

Inverter Operation Guide

Afore-HL2012-01-1-6KW



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Scenario

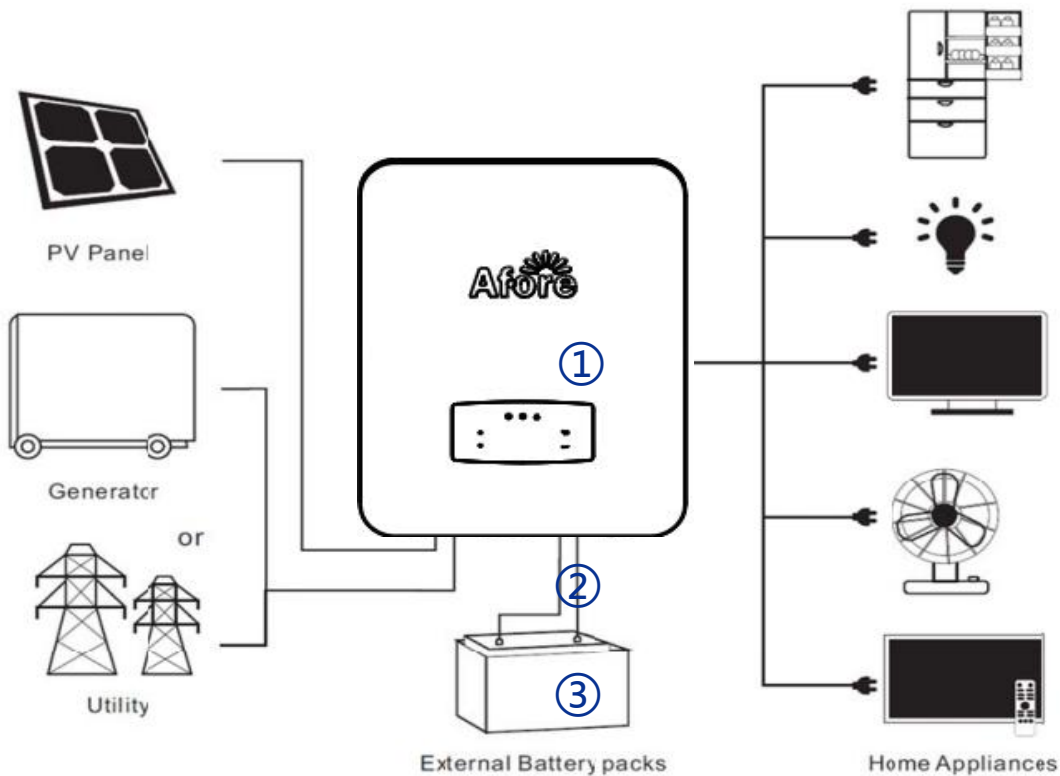
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Connection

