

5 clusters

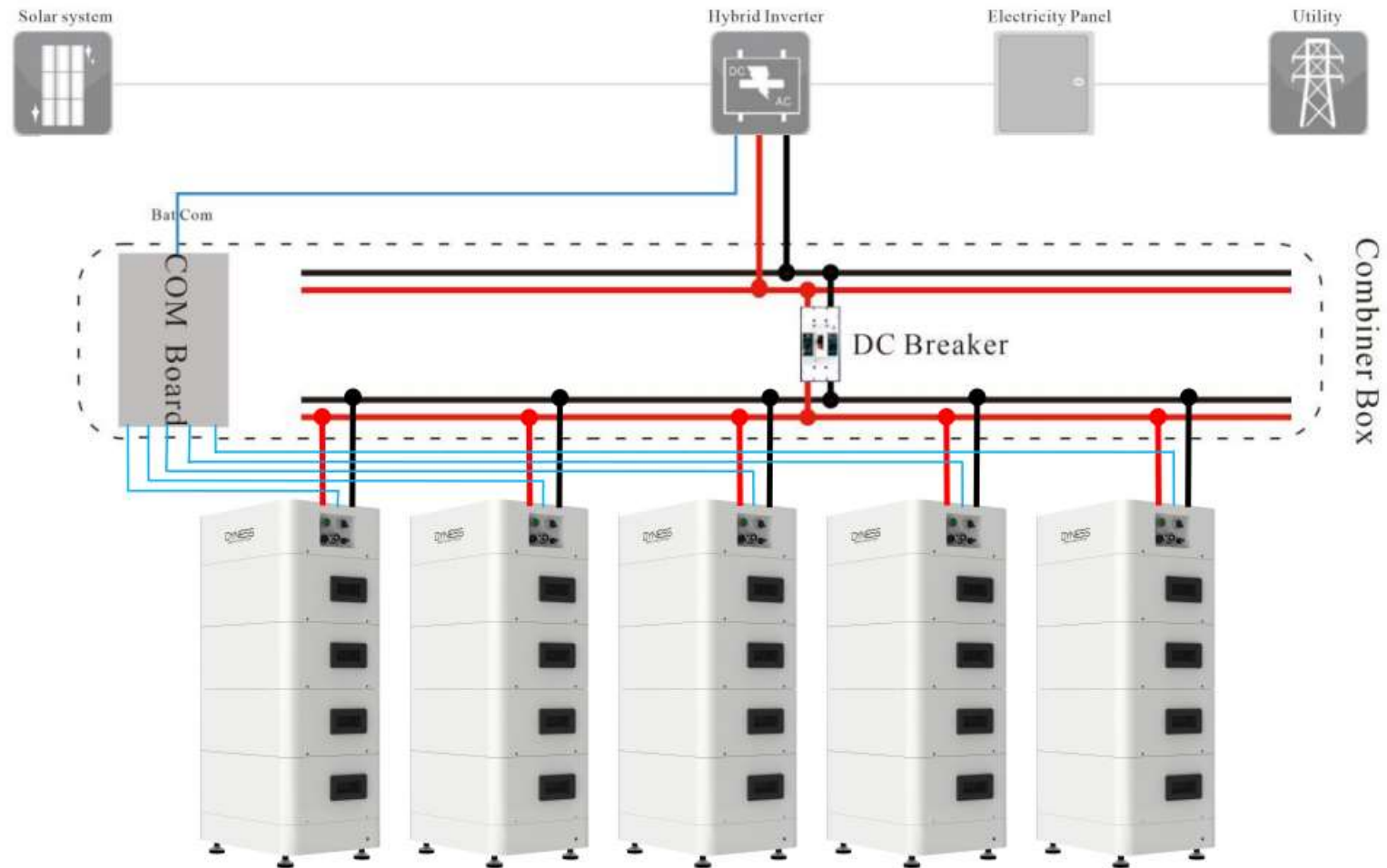
WiFi antenna



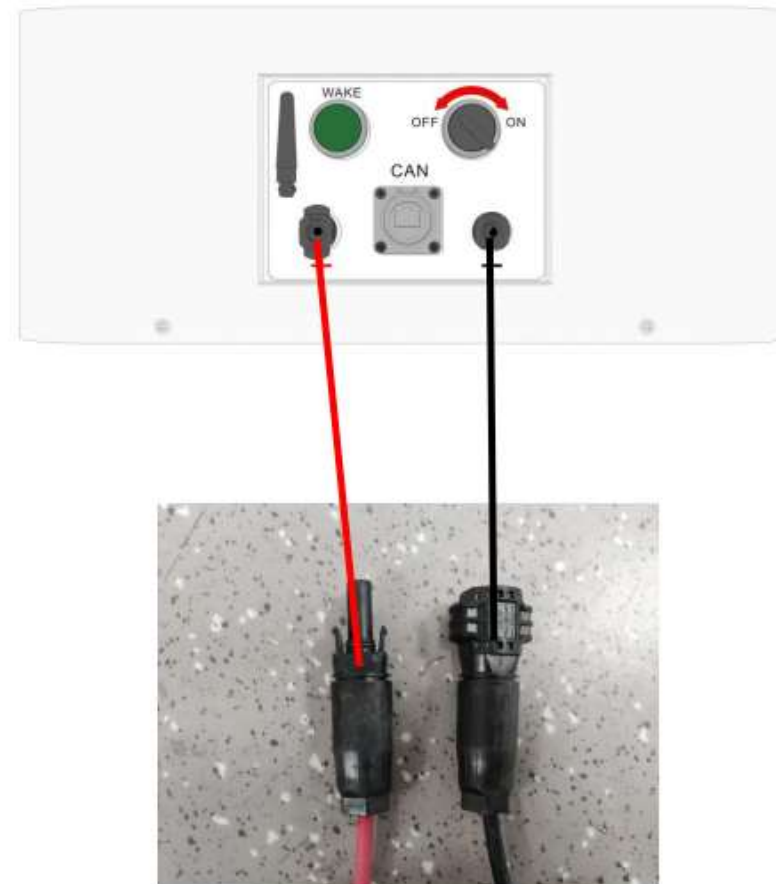
BDU-1.5G + Battery module + Base

Combiner box
DCB-TW

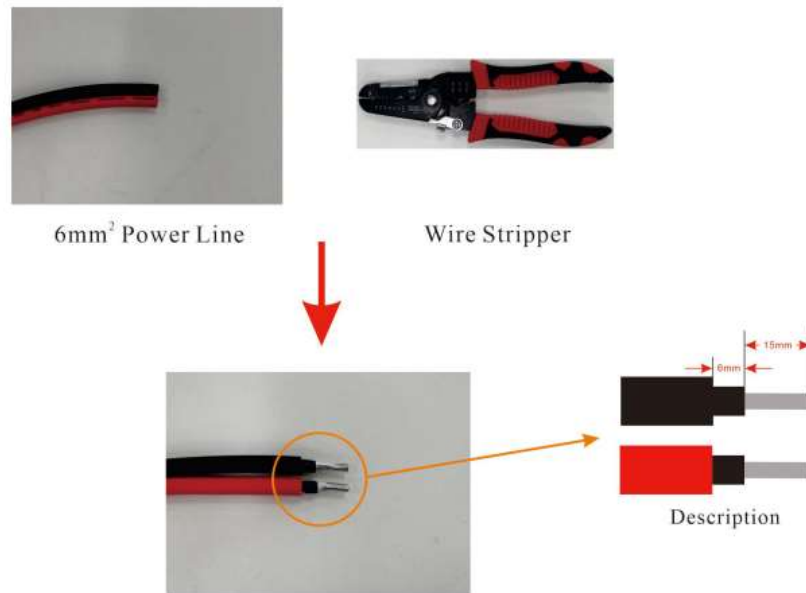
Overall Configuratuon Diagram



1、 Crimp one end of the BDU standard 6mm² power harness to the Phoenix waterproof connector terminal, and connect it to the socket of the BDU-1.5G:

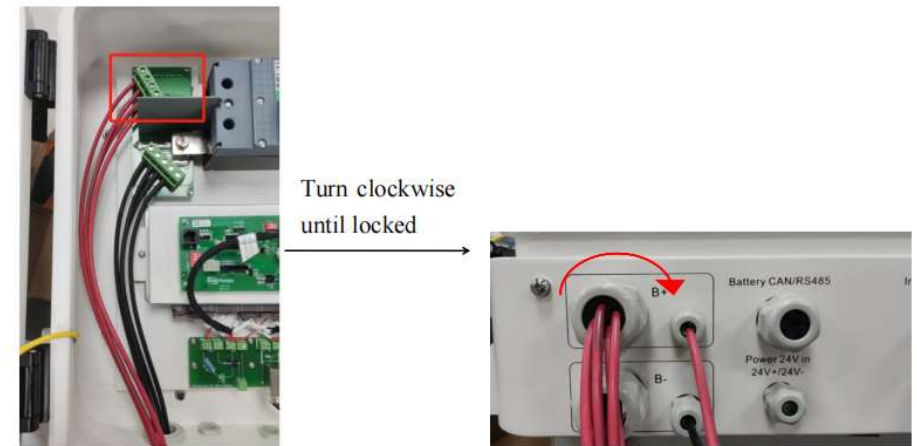
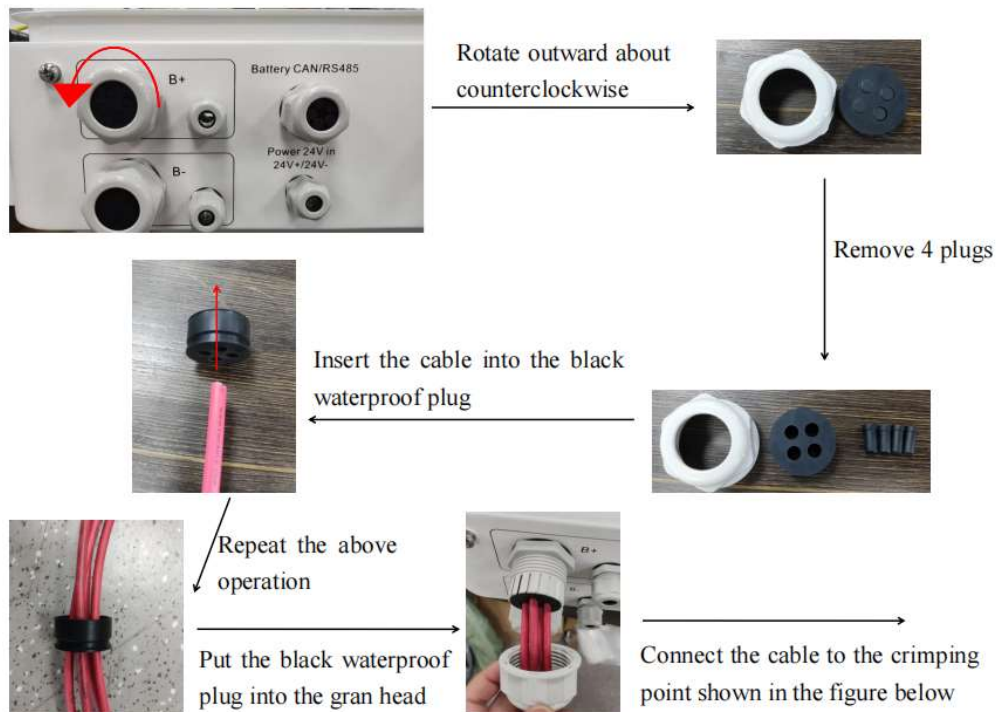


2、 Strip the other end of the 6mm² power cable as shown in the figure below:



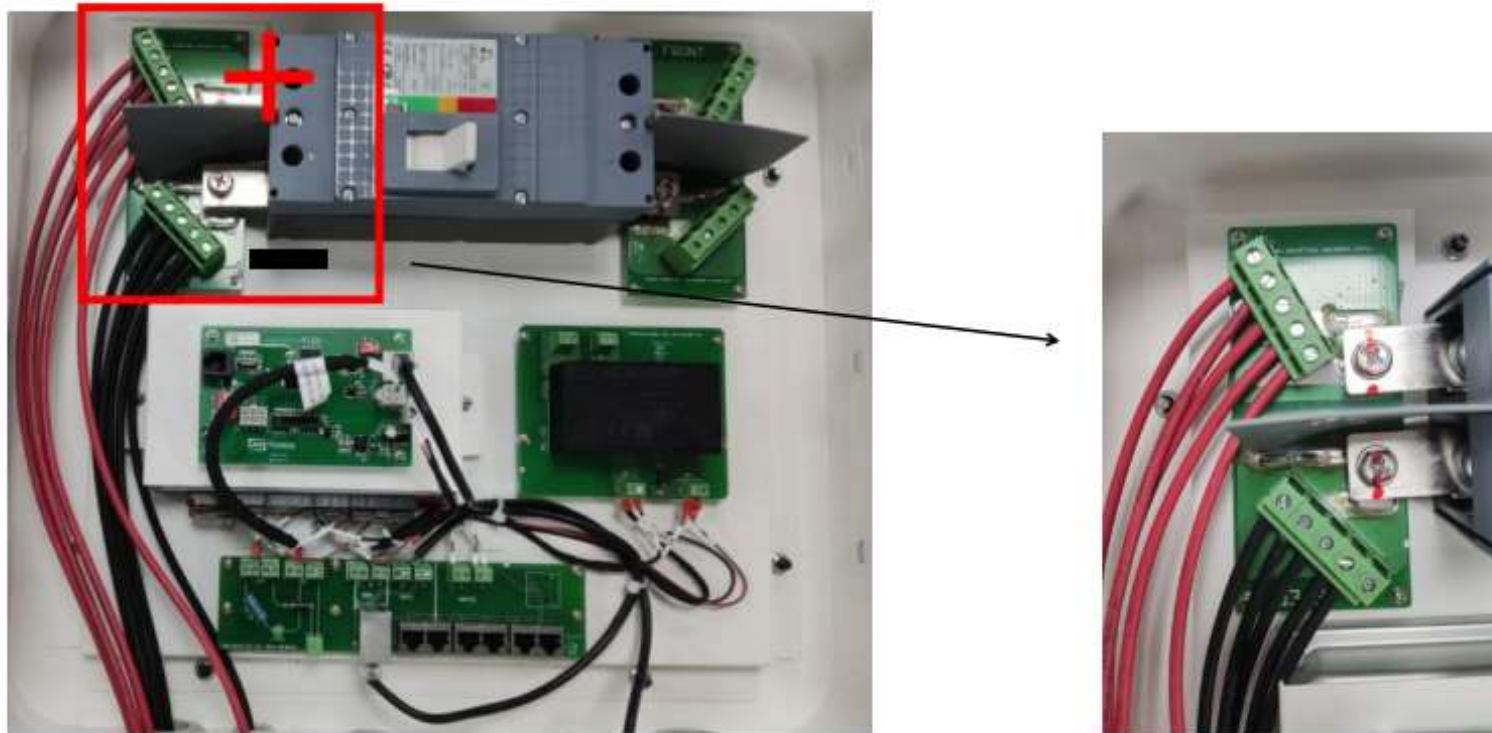
3、 Crimp the stripped 6mm² wire harness to the tube terminal:

4、 Connect the **6mm² power harness** with crimped tubular terminals to the **B+** and **B-** ports of the combiner box according to the following steps:

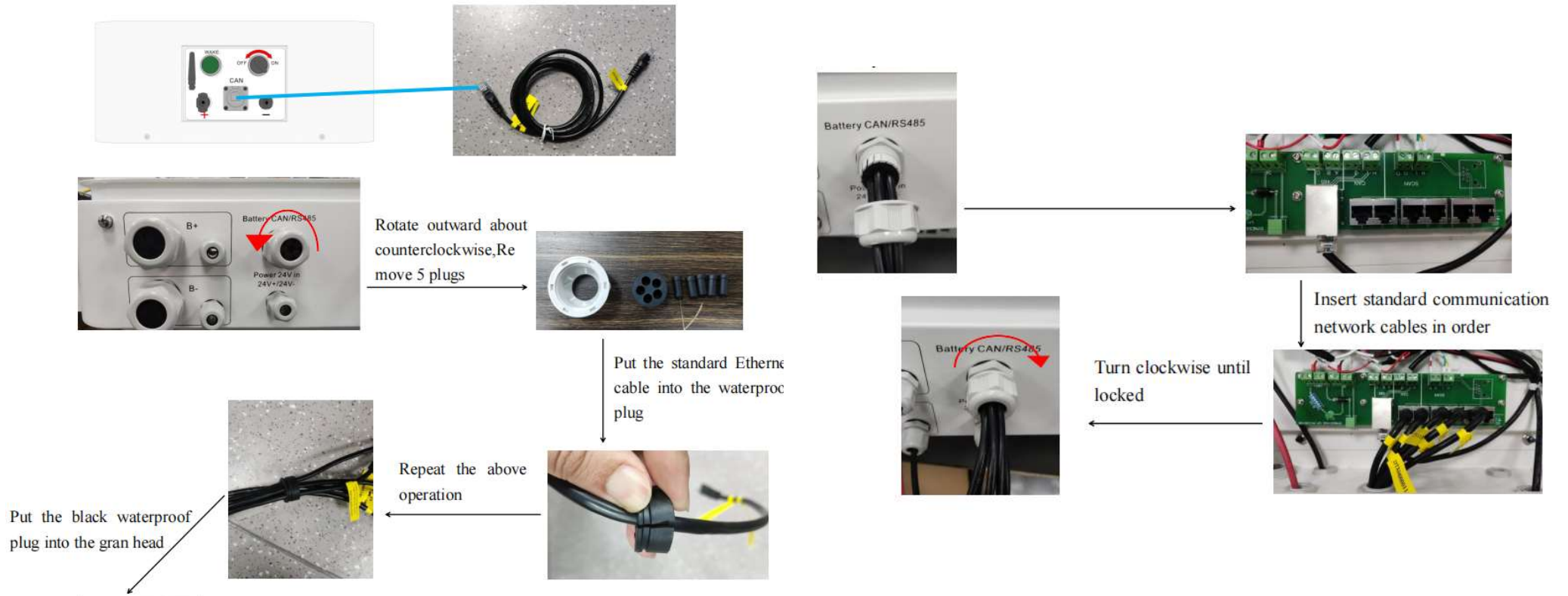


Repeat the above operation for the negative cable

5、 The schematic diagram of the connection of the power line at the battery end of the combiner box is shown below:

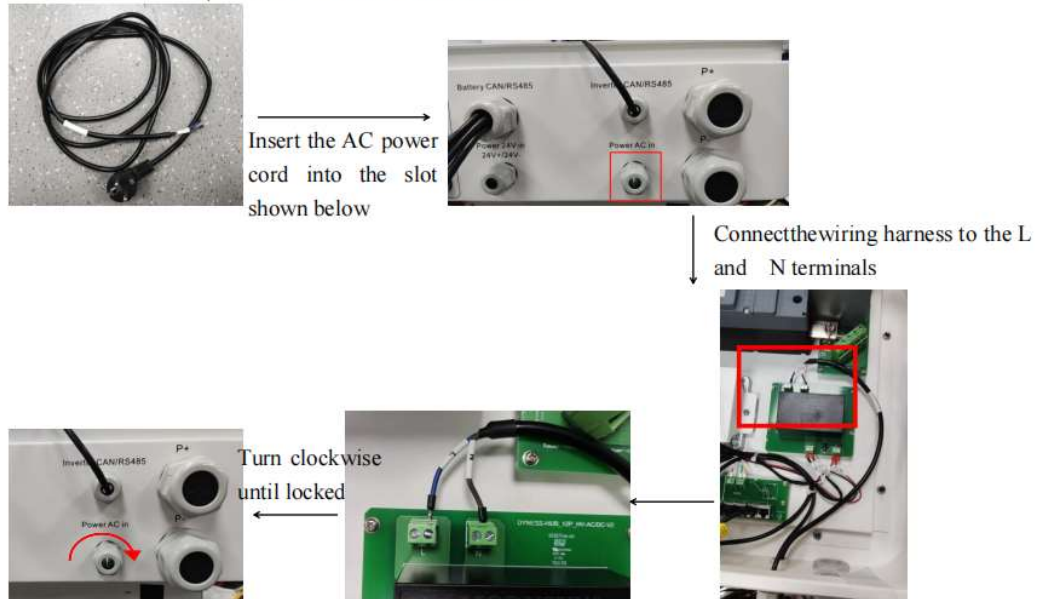


Connecting the communication cable at the battery end of the combiner box

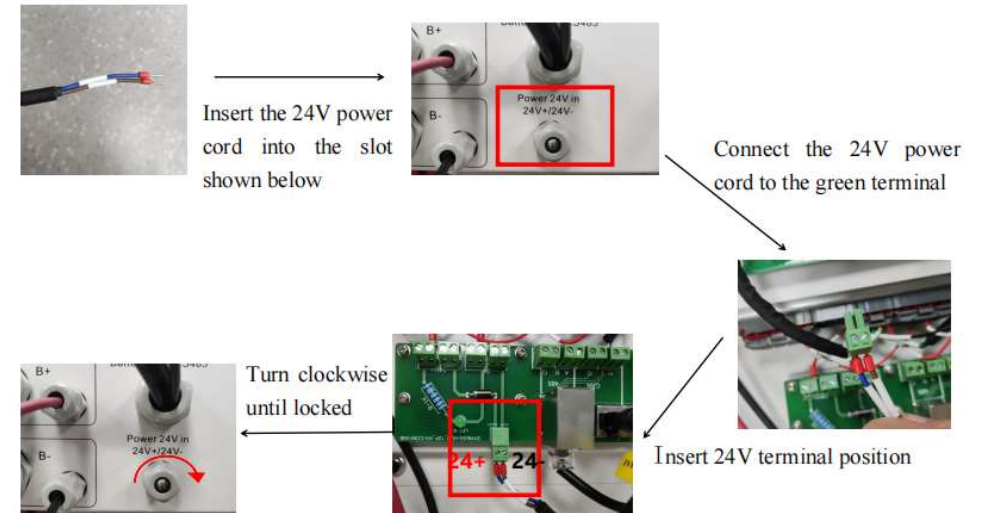


Connect the AC power cord or 24V power supply to the combiner box

1. Connect the AC power cord to the combiner box

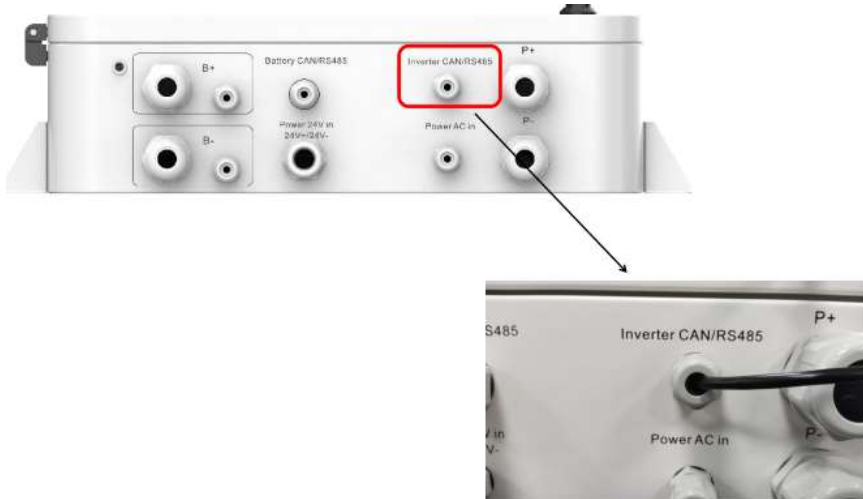


2. Connect the 24V power supply to the combiner box



Only one of the AC power supply and 24V power supply can be used, and the simultaneous use of both is prohibited.

Connection between combiner box and inverter



①

Cables with a cross-sectional area of $\leq 6\text{mm}^2$ are crimped onto the terminal

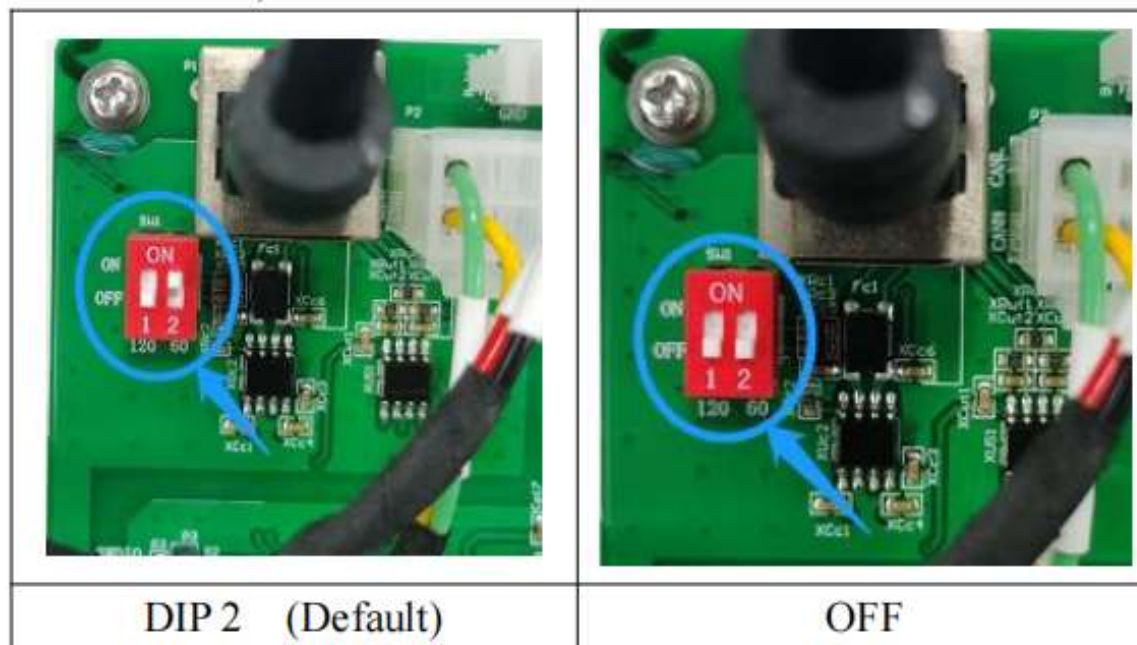


②

Cables larger than 6mm^2 are crimped with OT terminals connected to copper bars



1. When Towers are connected in parallel, it is necessary to turn the DIP in the newly added Tower BDU to the OFF state, see the table below for details:



Parallel System Start-up and Shutdown Sequence

Start-up Sequence:

After the above power wiring harness and communication wiring harness are connected and inspected, push the left air switch of all cluster BDUs to the ON position, and push the DC Breaker in the combiner box from OFF to the ON position;

