



Installation and Configuration Manual With Solis

Pytes Lithium Battery HV48100

With Solis Inverter



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WARNING

HV48100 is a high voltage DC system and must be operated by authorized person only.

Before connecting

- 1) Please check products and components according to enclosed packing list after unpacking. Please contact PYTES if there is any damage or missing of products and / or components.
- 2) Make sure power sources are cut off and battery system is powered off before installation.
- 3) Wiring correctly by identifying positive and negative cables to ensure no short circuit with external devices.
- 4) It is forbidden to connect the battery directly with AC power.
- 5) Battery system must be well grounding and the resistance must be less than 0.1Ω .
- 6) Make sure the electrical parameters of battery system are compatible with related equipment.
- 7) Keep the battery away from water and fire.

In Operation










- 1) Battery must be physically powered off in case of any move or repair.
- 2) It is forbidden to connect HV48100 to other types of battery.
- 3) It is forbidden to connect the battery to a faulty or incompatible inverter.
- 4) It is forbidden to disassemble the battery (QC label removed or damaged).
- 5) In case of fire, only dry powder fire extinguisher can be used, liquid fire extinguishers are prohibited.
- 6) Please do not open, repair or disassemble the battery other than staffs from Pytes or authorized by Pytes. Pytes do not undertake a consequences or related responsibility caused by violation of safety operation or design, production and equipment safety standards.

Caution

- 1) Please read this manual carefully before installation and any operation.
- 2) Charge the battery every 6 months to keep battery SOC > 90% if long term storage.
- 3) Battery must be charged within 12 hours when low voltage alarm triggered.
- 4) Battery DC output voltage exceeds 48V. It is vital to pay attention to personal safety in any case when operating.
- 5) All battery terminals must be disconnected before maintenance.
- 6) Please contact with Pytes within 24 hours if there is anything abnormal.
- 7) Battery being damaged directly or indirectly by above cases will result in warranty failure.

Prepare Tools

Before installation, prepare the following tools to ensure your safety.

		
Wire Cutter	Crimping Modular Plier	Cable Ties
		
Screw Driver Set	Electric Screw Driver	Insulating Gloves
		
Adjustable Wrench	1500VDC Isolating nut drivers	2000VDC Multimeter

Check BOM List

Before installation, you should prepare following items.

Item	Quantity
PYTES HV48100 Battery	1
Solis Inverter	1
Positive Power Cable	1
Negative Power Cable	1
Communication Cable	1

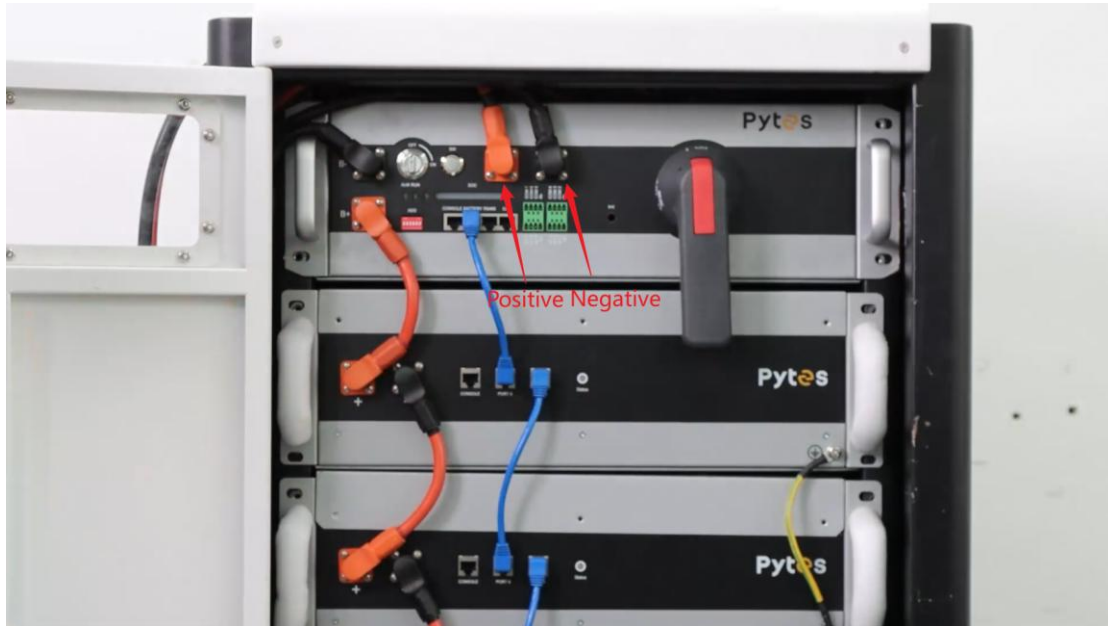
Connect Power Cable

Step 1

Double-check to ensure the battery power switch is in the off position before operation.

