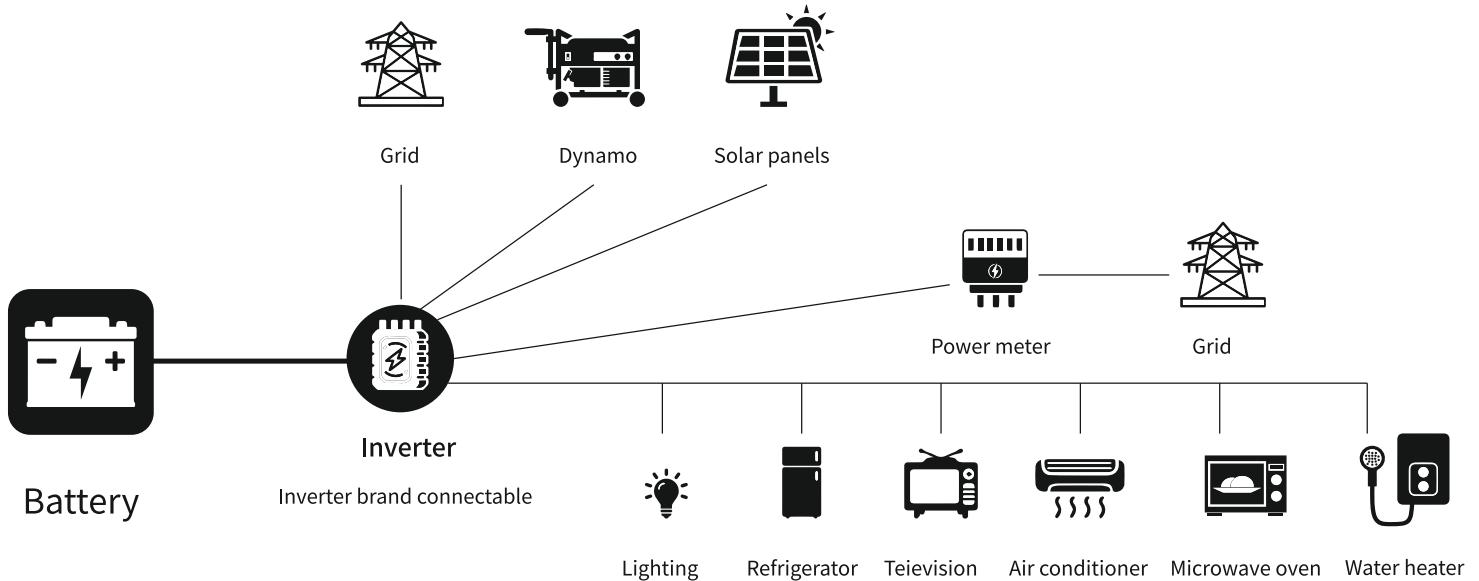


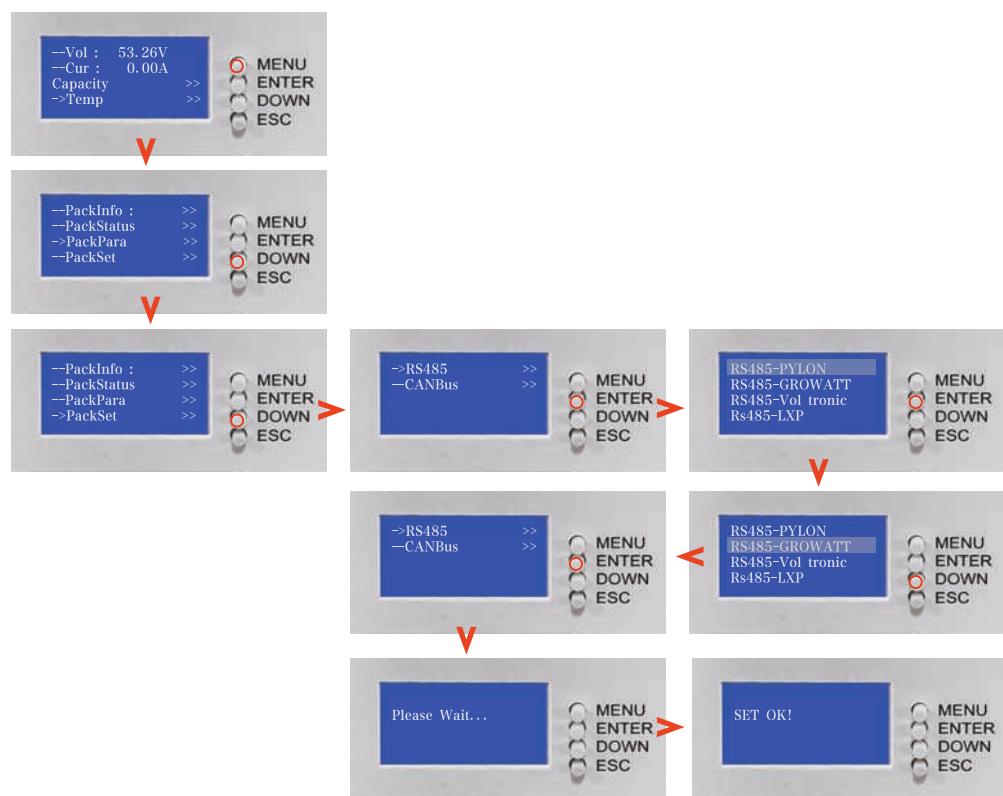
unisun
energy



Application Diagram



Inverter brand connectable



51.2V300AH

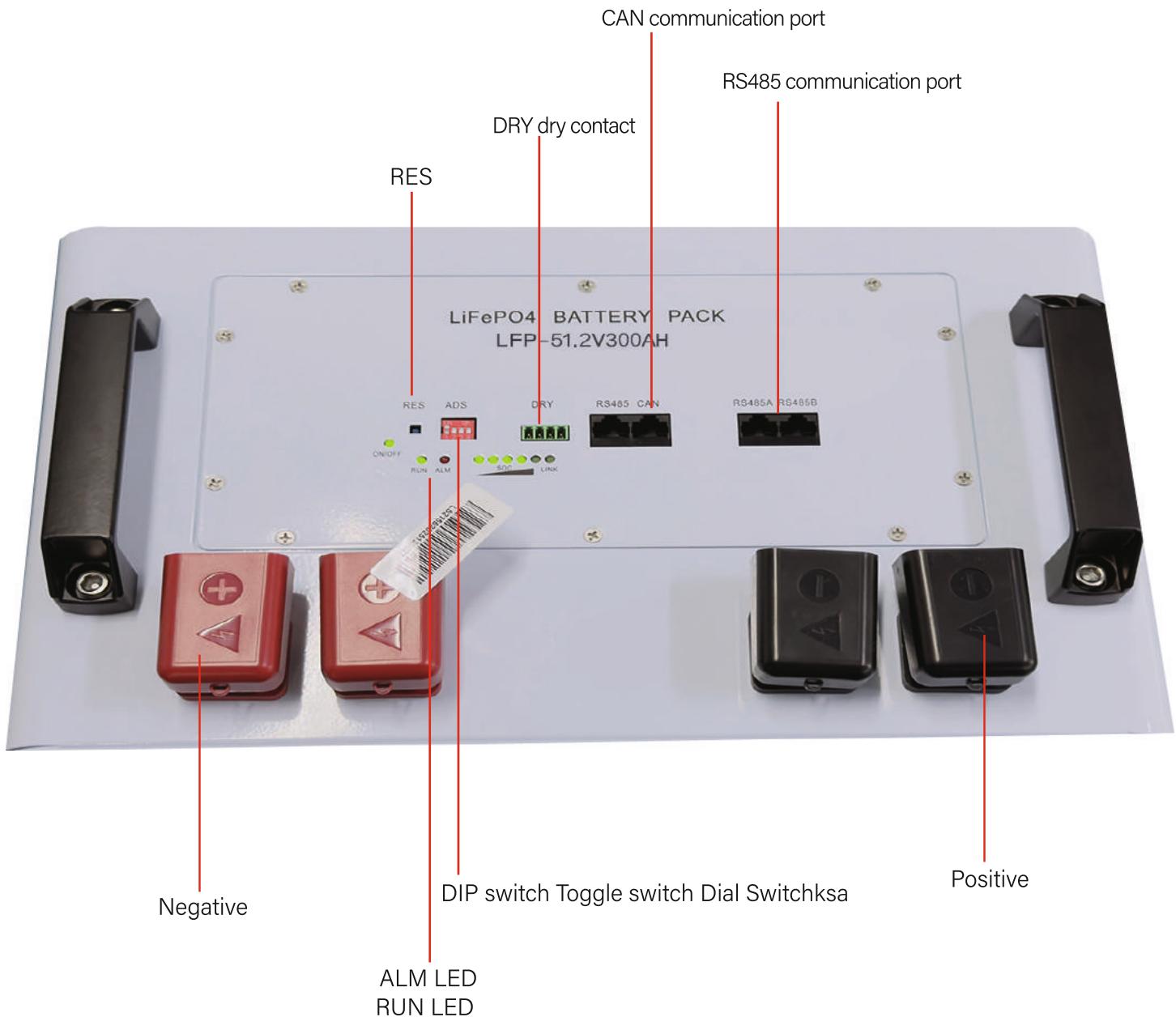
51.2V 15KWH

LiFePO4 Battery Pack Storage battery for household use



Rated Capacity	300Ah
Rated Voltage	DC51.2V
Rated Energy	15360Wh
Operating Voltage	44.8V ~ 58.4V
Max. Charge Current	75A
Max. Discharge Current	150A
Peak Current	200A
Discharge Temp	-10°C ~ 55°C
Charge Temp	0°C ~ 55°C
Dimension	L850*W390*H255(mm)
Weight	113Kg
Internal Resistance	$\leq 30m\Omega$
Cycle Life	6000
Communication	CAN / RS485
Warranty	5 years