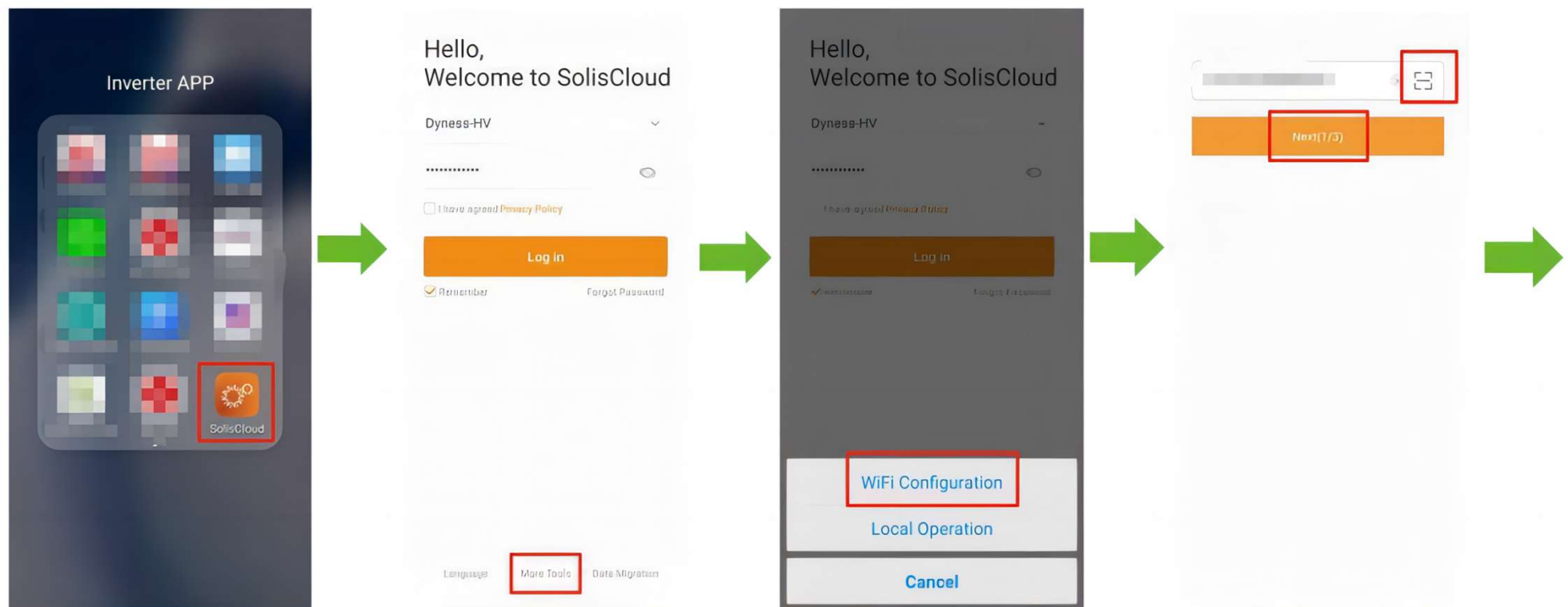
First turn the knob switch of cluster 1 BDU to the ON position, and press and hold the WAKE button for 8~9s to let go; then perform the same operation on the BDUs of cluster 2, cluster 3, cluster 4 and cluster 5. After all cluster BDUs are powered on, the combiner box After 10 seconds, all cluster BDUs will close the relays and output voltage externally.

Shutdown Sequence:

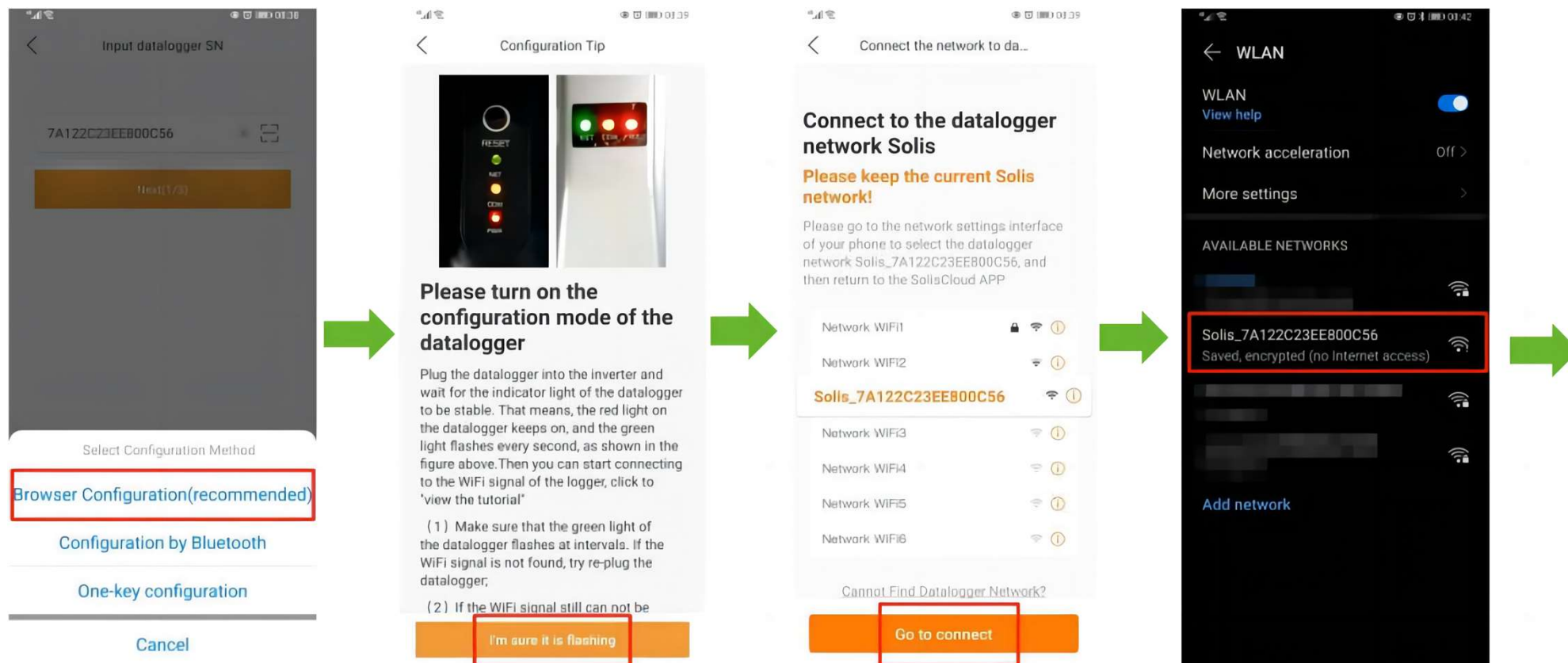
First disconnect the AC power of the combiner box, and after about 7-8s, the BDU cuts off the output voltage; then turn the BDU knob switches of cluster 1, cluster 2, cluster 3, cluster 4 and cluster 5 to the OFF position. If the battery is not used for a long time, you need to turn the switch on the left side of the BDU to the OFF position.