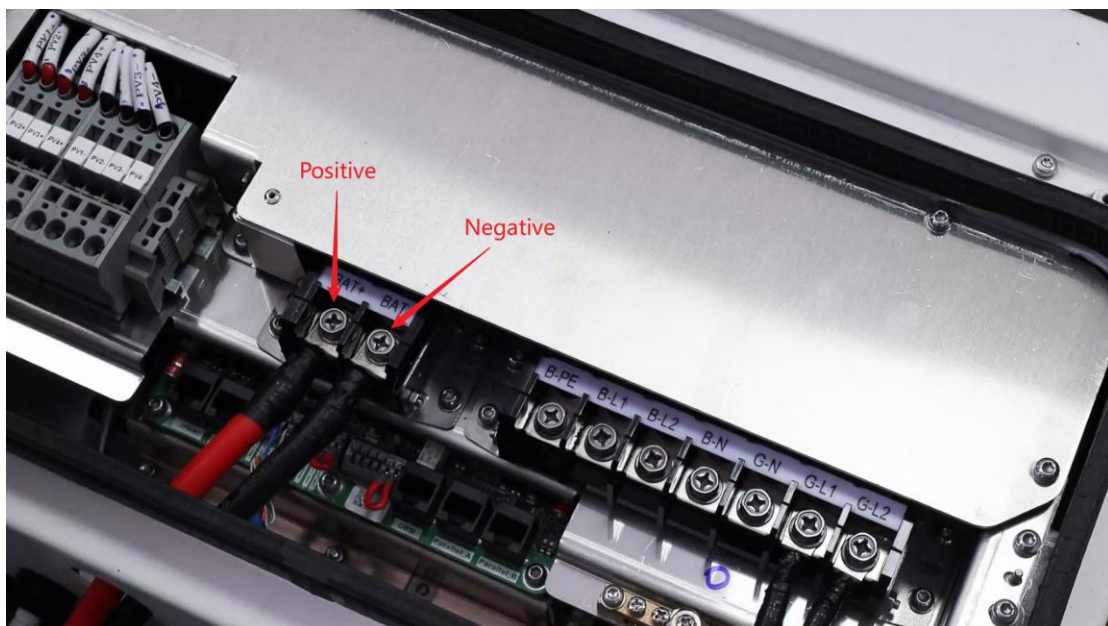
Step 2

Open the cabinet and plug the positive and negative power cables into the battery power terminals.



Step 3

Connect the opposite ends of the positive and negative power cables to the corresponding positive and negative terminals of the inverter.



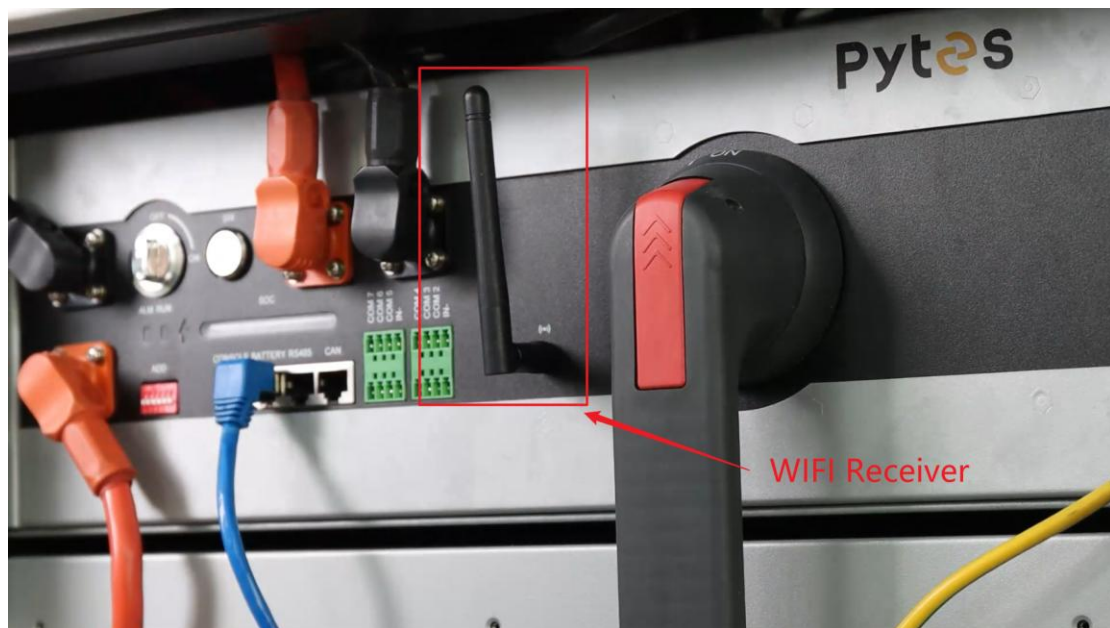
Step 4

Double-check to ensure that the positive terminal of the battery is connected to the positive terminal of the inverter, and the negative terminal of the battery is connected to the negative terminal of the inverter.

Install WIFI Receiver

Step 1

Screw the WIFI receiver in.