Wiring port description



product accessories



Power Cables*2

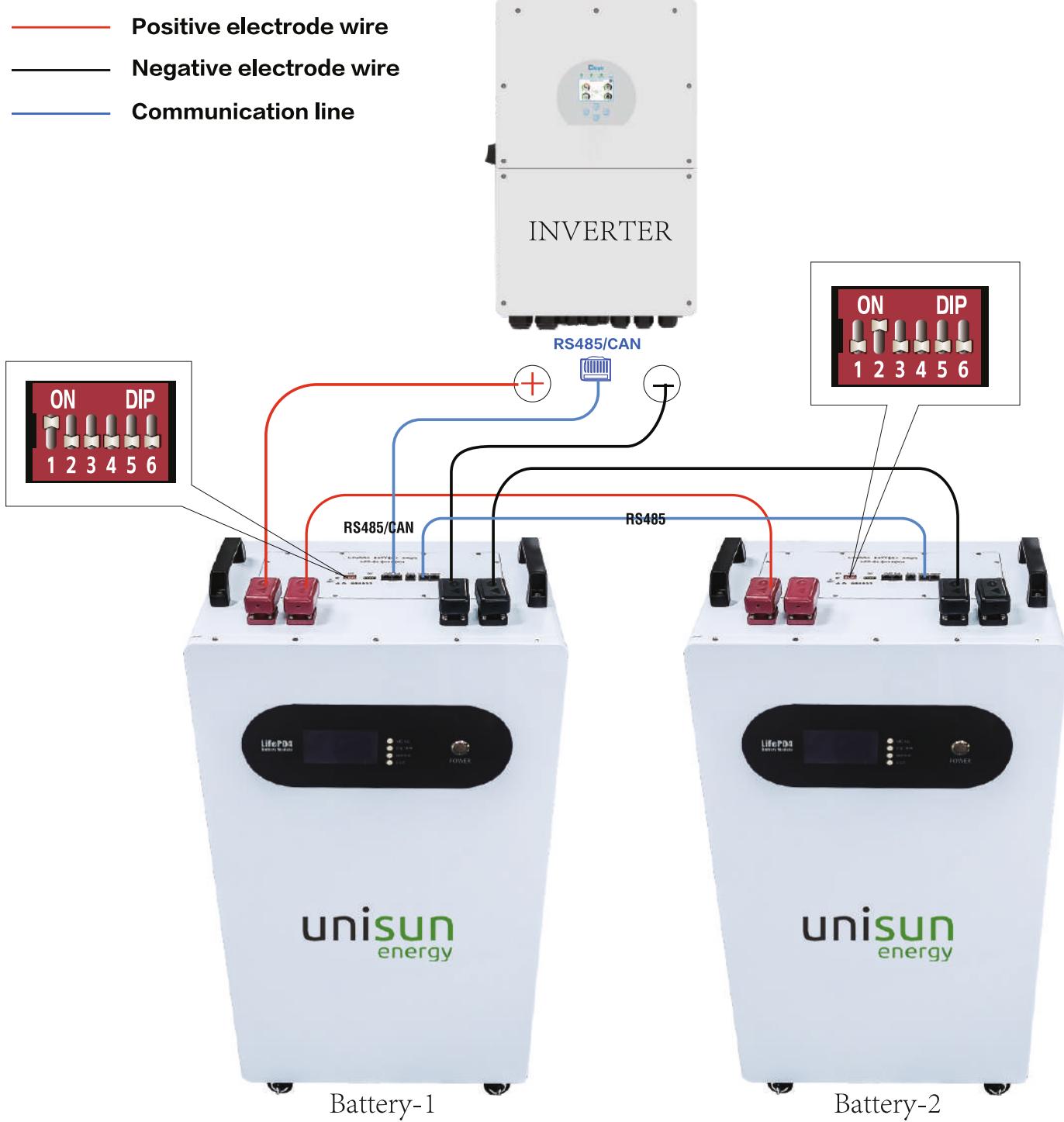


COM Cable*1

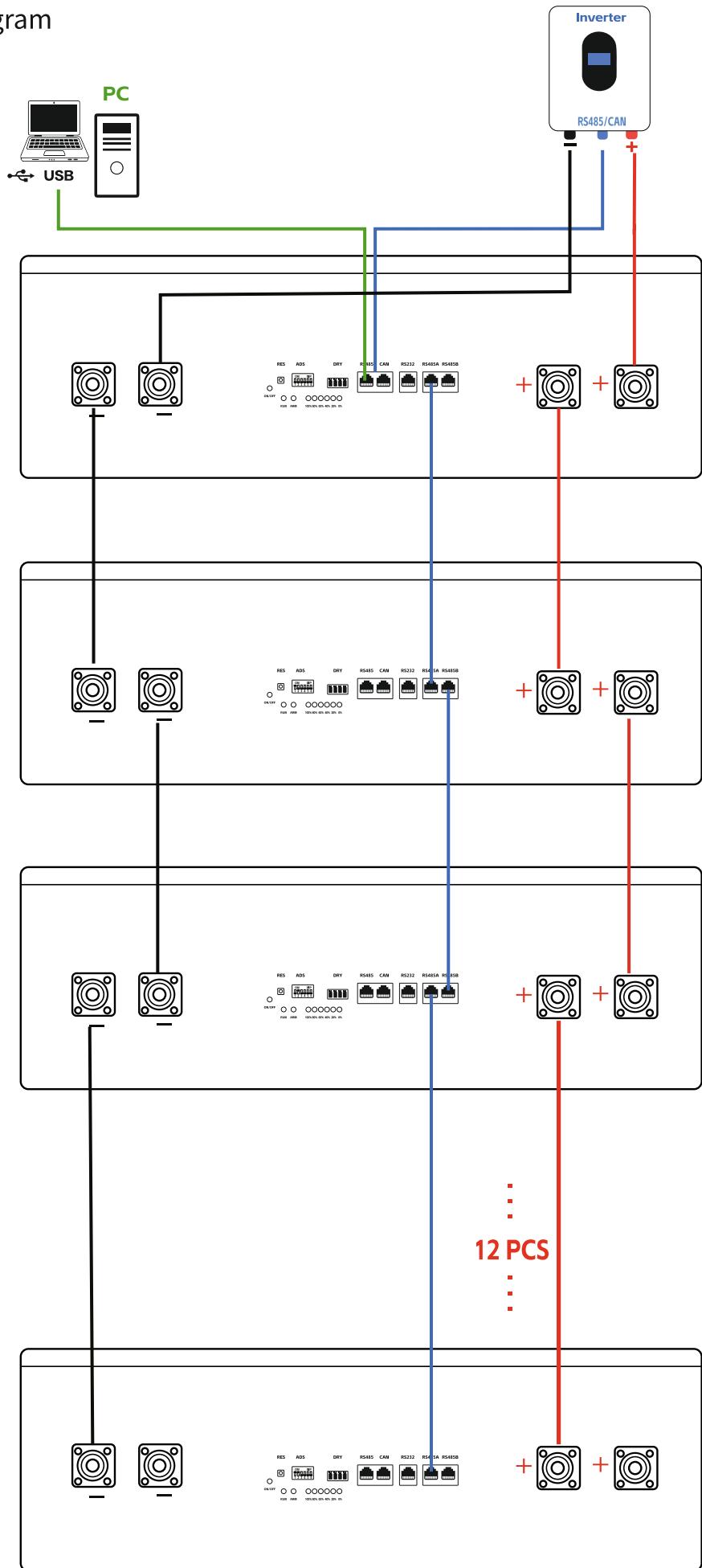


CE certification
& moisture-proof agent

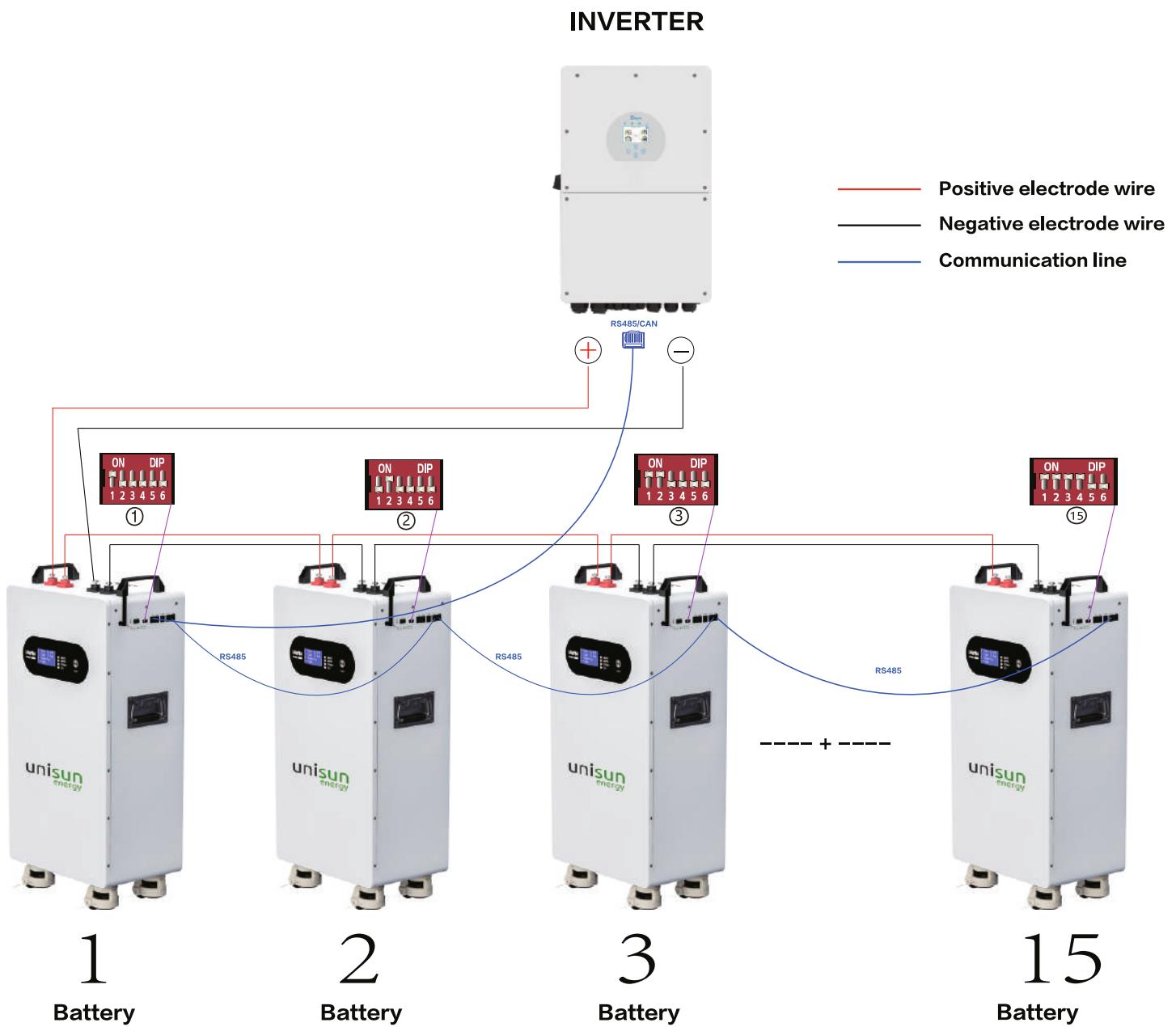
Parallel diagram



Parallel diagram



Parallel diagram



product accessories



Power Cables*2

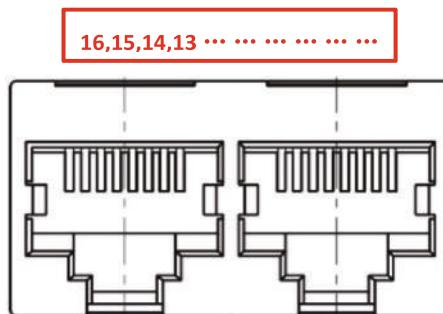
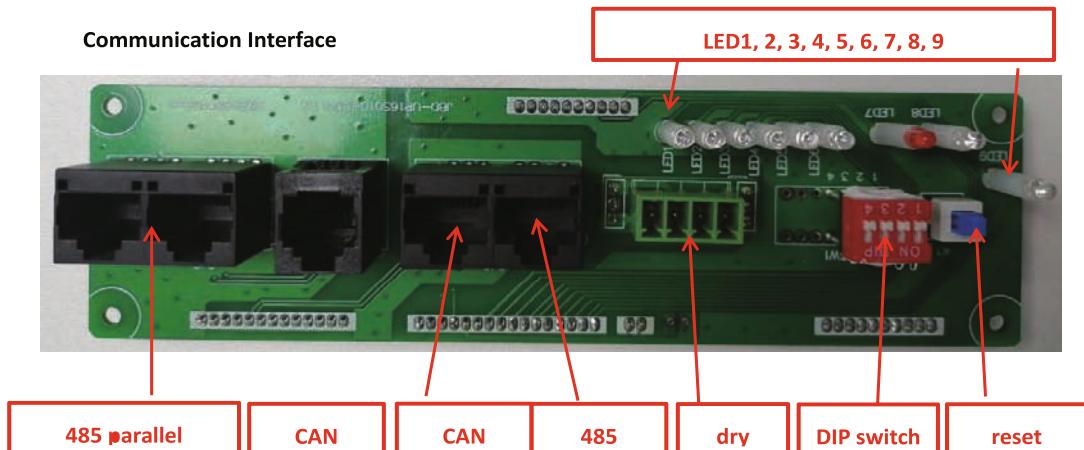


COM Cable*1



CE certification
& moisture-proof agent

RS485/CAN/,232 Interface Definition

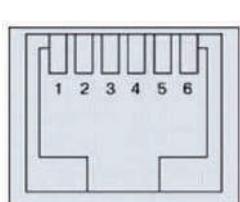


RS485--use8P8CVerticalRJ45socket		CAN--use8P8CVerticalRJ45socket	
RJ45pin	Definition	RJ45pin	Definition
1, 8	RS485-B1	9, 10, 11, 14, 16	NC
2, 7	RS485-A1	12	CANL
3, 6	GND	13	CANH
4, 5	NC	15	GND

CAN and RS485 interface

RS485--use8P8CVerticalRJ45socket		RS485--use8P8CVerticalRJ45socket	
RJ45pin	Definition	RJ45pin	Definition
1, 8	RS485-B	9, 16	RS485-B
2, 7	RS485-A	10, 15	RS485-A
3, 6	GND	11, 14	GND
4, 5	NC	12, 13	NC

Parallel communication port



RS232--use6P6CVerticalRJ11socket	
RJ11pin	Definition
1,2,6	NC
3	TX (veneer)
4	RX (veneer)
5	GND

232 communication port

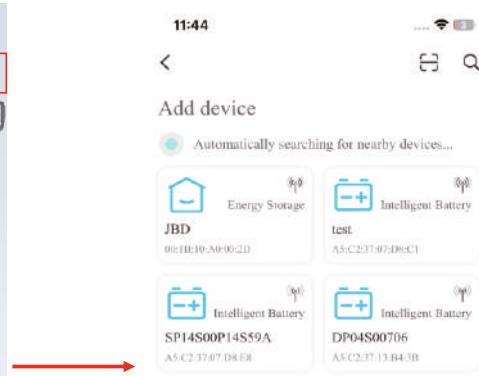
◆ STEP 1: Add



Software Download

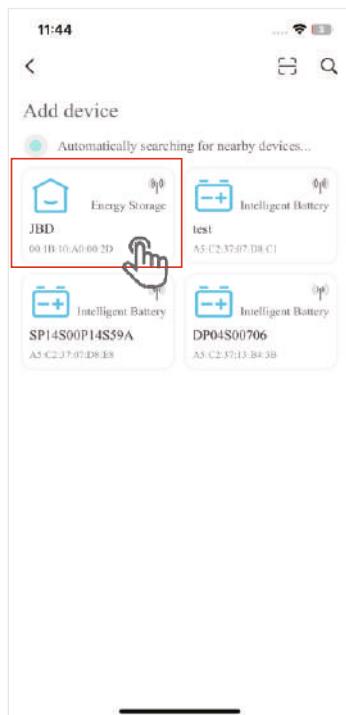


Click "Add"