Inverter Comissioning

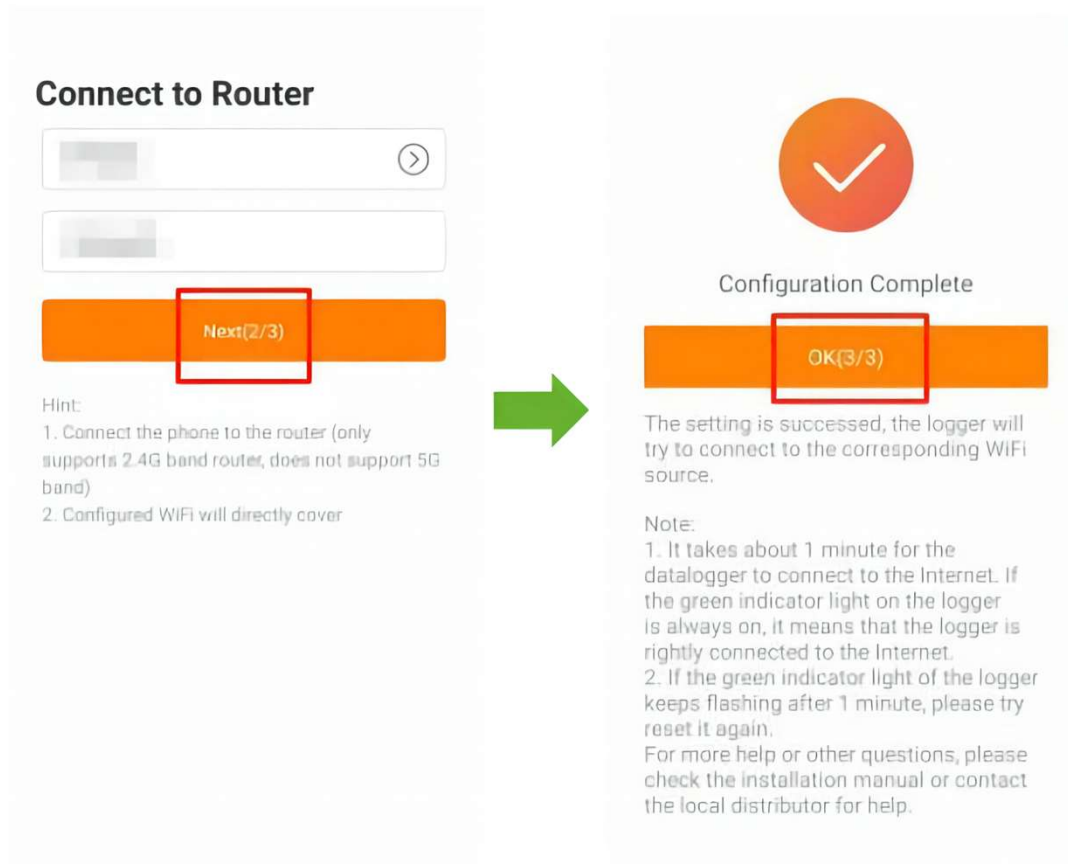
After the inverter is powered on, log in to the app "SolisCloud" to configure the network of the inverter.
The detailed operation is as follows:



Inveter Comissioning

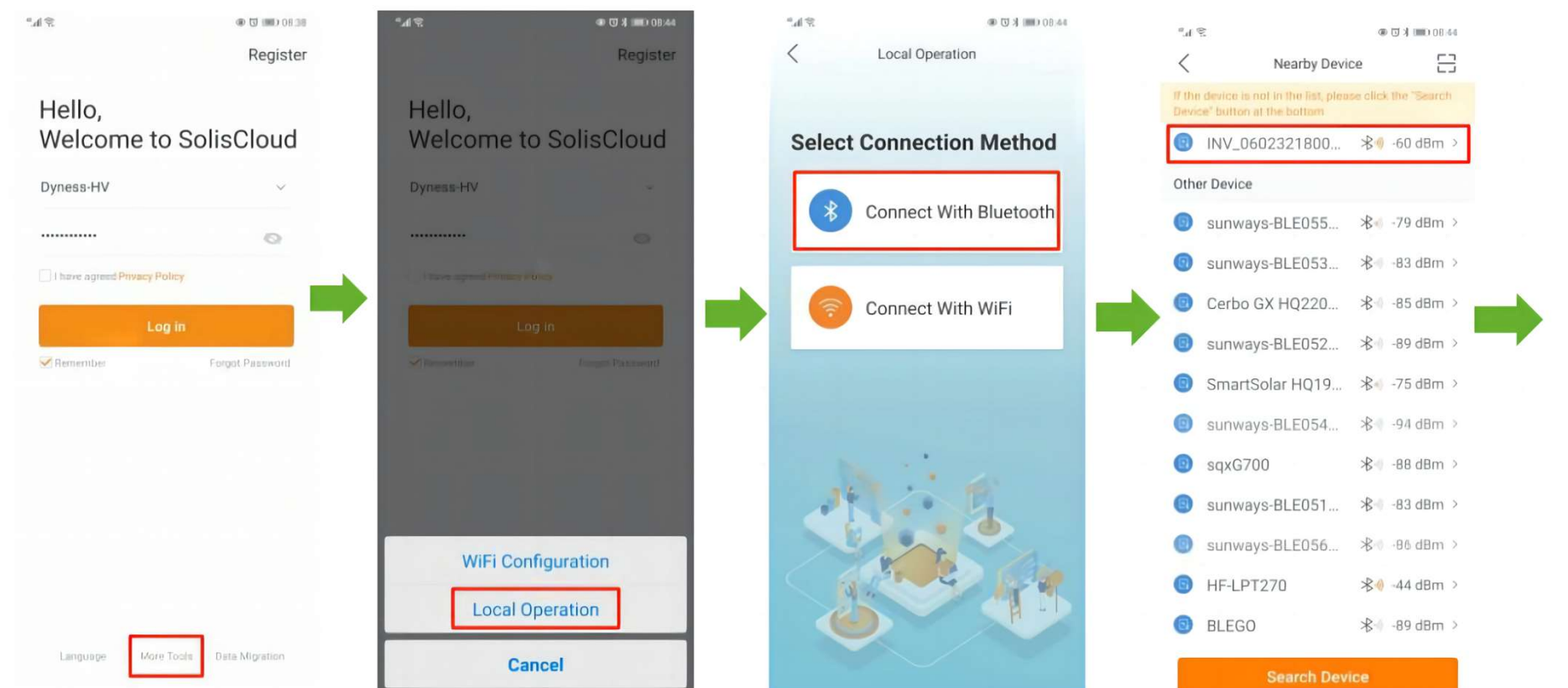


Inveter Comissioning

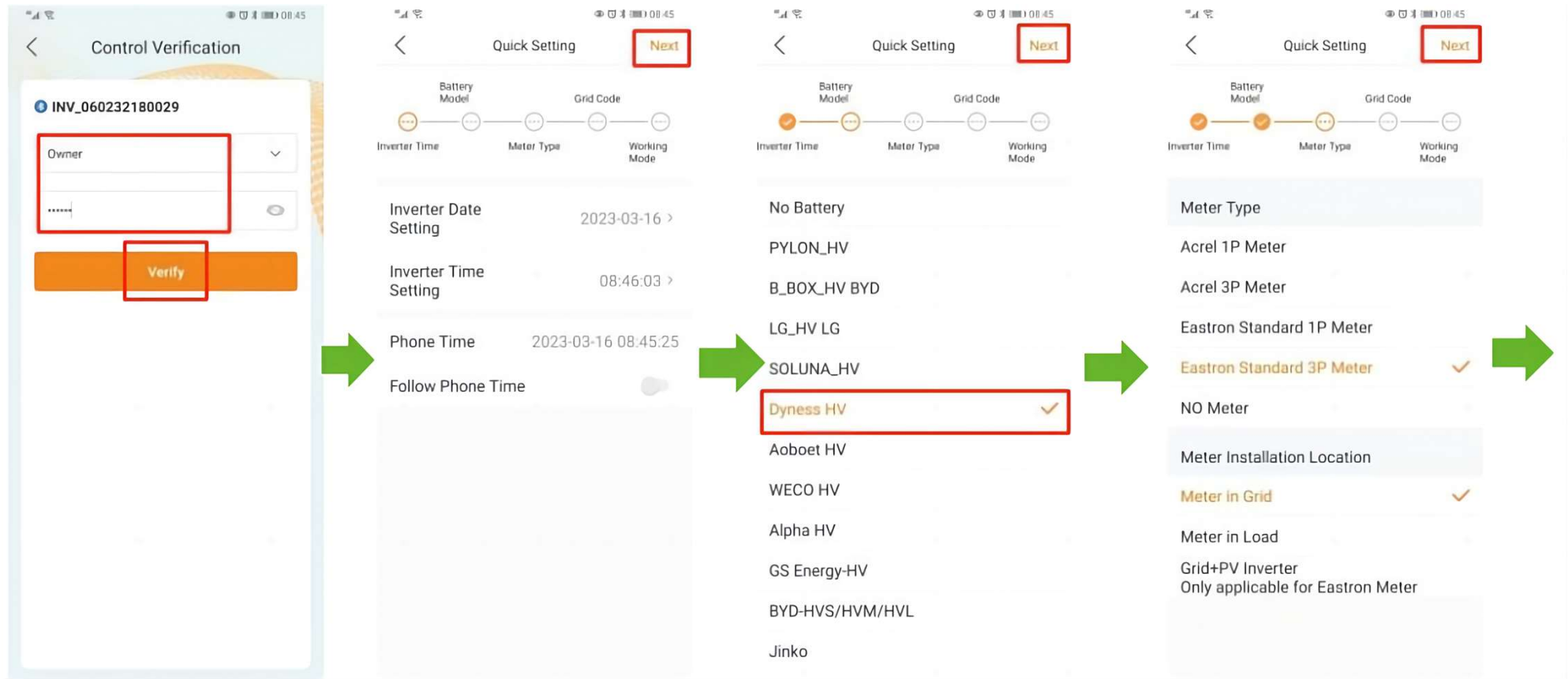


Inverter Comissioning

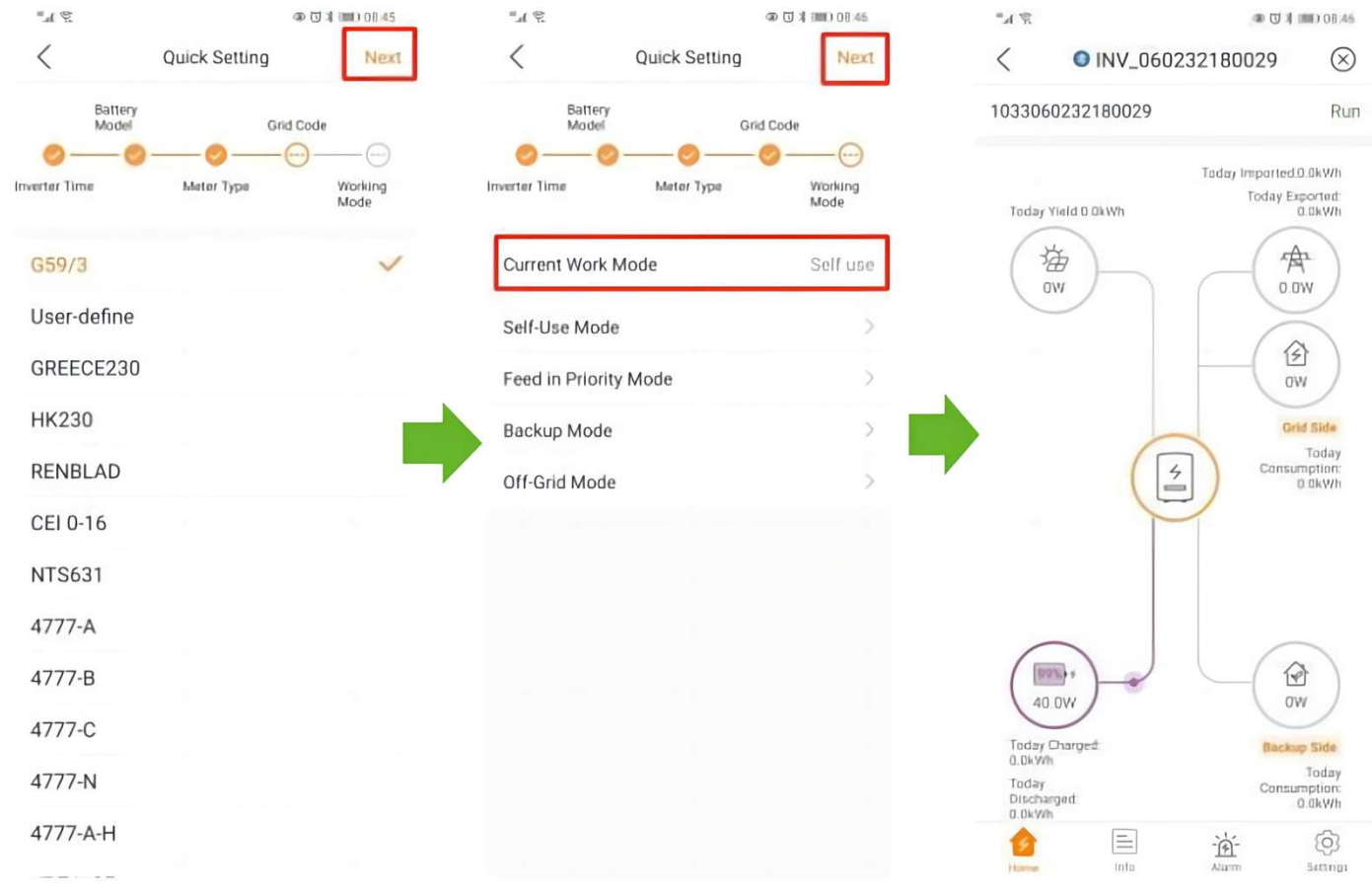
After the inverter network configuration is completed, it is necessary to set the time, battery model, meter type, etc. of the inverter. The detailed operation is as follows:



Inverter Commissioning



Inveter Comissioning



Inverter Commissioning

After the communication between the battery and the inverter is normal. You can query the power grid data after the power station is created in the app. The detailed operation is as follows:

AC Info			
	Voltage (V)	Current (A)	Frequency (Hz)
U	225.7	0	55.13
V	227.8	0	55.13
W	226	0	55.13