Connect Communication Cable

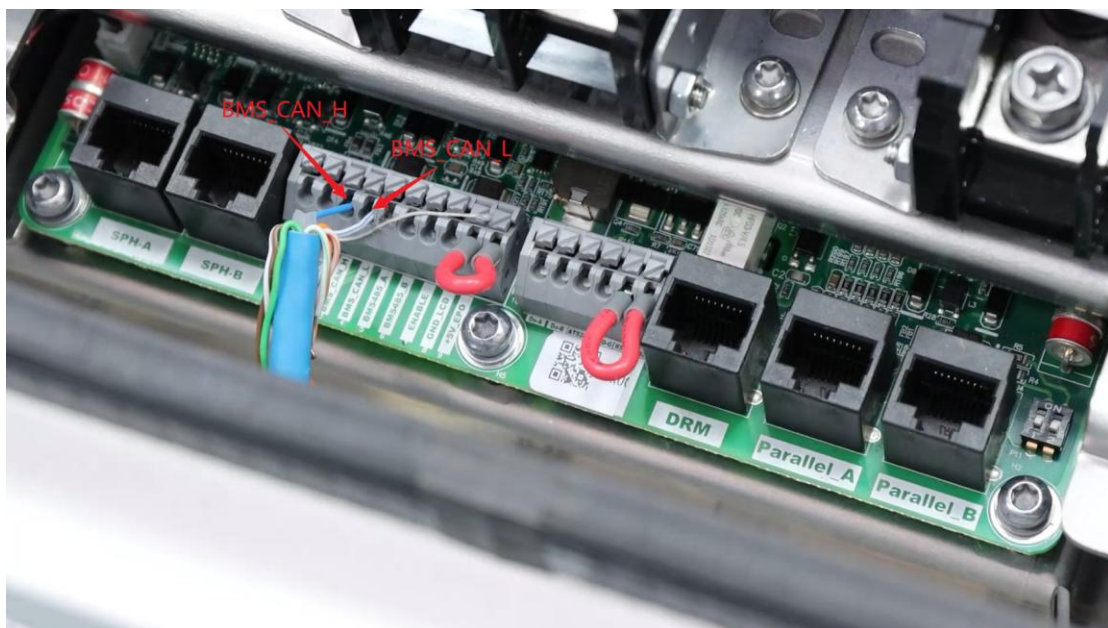
Step 1

Connect one end of the communication cable to the **CAN** port of the battery.



Step 2

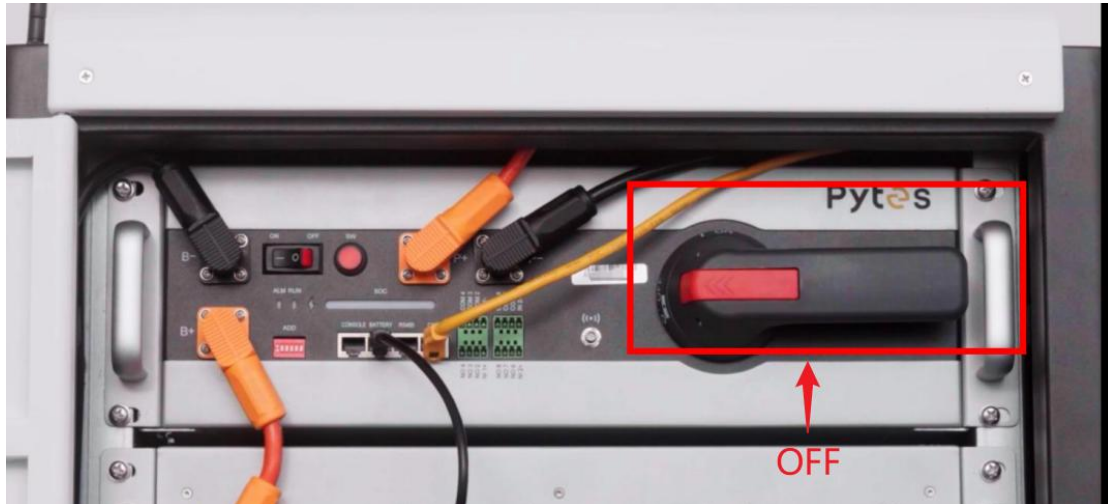
Connect the opposite end of the communication cable to the **BMS_CAN_H** and **BMS_CAN_L** ports of the inverter. (Blue line to BMS_CAN_H and blue-white line to BMS_CAN_L)



Set DIP Switch

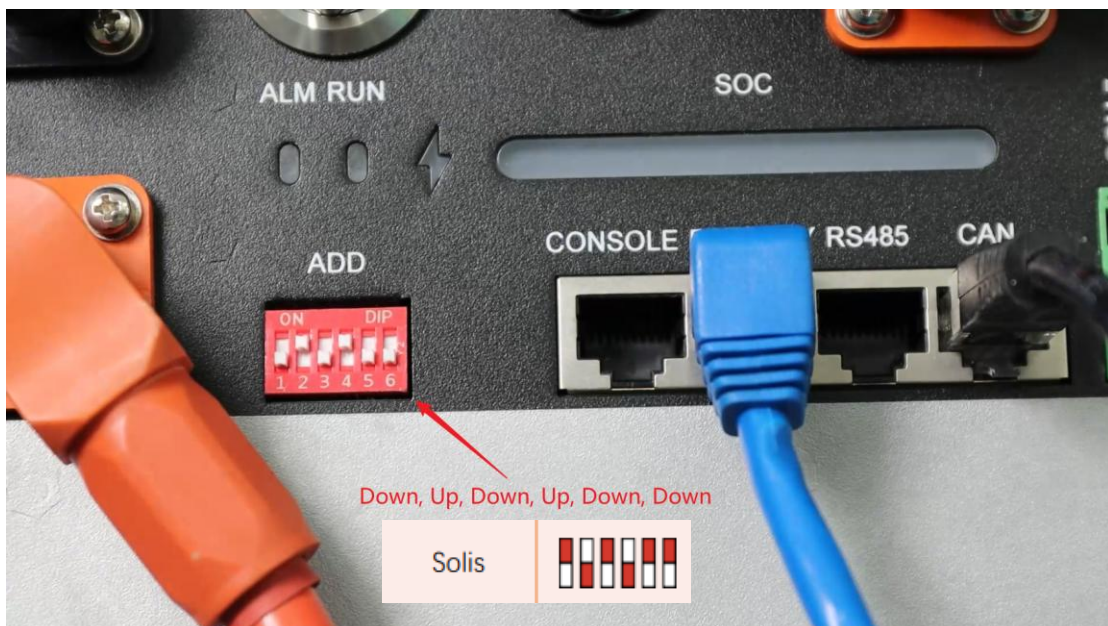
Step 1

Check to ensure that the isolation switch is in off position.



Step 2

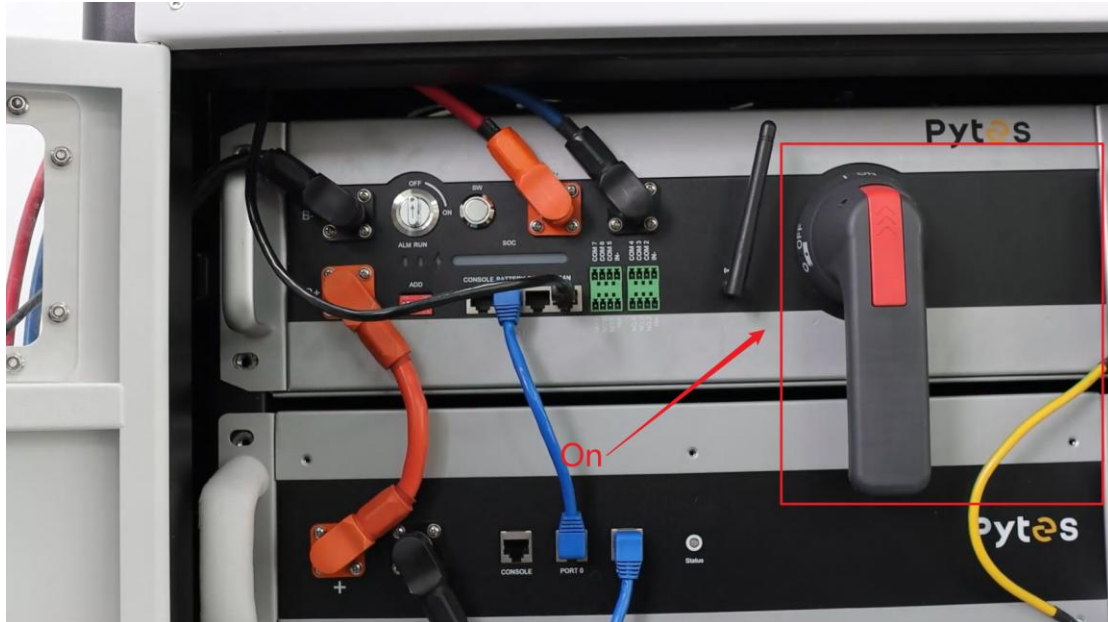
Set the DIP switch to the position as shown in the following pictures.



Start System up

Step 1

Open the isolation switch.



Step 2

Power on the physical switch.



Step 3

Press the SW button for 1 second.



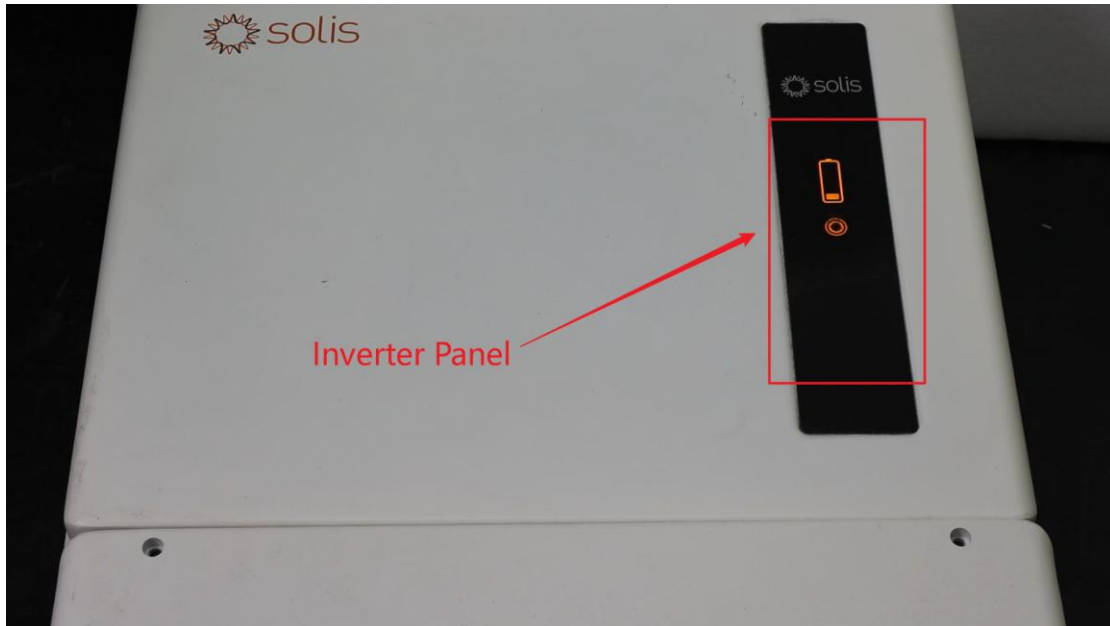
Step 4

Ensure that the indicator is lighting.



Step 5

Ensure that the panel light is on.