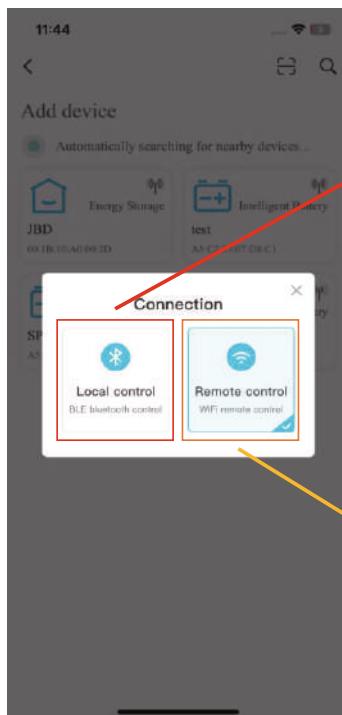


BT Scanned "Device List"

◆ STEP 2: Connection



Click "Energy Storage"



Check "Connection"

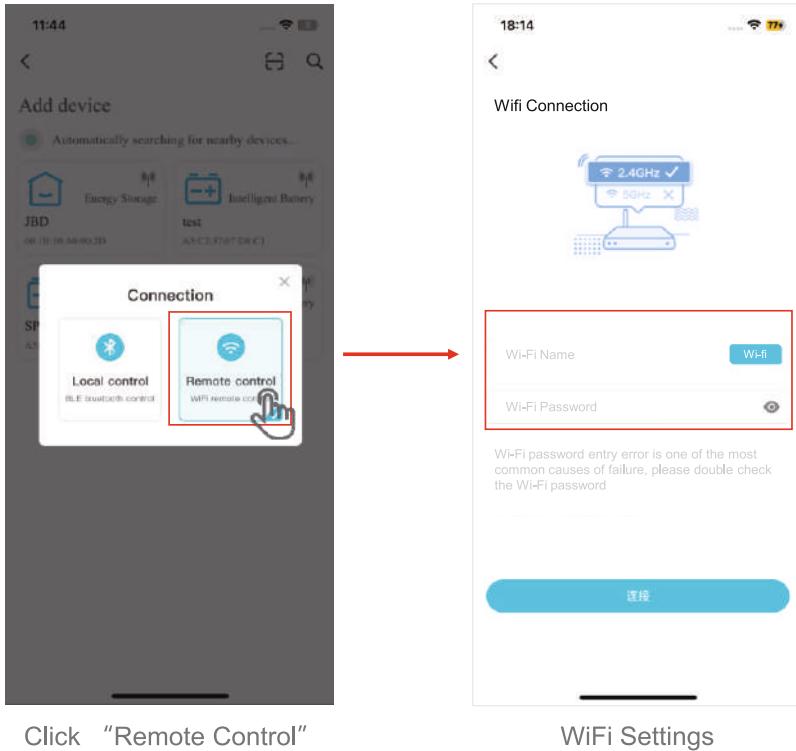
Bluetooth

- ◆ Select a Bluetooth connected device to read data and control the device near the device
- ◆ Disadvantages: Away from the device, unable to connect the device, read data, control the device

WiFi

- ◆ To select WiFi connection, you need to configure the device with a WiFi (2.4GHz) network
- ◆ Once the distribution network is completed, as long as the WiFi is online, data can be read and equipment can be controlled in real time

◆ STEP 2-1: WiFi Connection



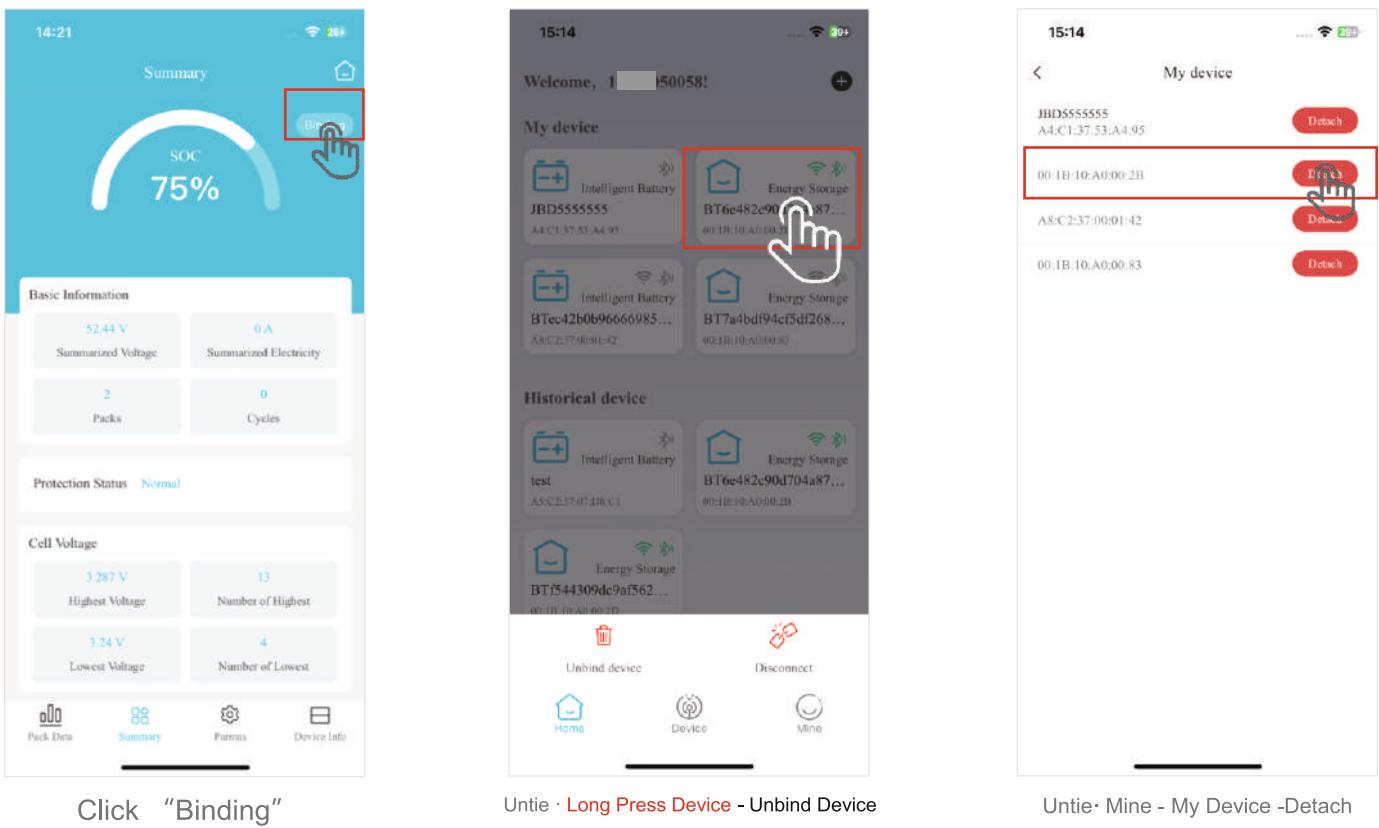
Click "Remote Control"

WiFi Settings

Keynote

- ◆ WiFi distribution network needs to be connected to the 2.4GHz WiFi
- ◆ WiFi distribution network is successful, will return a prompt (success or failure);
- ◆ Distribution Successful-Jump-Enter Device Page

◆ STEP 3: Energy Storage · Summary Binding & Untie

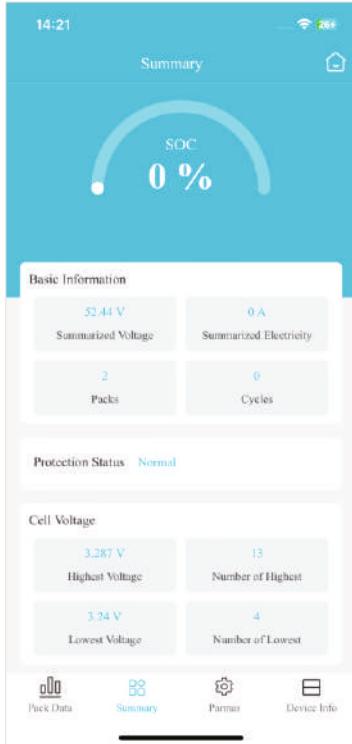


Click "Binding"

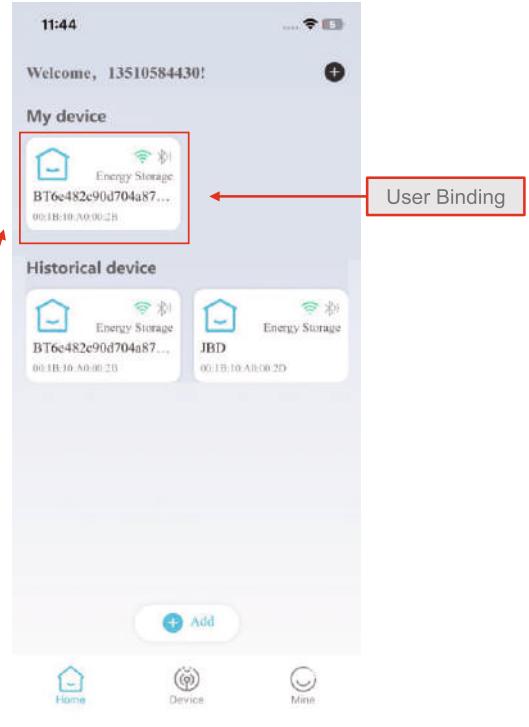
Untie · Long Press Device - Unbind Device

Untie · Mine - My Device - Detach

◆ STEP 4: Energy Storage · Summary

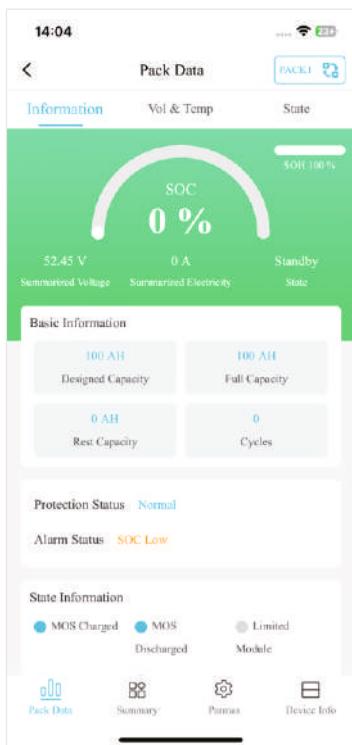


Device connection (Bluetooth or WiFi) successful
Enter Energy Storage · Summary

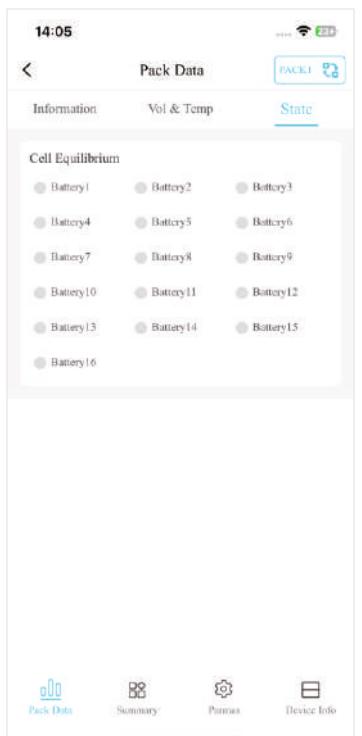


Energy Storage · Summary

◆ STEP 5: Energy Storage · Pack Data



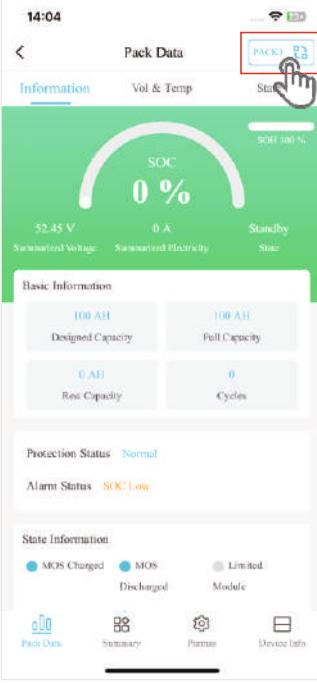
PACK · Vol & Temp



PACK · State

PACK · Information

◆ STEP 5-1: Energy Storage Switch Pack Data



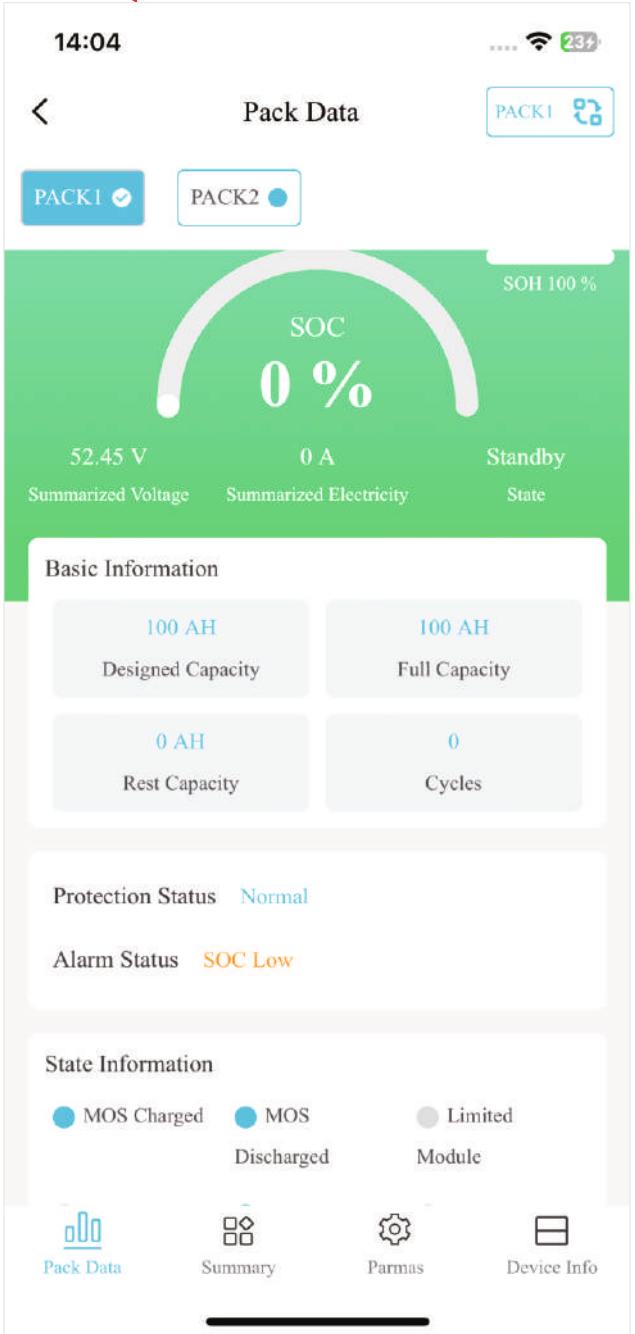
Switch "PACK"

Selected + Online PACK1

Selected + Online PACK1

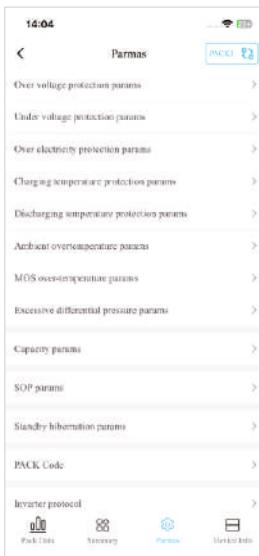
No Selected + Online PACK2

No Selected Offline PACK3



Switch "PACK"

◆ STEP 6: Energy Storage · Params / Device Info-OTA



Params



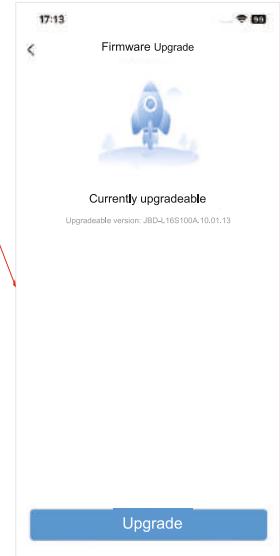
Switch · PACK



Device Information

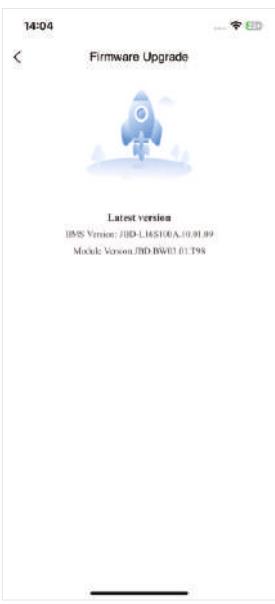


• Tips for OTA upgrade



New firmware version detected

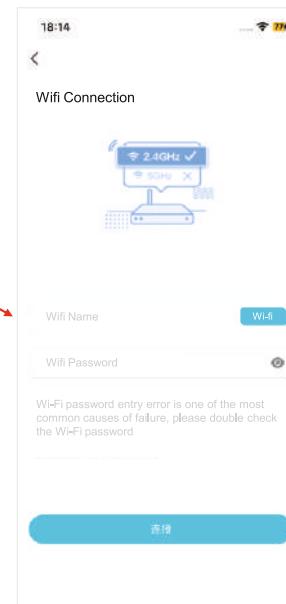
◆ STEP 7: Energy Storage Device Info- Reconnect the WiFi



No new firmware detected



Device Info

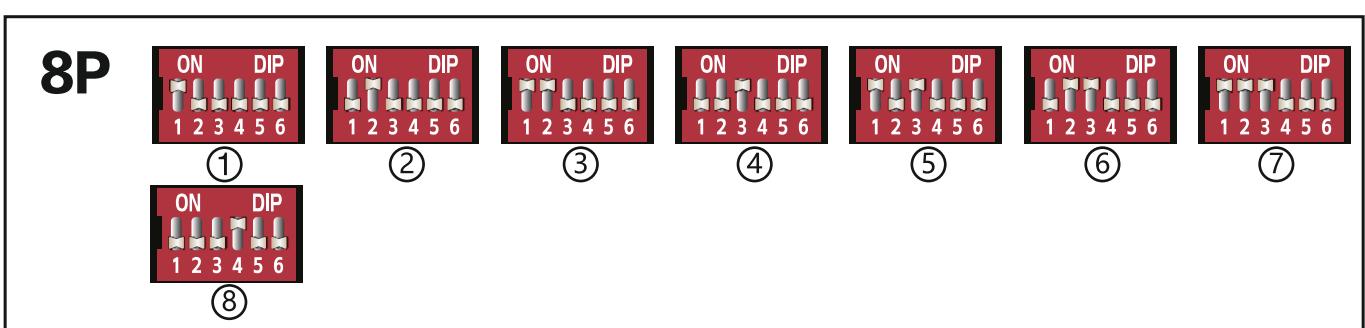
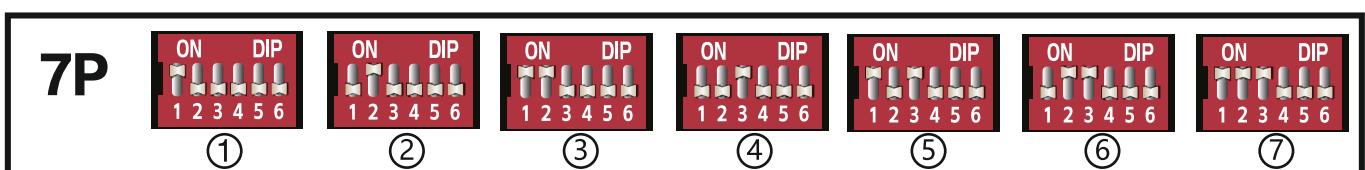
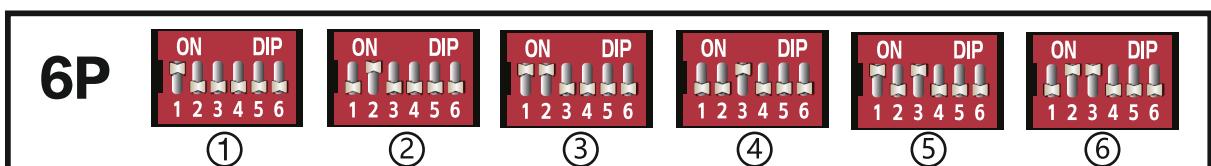
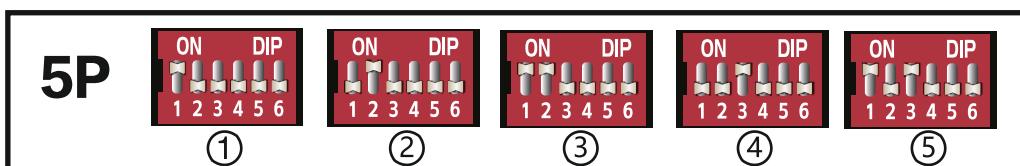
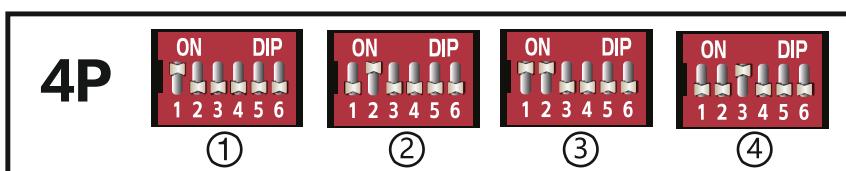
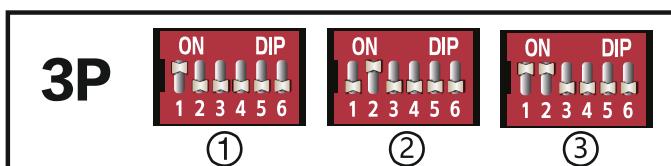
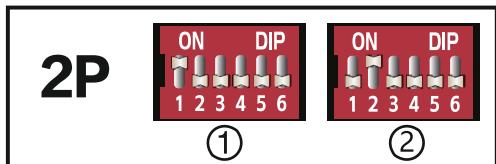
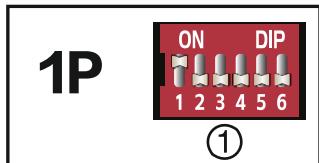


Reconnect the WIFI

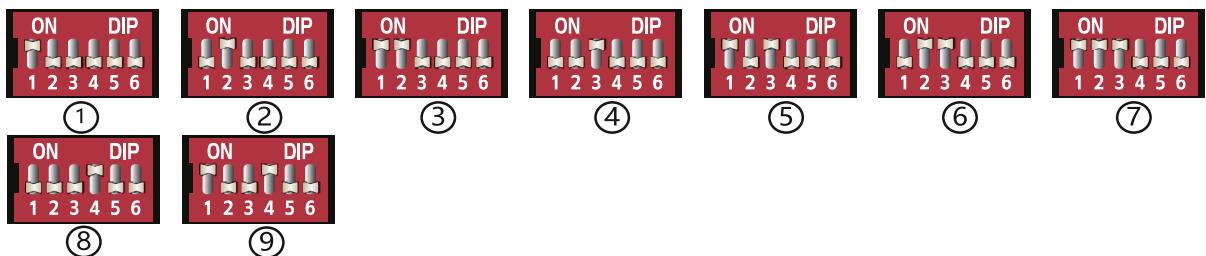
Reconnect the WiFi

- ◆ WiFi (WiFi Name、 WiFi Password) Change
- ◆ When the equipment is disconnected and needs to be reconnected