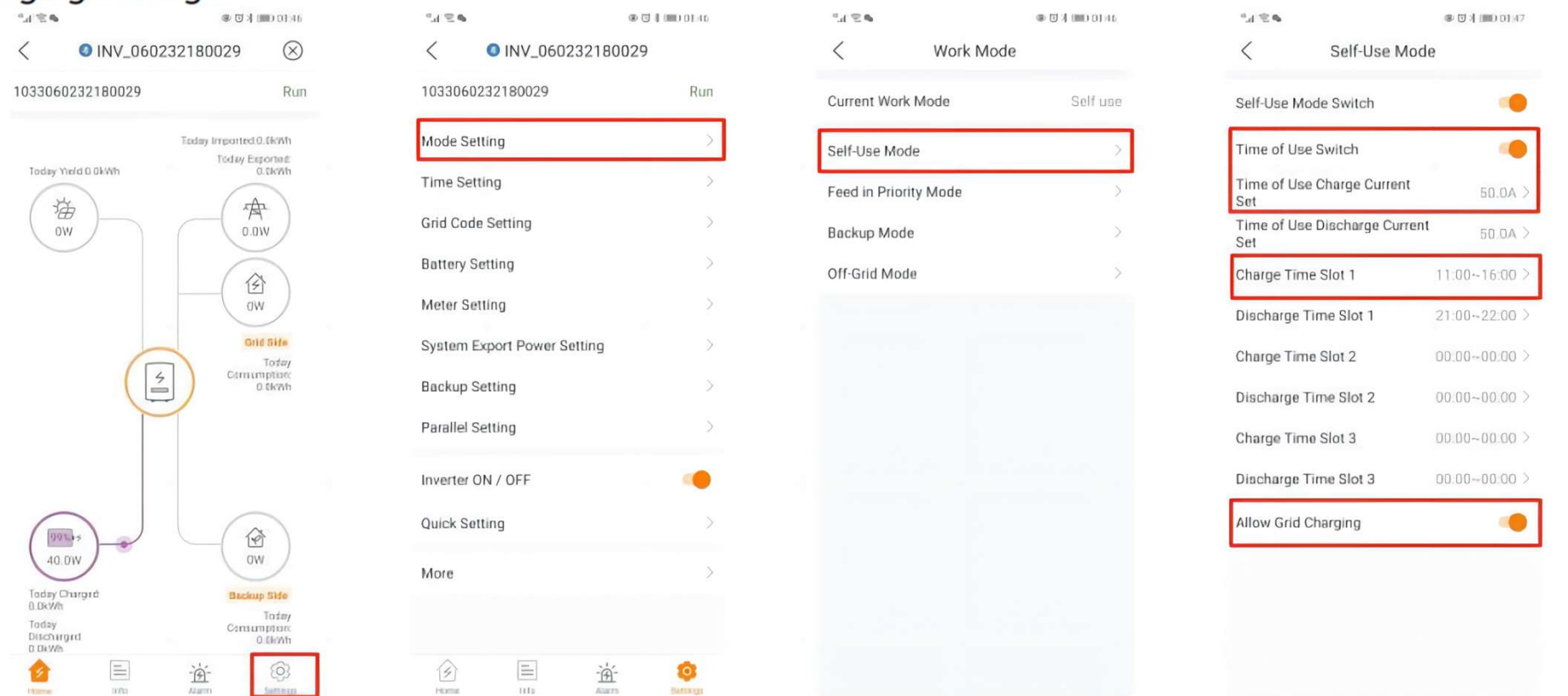
Inverter Info	
Model	3306
National Standard	G59/3
Version	020002-000000
Full Load Hours	0 h
Warranty Period	—

Inveter Comissioning

In the app setting interface, select the self-use mode and set the charging and discharging time respectively.

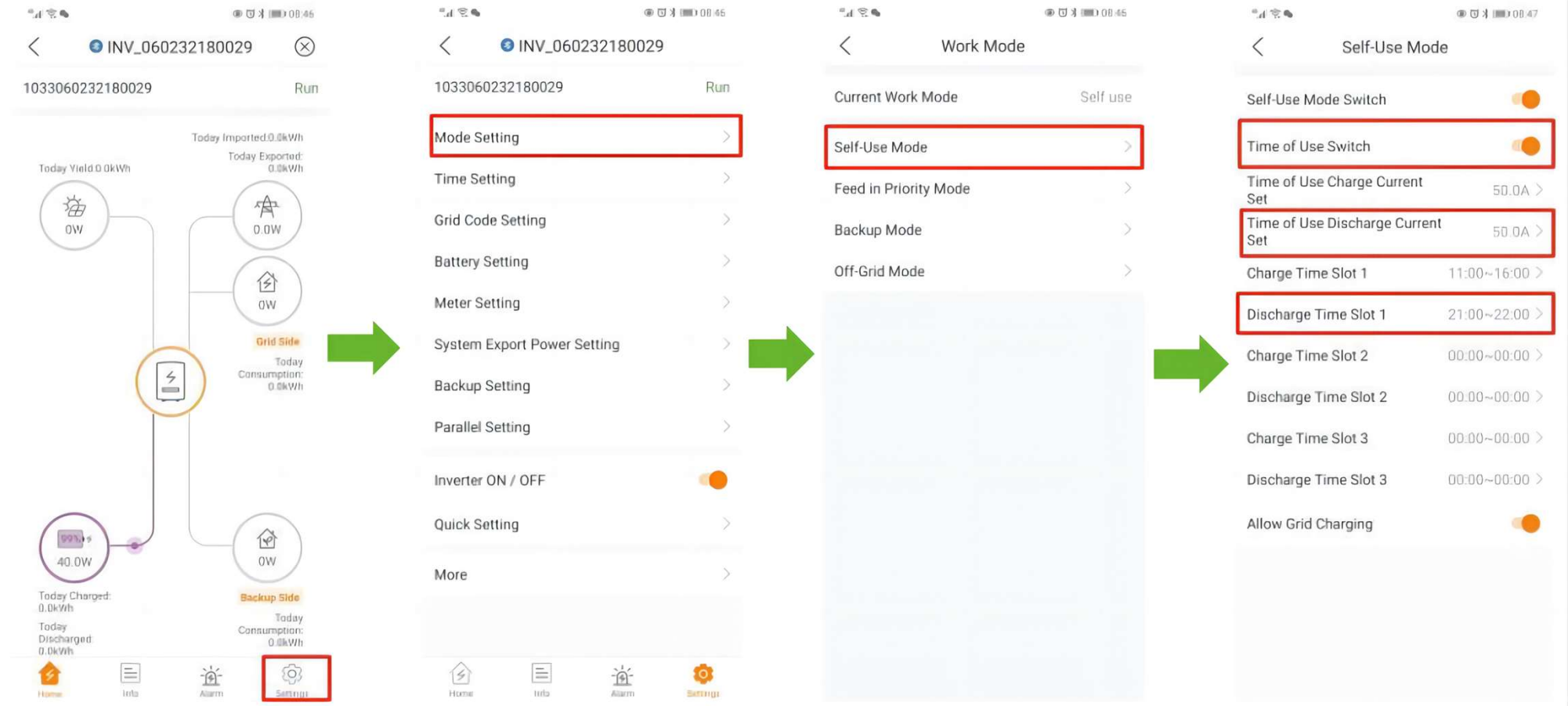
The detailed operation is as follows:

Charging settings:



Inveter Comissioning

Discharging settings:



Inverter Comissioning

Off-Grid Mode Settings:

- ① When the inverter is disconnected from the grid, it will automatically enter the off-grid mode, and the load can be connected to discharge.
- ② Set offline mode in app:

