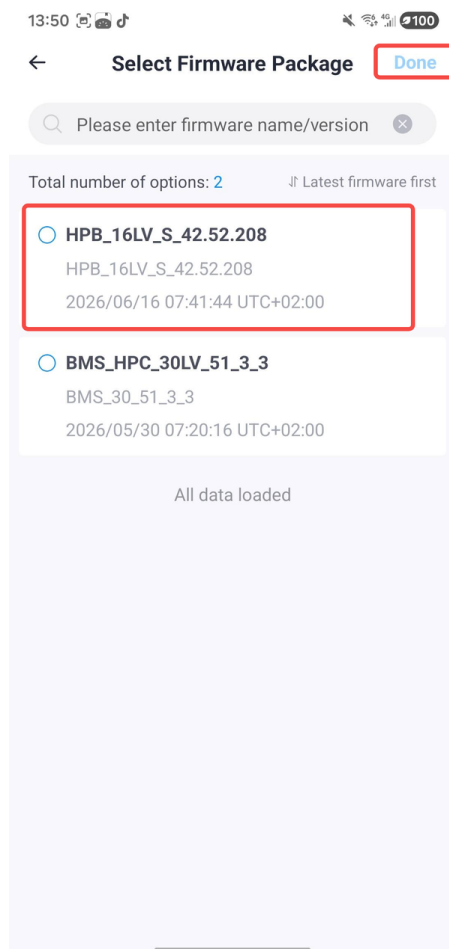
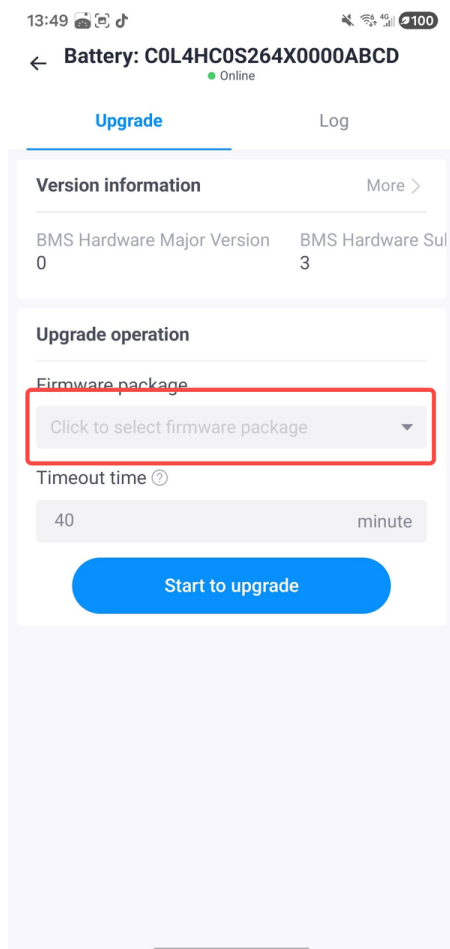
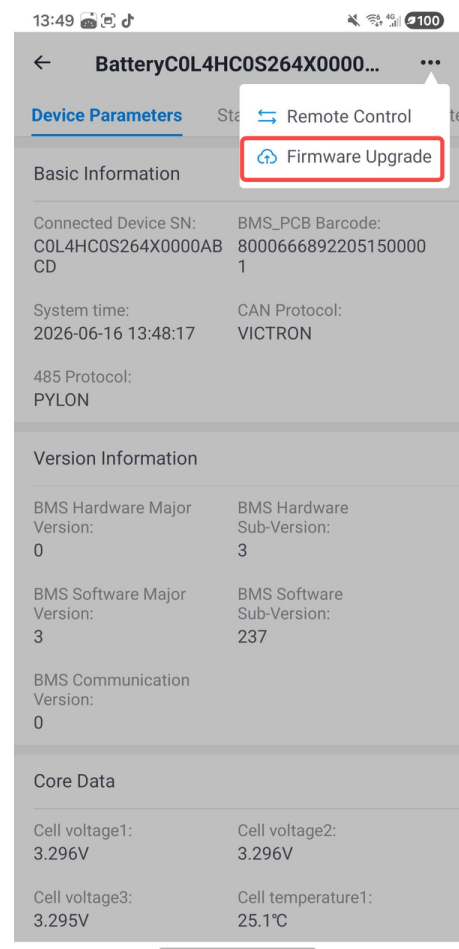
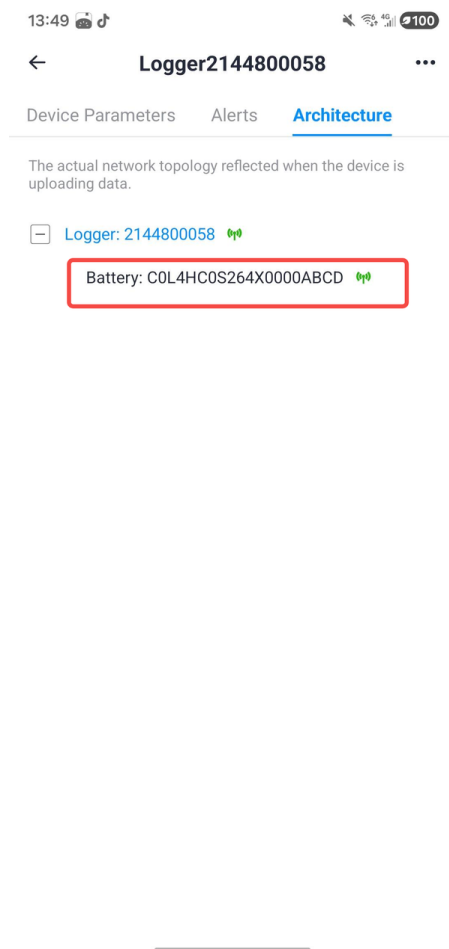
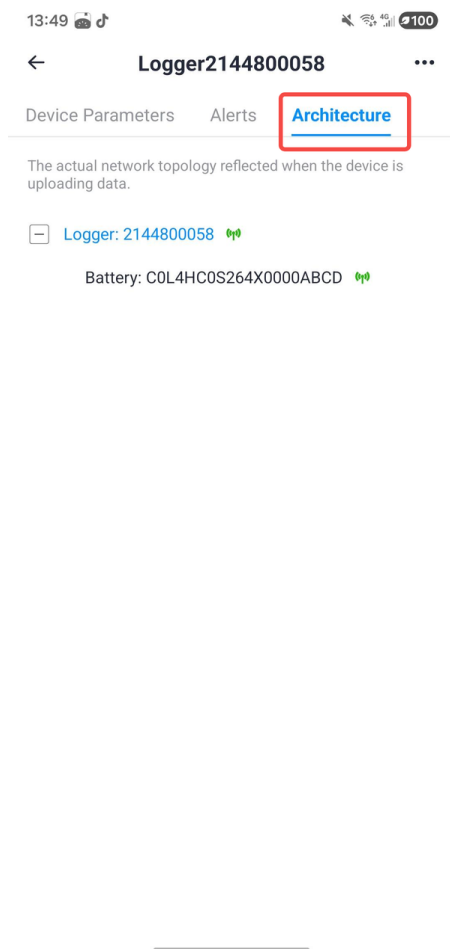


Use the APP

1. Click the collector that needs to be modified and upgraded, click the Tab Architecture, and select Battery **Main Pack**;
2. Top right corner -> select Firmware Upgrade;
3. Select the firmware package;

List of authorized firmware packages, select according to the product model

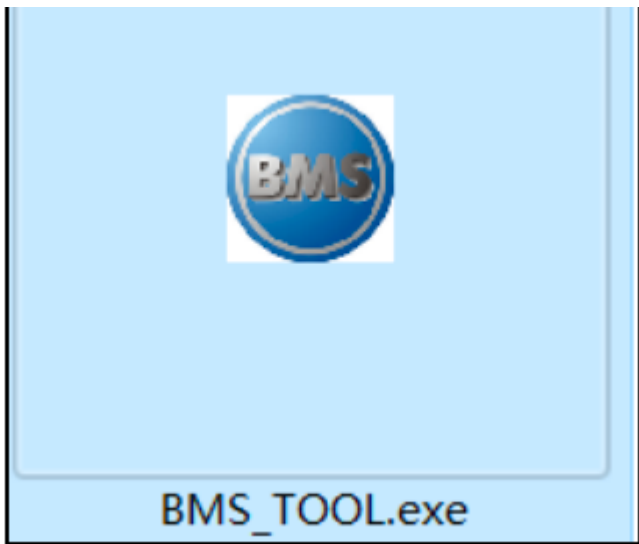
Model	ProductName	Firmware Name
HPB_16LV	L16	BMS_HP16LV_(Version)
HPB_16LV_S	L16s	BMS_HP16LV_S_(Version)
HPC_30LV	AIO30 R30	BMS_HPC_30LV_(Version)



Host Computer

Preparation

1. Install the upgraded host computer; as shown in the figure below (Compressed Packet description: BMS V3.76 (Energy Storage Series)). After downloading and extracting the Compressed Packet



2. First, connect the communication box correctly according to the pins (the communication interface adopts an RJ45 socket).

Wiring: Connect the "A" terminal of the RS485 communicator to RS485A, and connect the "B" terminal of the RS485 communicator to RS485B

引脚	定义	端口说明	顶视图
1	RS485-B	RS485	
2	RS485-A		
3	通讯 SGND		
4	NC		
5	NC		
6	通讯 SGND		
7	RS485-A		
8	RS485-B		

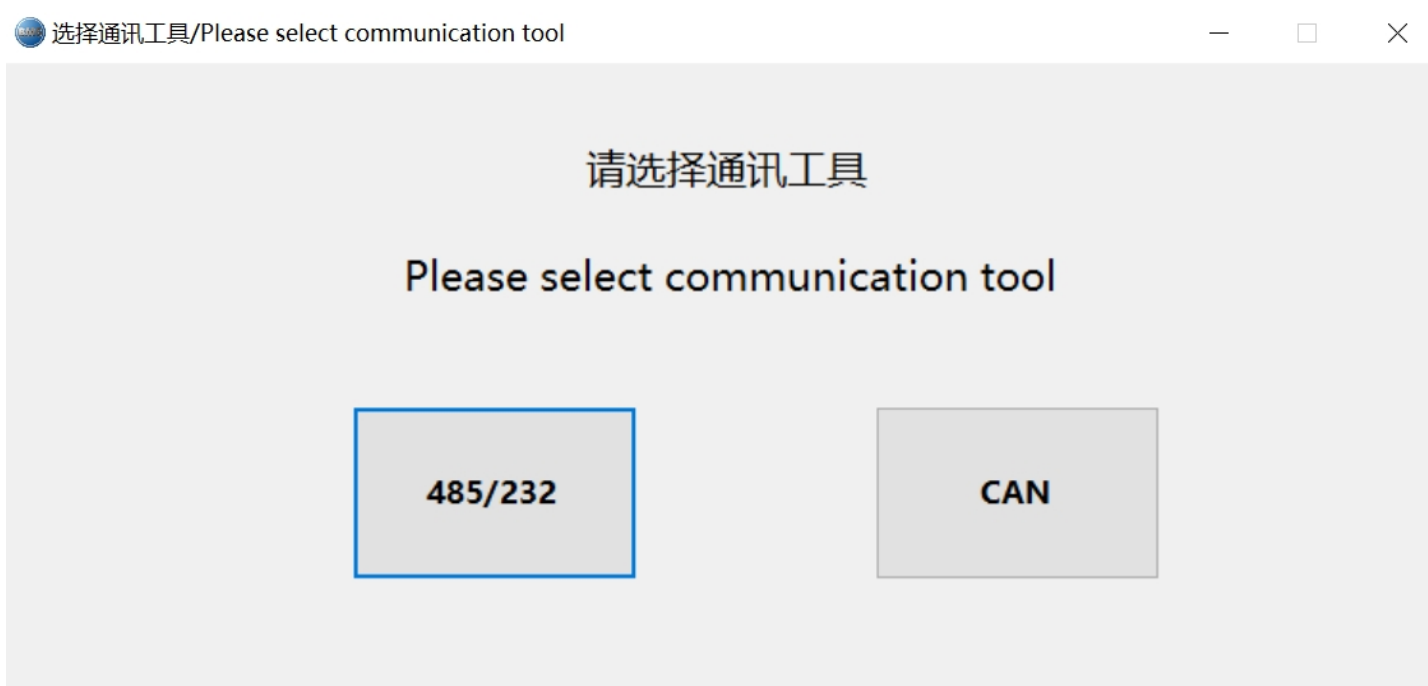
3. Insert the connected communication cable into the RS485 port of the Battery Pack;



建议使用 CAN 通信并给速率 500K 升级程序使用时更改

4. After powering on the itel Energy Battery host software of Topband and the Battery Pack, the first step: click on the host software icon

The communication option (RS485) will be displayed



5. Select the corresponding serial port (e. g. COM3), adjust the baud rate to 9600, then click to open the serial port;

Battery Management System(Energy storage series) V3.76

Realtime Monitoring Parallel summary Multi Monitoring History Parameter Setting System Setting SNMP User parameters WIFI Firmware Burn Use Help

Pack Information

Vtotal V SOC % Rem.Cap AH Pack

Itotal A SOH % FCC AH Cycle

Cell Voltage(mV)

MaxVolt MinVolt VoltDifferent

☐ Cell 1	☐ Cell 8	☐ Cell 15	☐ Cell 22
☐ Cell 2	☐ Cell 9	☐ Cell 16	☐ Cell 23
☐ Cell 3	☐ Cell 10	☐ Cell 17	☐ Cell 24
☐ Cell 4	☐ Cell 11	☐ Cell 18	☐ Cell 25
☐ Cell 5	☐ Cell 12	☐ Cell 19	☐ Cell 26
☐ Cell 6	☐ Cell 13	☐ Cell 20	☐ Cell 27
☐ Cell 7	☐ Cell 14	☐ Cell 21	☐ Cell 28

Temperature

Tcell 1	Tcell 2	Tcell 3	Tcell 4
Tcell 5	Tcell 6	Tcell 7	Tcell 8
BAL_T	MOS_T	ENV_T	ΔT
铜排温度1	铜排温度2	铜排温度3	预充温度

Other information

HW	SW
Product Code	BMS SN1
PACK SN	BMS SN2

Auto Search Port Open

Baud Rate 9600 Start Monitor

CN-A Interval 2 S

System Status

CHG-MOS-ON	CHARGING	CHG-LIMIT	ACin
DSG-MOS-ON	DISCHARGING	HeatOn	FULLY
Chg-Match	Fireproof	PRE-MOS	Anti theft
脱扣器			

Fault Status

Alarm Status

Protect Status

CHG-MO	Open	Close	DSG-MOS	Ope	Clos
Shutdo	Shutdown		Reset	Reset	
Release	Set		System	Unlock	

Pack

Auto		
0	22	44
1	23	45
2	24	46
3	25	47
4	26	48
5	27	49
6	28	50
7	29	51
8	30	52
9	31	53
10	32	54
11	33	55
12	34	56
13	35	57
14	36	58
15	37	59
16	38	60
17	39	61
18	40	62
19	41	63
20	42	64
21	43	65

6. After clicking to open the serial port, the host computer automatically identifies the battery address "1";
7. After exiting the automatic identification, the real-time monitoring interface of the host computer displays the current battery information status of address "1";

Inverter protocol selection

Select "User parameters", Inverter protocol selection, then Set;

Battery Management System(Energy storage series) V3.76

Realtime Monitoring Parallel summary Multi Monitoring History Parameter Setting System Setting SNMP User parameters WIFI

Capacity

Remained Capacity AH Get Set

Fulled Capacity AH Get Set

Designed Capacity AH Get Set

Get All Set All

Set BMS address

new Set

ASIC Setting

Manufacture Ge Set

Battery Code Ge Set

Inverter protocol selection

CAN :

485 :

Get Set

OTA

1. Enter the firmware burning interface and import the firmware file to be upgraded;
2. If parallel upgrade is required, check the **Parallel Upgrade** option;
3. File loaded successfully, click Download

Realtime Monitoring Parallel summary Multi Monitoring History Parameter Setting System Setting SNMP User parameters WIFI Firmware Burn Use Help

Upgrade

Other Information

Sensor Name

Soft Release

Factory Name

MCU

Operating area

Read

BOOT INFO

Boot Ver

PROT Ver

Time

Date

PCB

Read

Chip

Open File

Burn Progress

Burn Time 0 S Clear

Upgrade parameter Parallel Upgrade

Download

PASS

Parallel Upgrade Instructions

Ensure all battery units are powered on and the parallel connection cables are properly connected. Confirm each unit's address is displayed on the upper computer, then select the first unit to start the upgrade. Once the master unit completes the upgrade, wait 30 seconds, and the master unit will automatically push the upgrade firmware to the slave units.

After the upper computer programming is completed, the protection board will enter the boot state, which takes about 30 to 60 seconds to complete the initialization.

After that, the current battery level will be displayed, and normal communication operations can be performed.