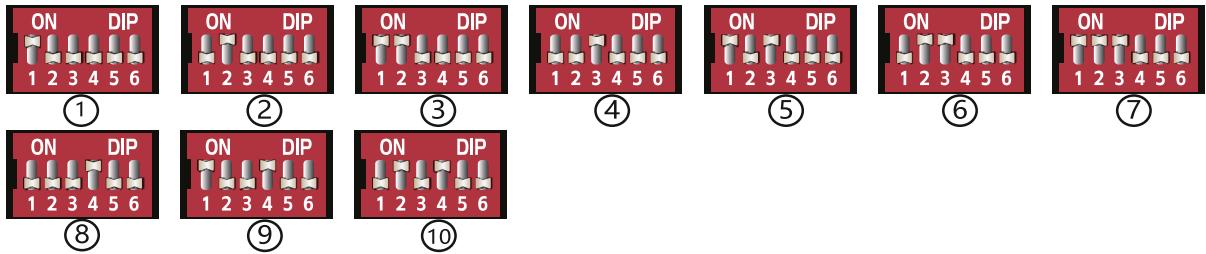
Code drawing



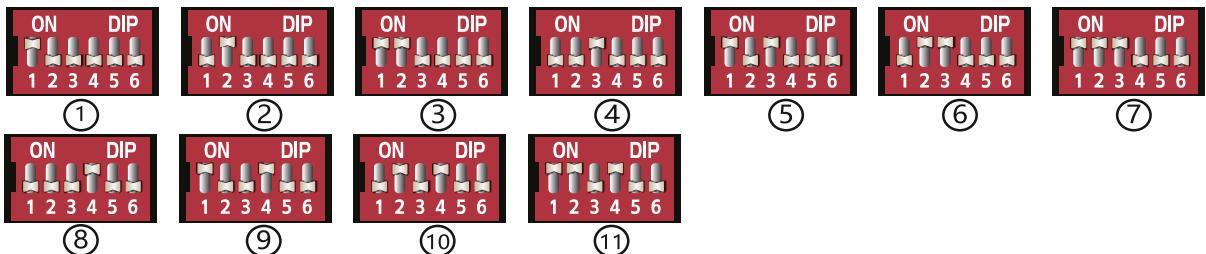
9P



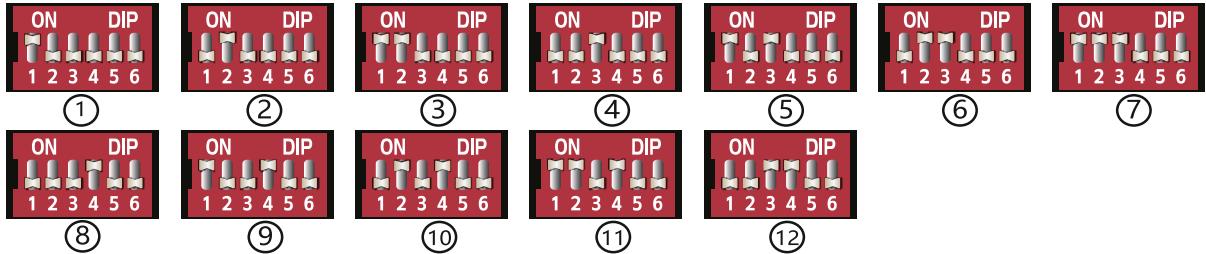
10P



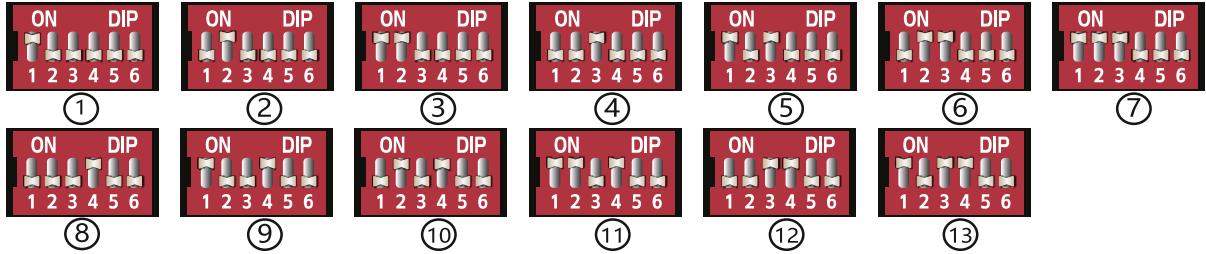
11P



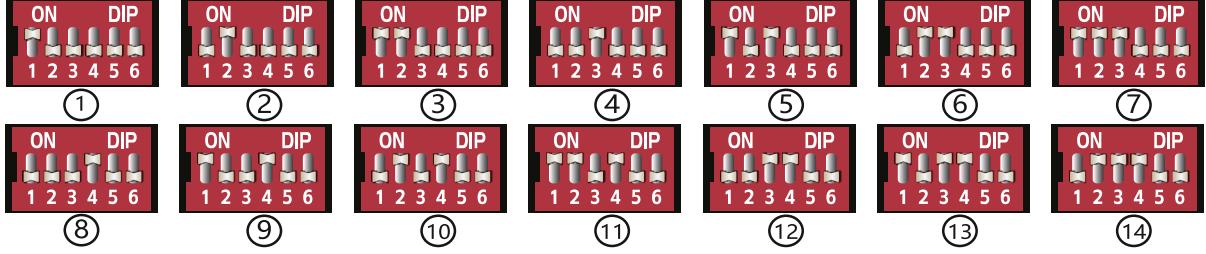
12P



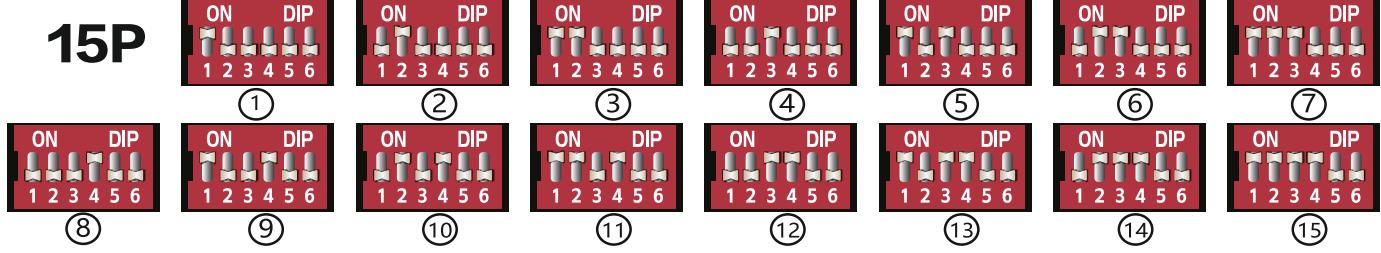
13P



14P



15P



Precautions

If there is inconsistency in voltage and capacity when connected in parallel, it means that the batteries are connected in parallel. Cut off the charging load, turn on the battery switch, and let the batteries charge each other. Prepare a step-by-step diagram.

If it suddenly shuts down, it can be activated by charging or discharging first.

3. (And other solutions to common problems)

Matters needing attention

1. After using up the electricity, charge within 24 hours
2. Turn off the machine first, then connect the positive and negative terminals of the battery to avoid short circuits.
3. Do not expose the battery to high temperatures, stay away from heating and fire sources
4. Do not put the battery in water to avoid getting wet.
5. Do not disassemble the battery without authorization
6. Keep the battery in a cool and dry state. If the battery is not in use, please charge it every 3 months
7. Charging and discharging voltage, charging and discharging current should be set according to the factory label

8. Note that the battery must be turned off before disassembly and assembly.

**9. When connecting the battery to the inverter,
the battery must be turned on first and then the inverter must be turned on**

10. It is strictly prohibited to open the battery without authorization, Warranty void if seal is broken



Pay attention to retention

Warranty Card

Model: _____

Phone: _____

Series: _____

E-mail: _____

Purchase address: _____

Contact address: _____

Purchasing date: _____

1. If this product malfunctions while in use from the date of purchase, please contact our company's business. This certificate should be presented during warranty

2. Machine malfunctions caused by the following reasons are not covered by the free warranty:

- A. Component damage caused by human factors
- B. Damage caused by personal transportation
- C. Personal accidental damage to products
- D. Force majeure: such as damage caused by natural disasters
- E. Third party damage
- F. Poor power supply environment damage
- G. Damage caused by foreign objects entering, repair, etc
- H. Damaged items such as self disassembly, repair, etc

3. We are not responsible for the failure of other equipment directly or indirectly caused by product reasons

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- F. Poor power supply environment damage
- G. Damage caused by foreign objects entering, such as water, liquids, etc
- H. Damaged items such as self disassembly, repair, etc

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