Monitor System

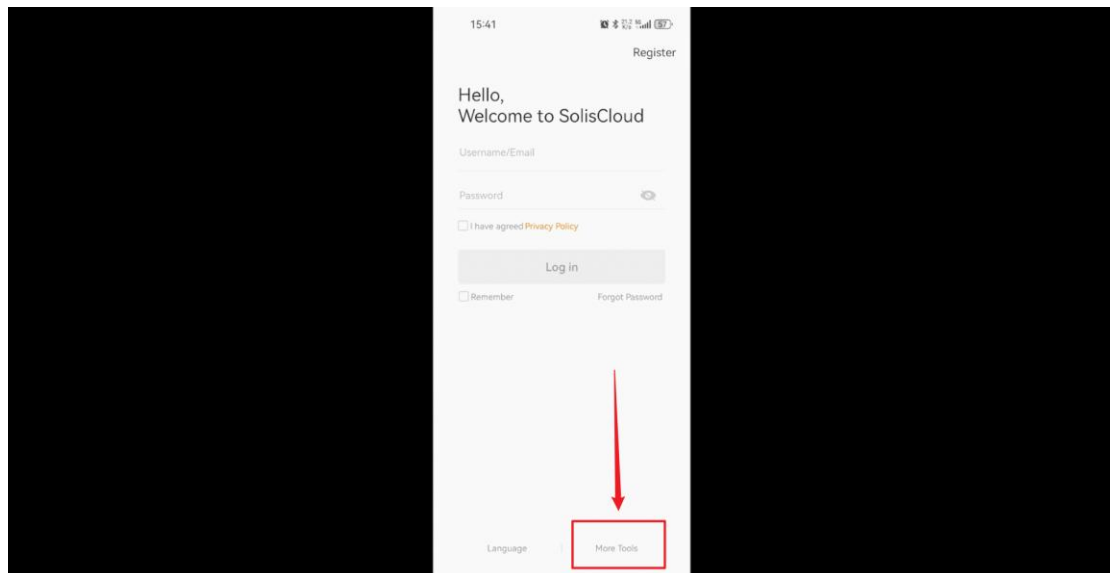
Step 1

Download SolisCloud App from Google Play store or Apple App store.



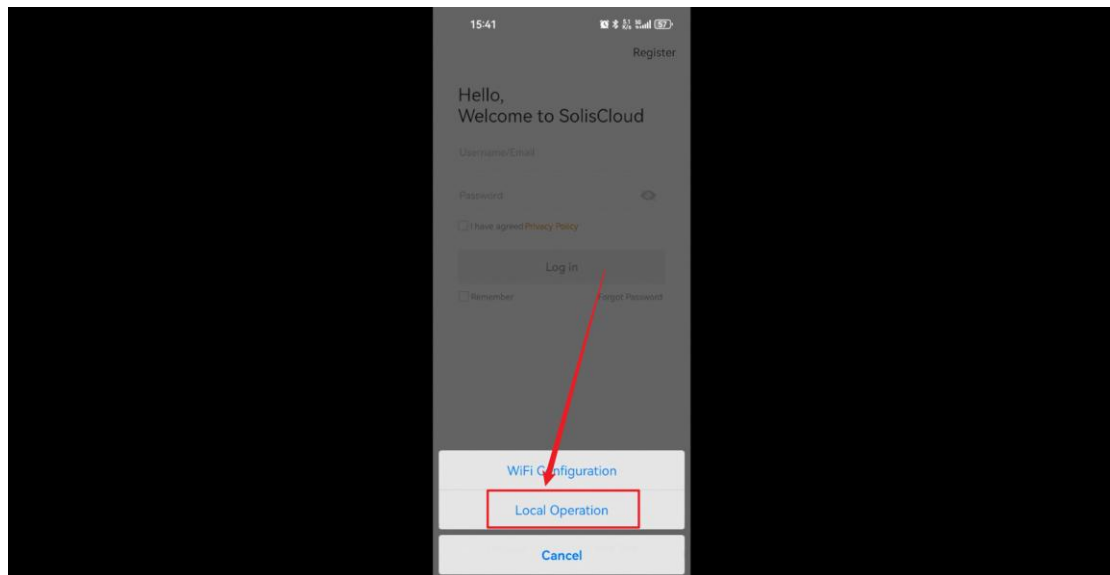
Step 2

Open the App and click More Tools.



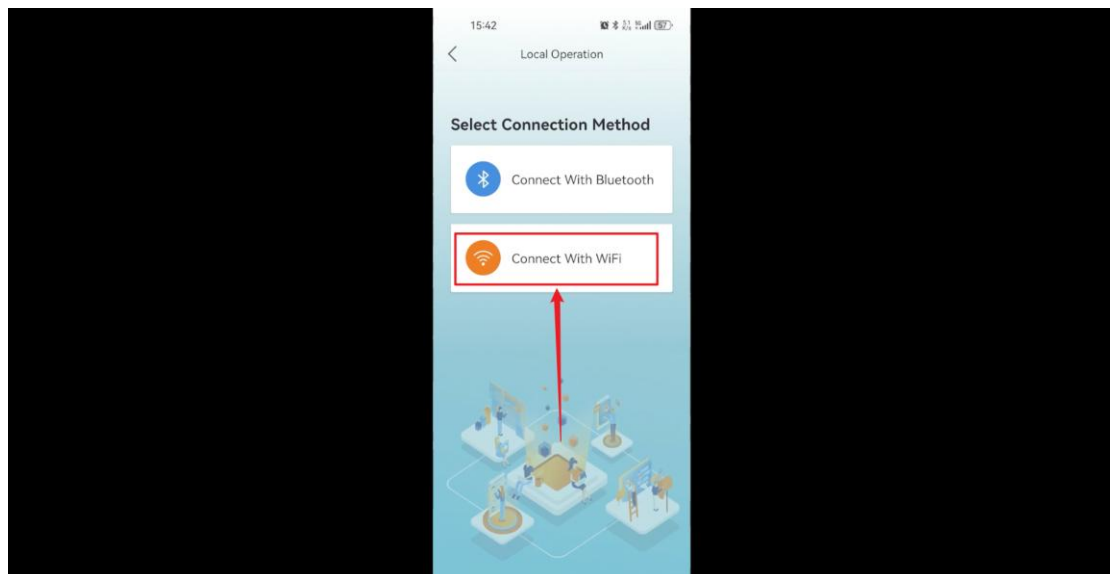
Step 3

Click Local Operation.



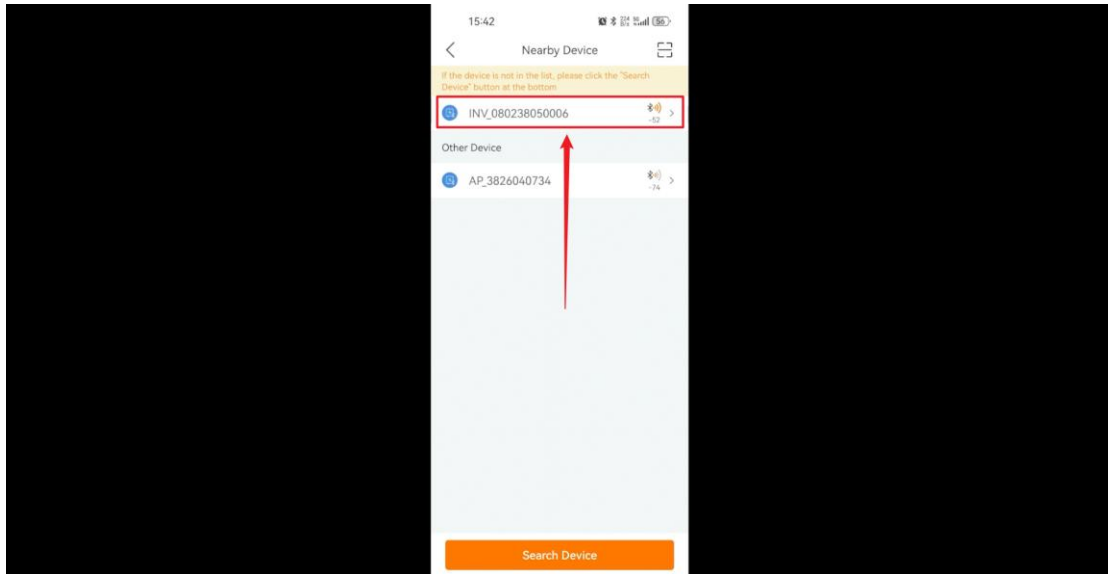
Step 4

Click Connect With WiFi.



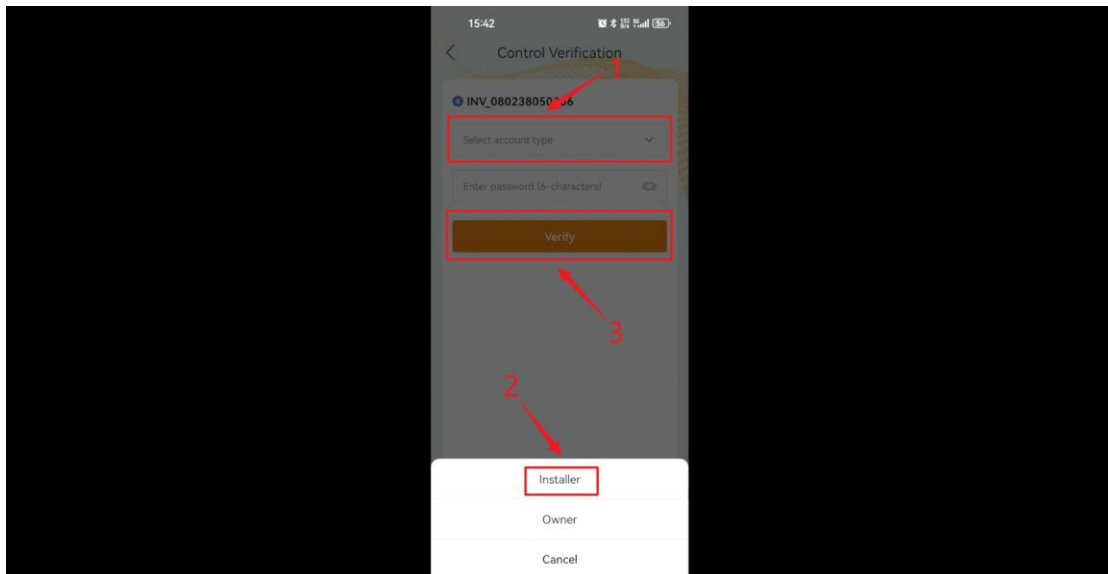
Step 5

Wait for the device to be detected and click it.



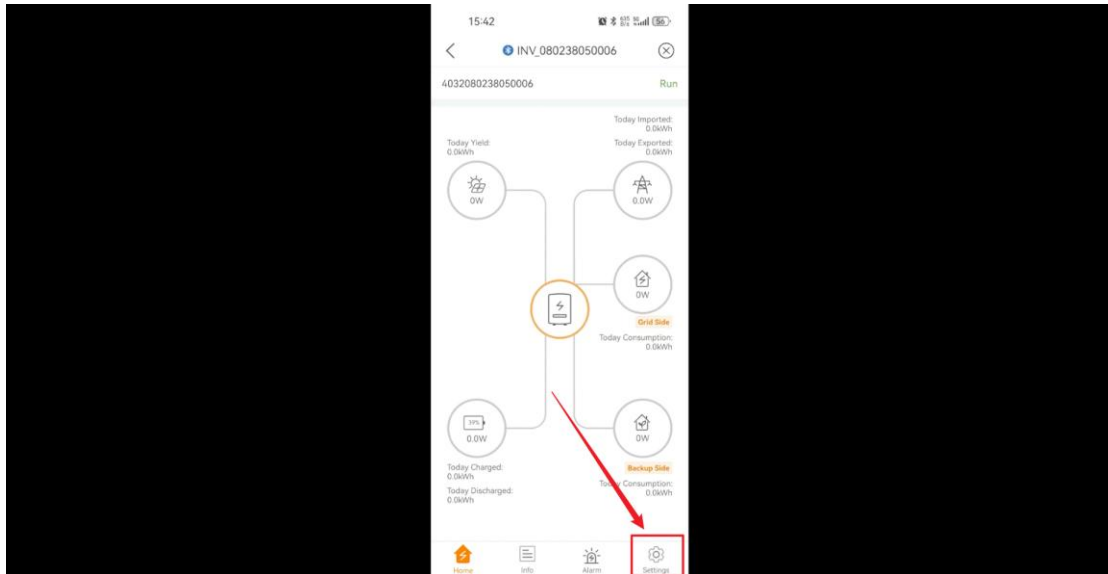
Step 6

Click Select Account Type, choose Installer, and click Verify.



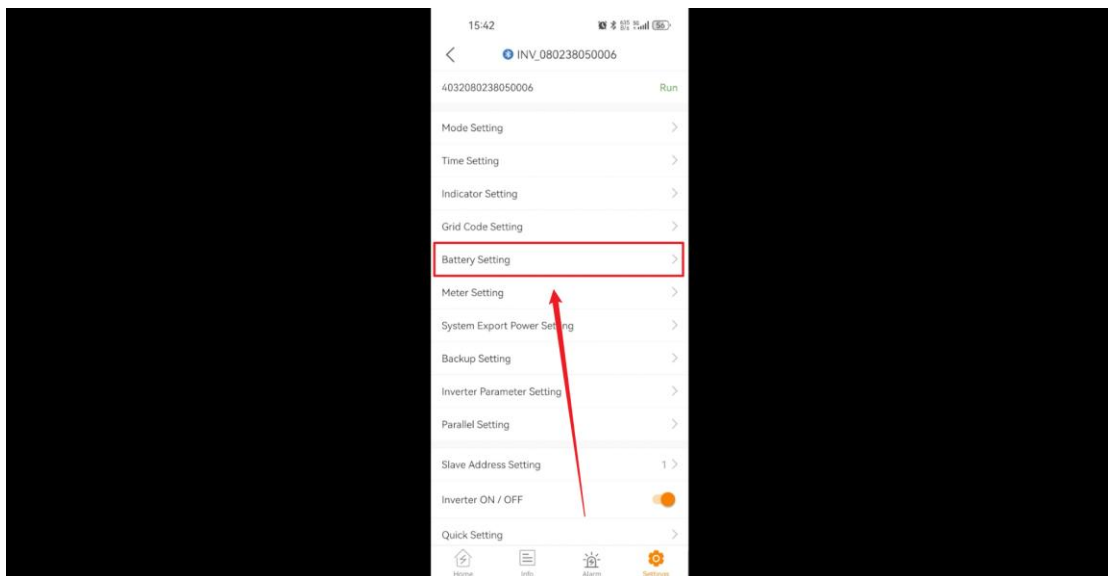
Step 7

Click Settings.



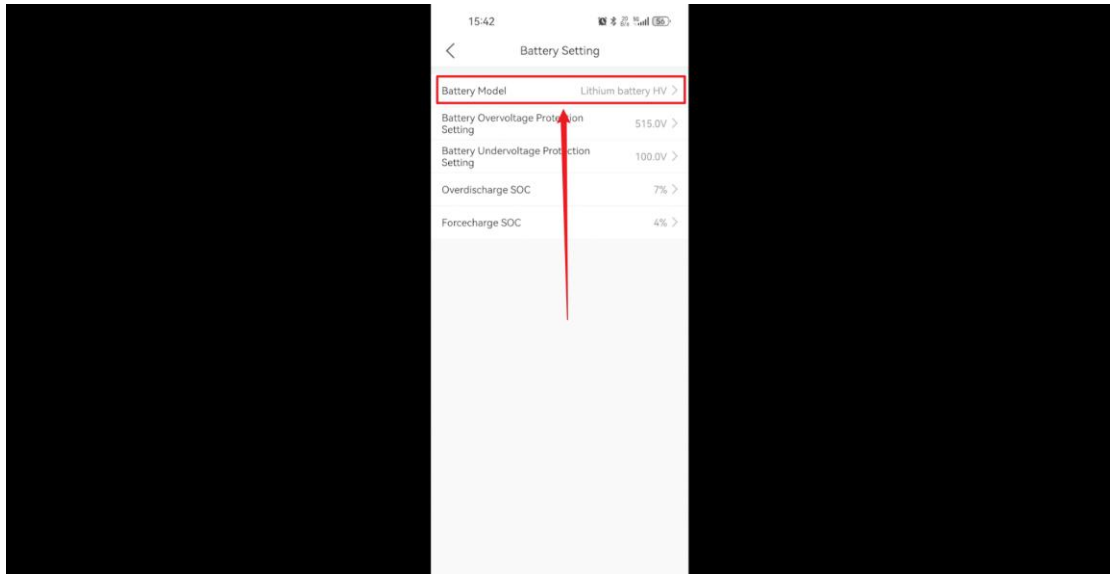
Step 8

Click Battery Setting.



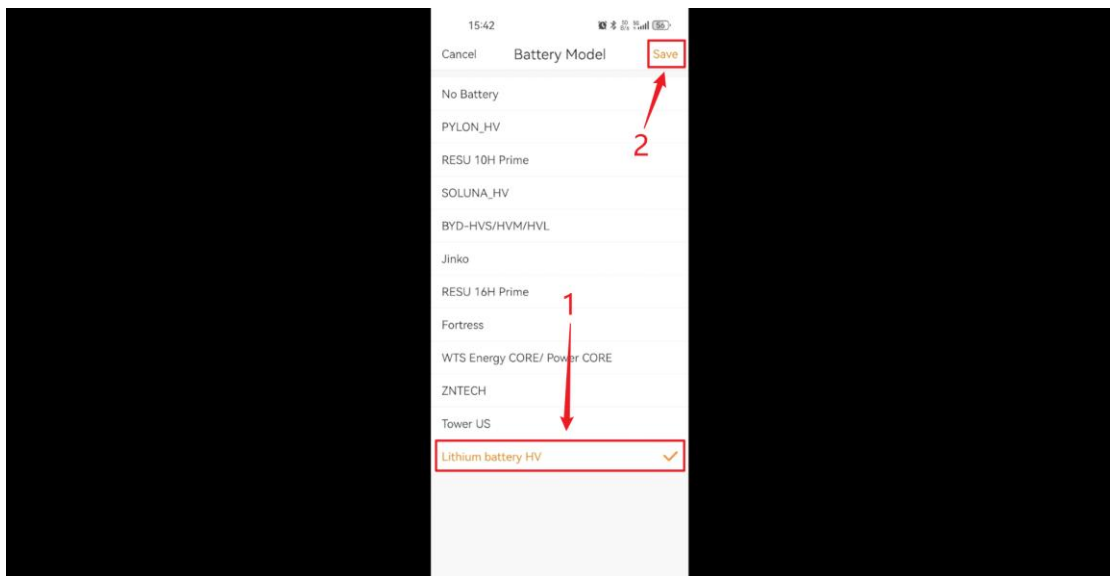
Step 9

Click Battery Model.



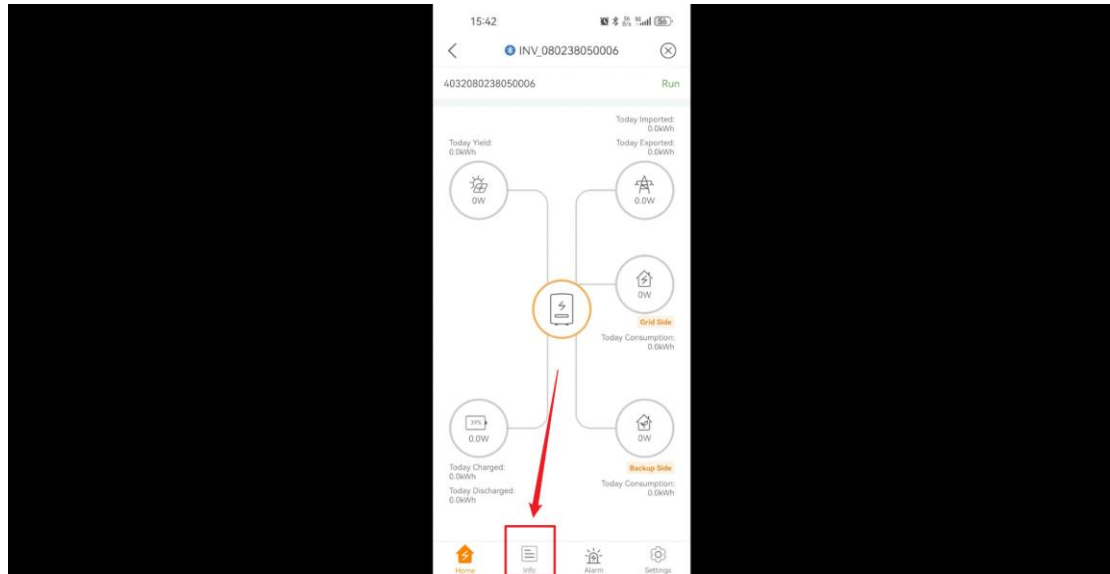
Step 10

Ensure Lithium battery HV is selected and click Save.



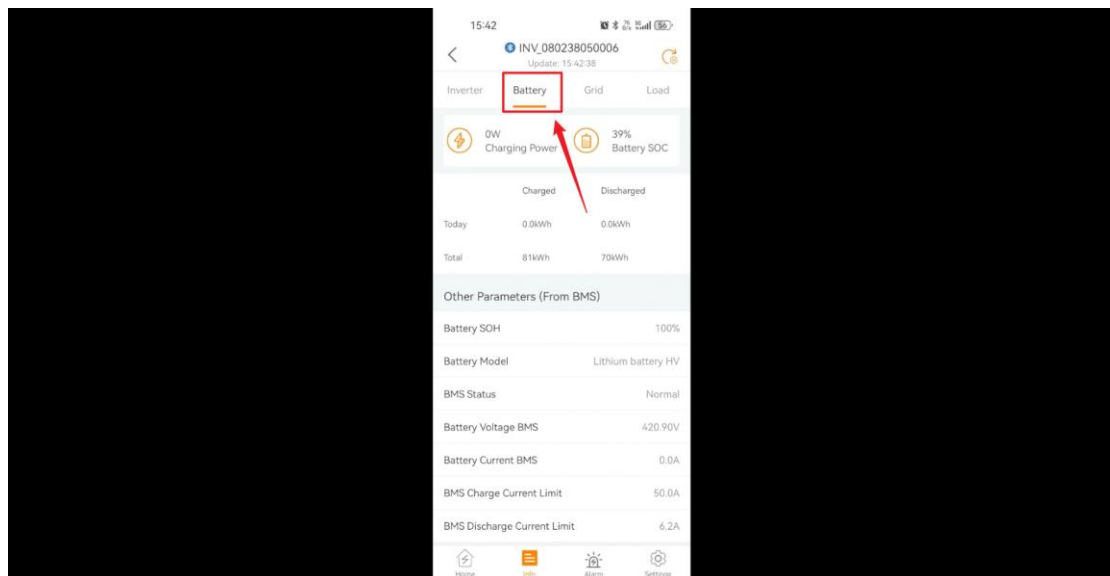
Step 11

Return back to Home page and click Info.



Step 12

Click Battery tab to check battery information.



Step 13

Check system running.