03

Configuration

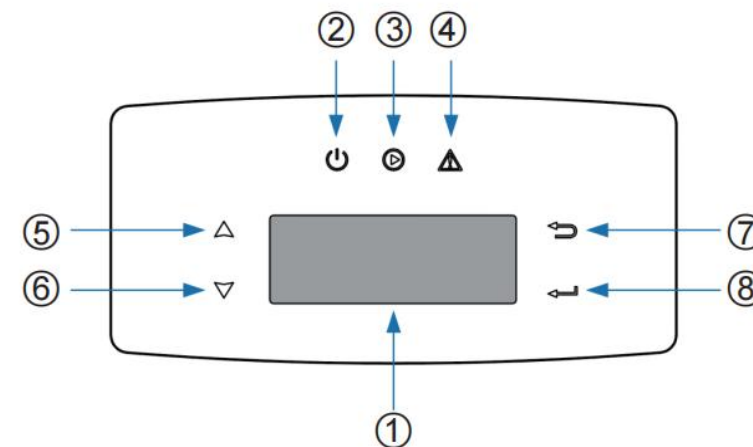
Simple home storage scenario



Key elements

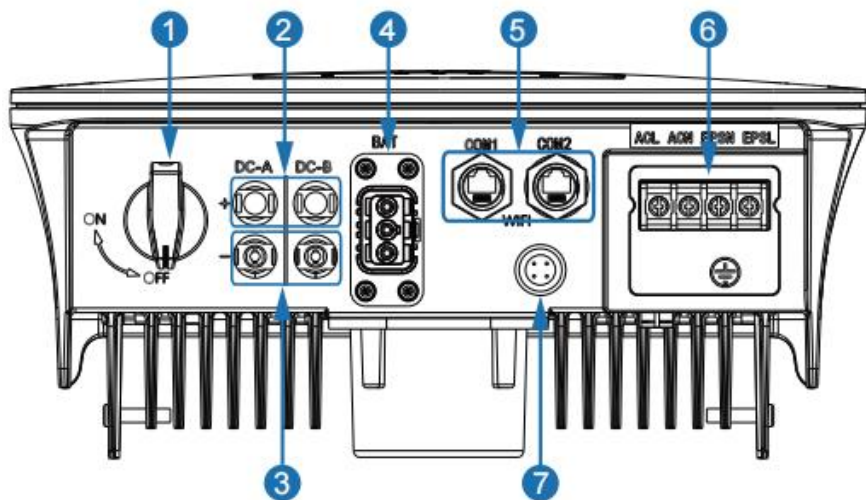
- ① **Inverter** : Afore-HL2012-01-1-6KW
- ② **Interconnection cable**: Customized communication cable
- ③ **Battery**: The Li-ion Battery Pack composed of 16 strings of cells

PCS Control Panel



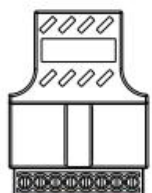
No.	illustrate	No.	illustrate
1	LCD display	5	Page up
2	Power indicator	6	page down
3	Status LED	7	Return key
4	Fault indicator	8	Confirm key

PCS Interfaces



No.	Function description
1	DCswitch
2	DC input +
3	DC output -
4	Battery pack inlet
5	RS485/CANCommunication interface
6	AC input/EPN interface
7	Monitor the module interface

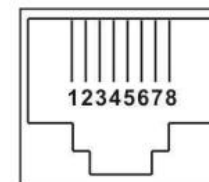
Connection Between PCS and BMS



12345678

No.	COM1	COM2
1	NTC+	Meter 485A
2	NTC-	Meter 485B
3	Dry Contact	BAT 485A
4	Dry Contact	BAT CANH
5	DRM	BAT CANL
6	DRM	BAT 485B
7	485A	CTU
8	485B	CTN

PCS Side

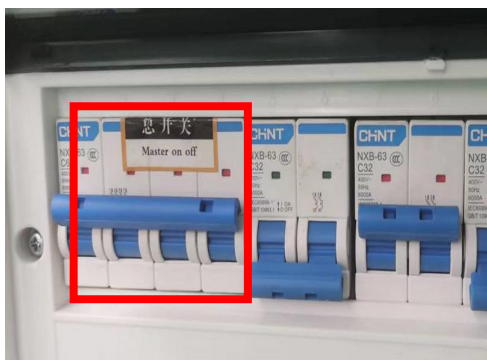


12345678

PIN1	RS485-B
PIN2	RS485-A
PIN3	GND
PIN4	CAN-H
PIN5	CAN-L
PIN6	GND
PIN7	RS485-A
PIN8	RS485-B

BMS Side

Matching Setting of Inverter and BMS-1



①

- 1. Check system connection conforms
- 2. Turn on the AC power switch



②

Inverter LCD display:
"Sys param"-->set"Start/Stop" ON



③

Inverter LCD display:
"Sys param"--> "Safty"--> "China".
(Select according to regional needs)



④

Inverter LCD display:
"Run Param" --> "Password" (5432)--> "Bat Param" -->"Lithium" -->select "Sel Lith Brand" --> "HYS"

Matching Setting of Inverter and BMS-2



5

"Run Param"-->"EMS Param"->"EMS Mode"-->"cmdChar"



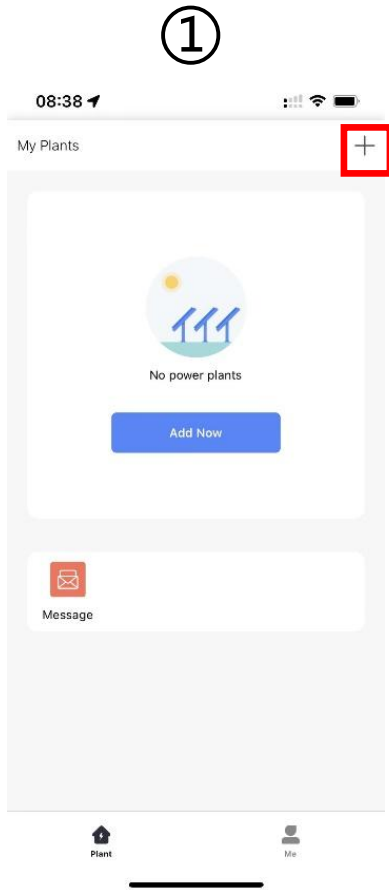
6

1. "Run Param" -->"EMS Param" -->"Chg Cmd" --> "Chg/DChg"
2. Set "PChg" in "Chg Pwr" to be positive for discharge and negative for charge
3. Find the "Chg Range" and set it for battery charge and discharge

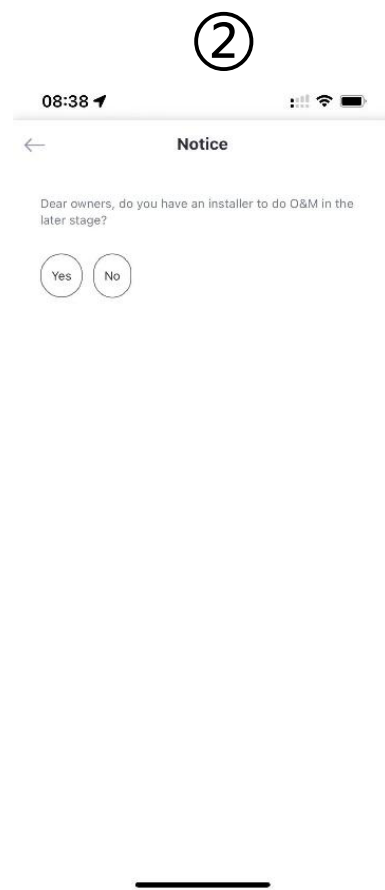


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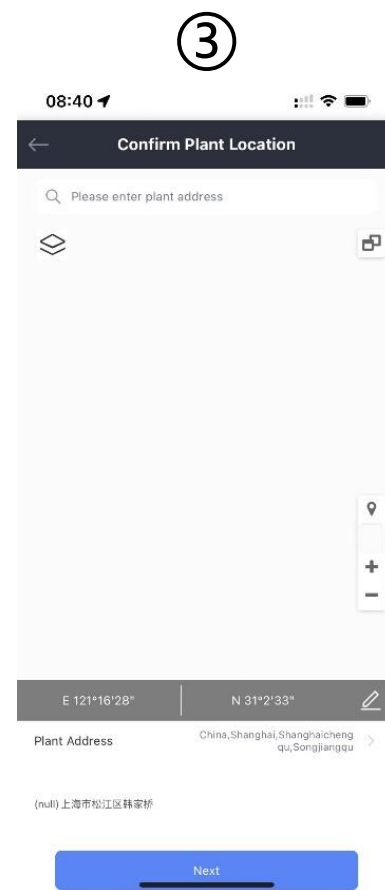
1. Enter "Run Param" to find "EMS Param" and set "AC Chg"
2. It can be charged for 24 hours from 00-00 to 23:59, and three time periods can be set for AC charging



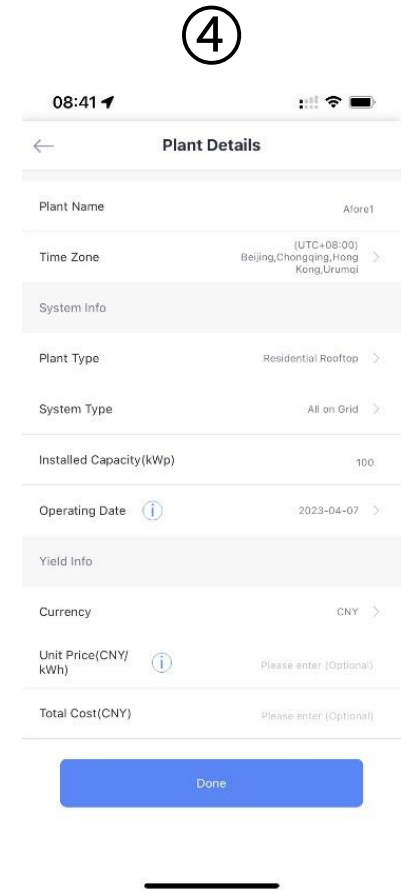
Open the software and click on the upper right corner to add a power station



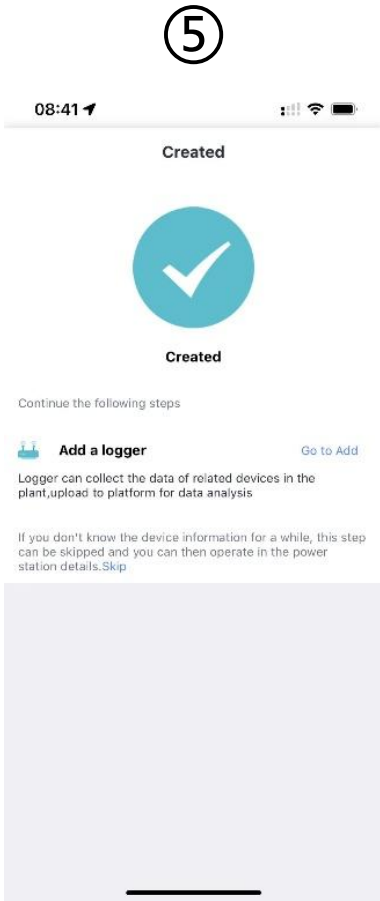
Choose according to the actual situation



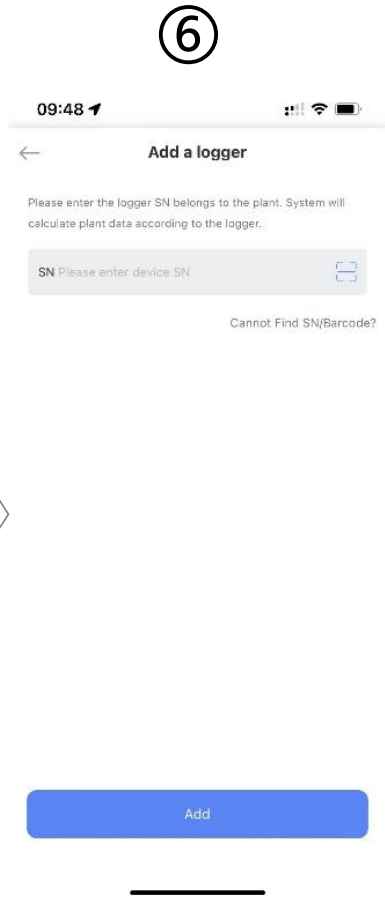
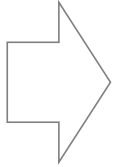
Waiting for location confirmation



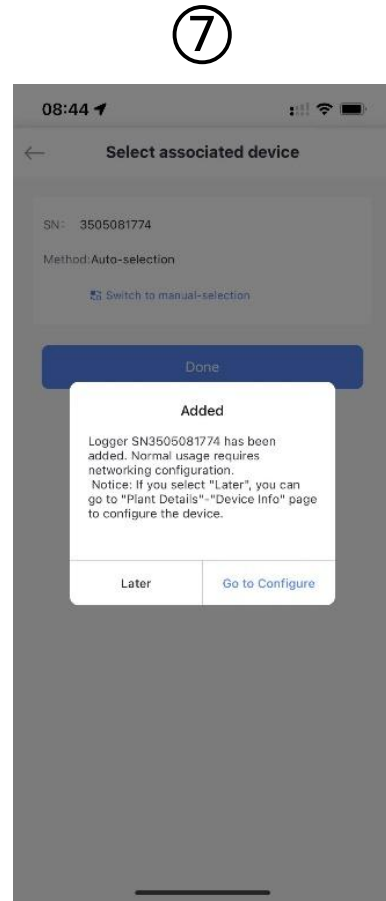
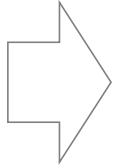
Set the power station name and installed capacity



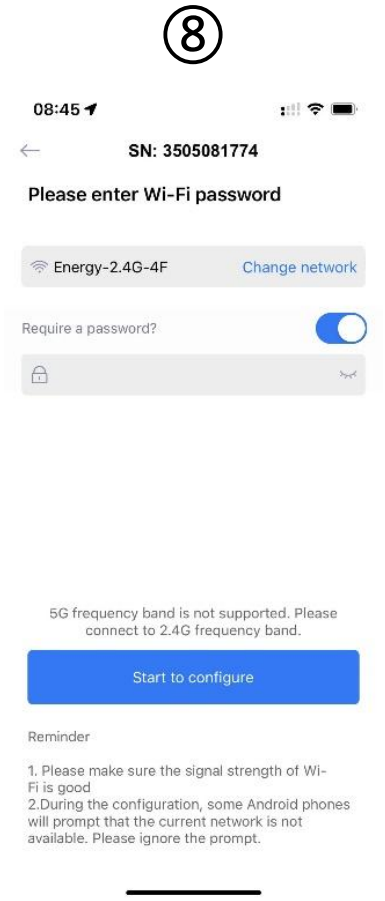
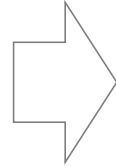
Add collector after creation



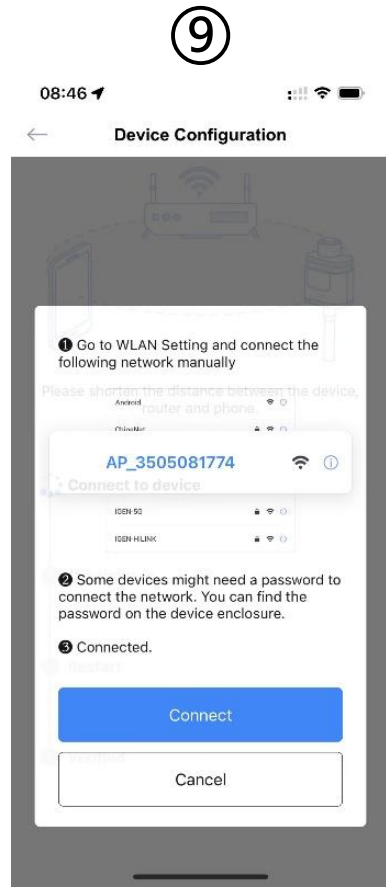
Scan the SN code of the corresponding collector



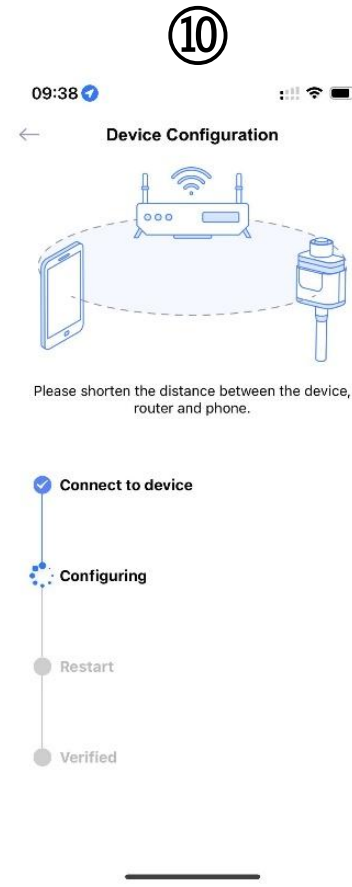
Choose according to your needs



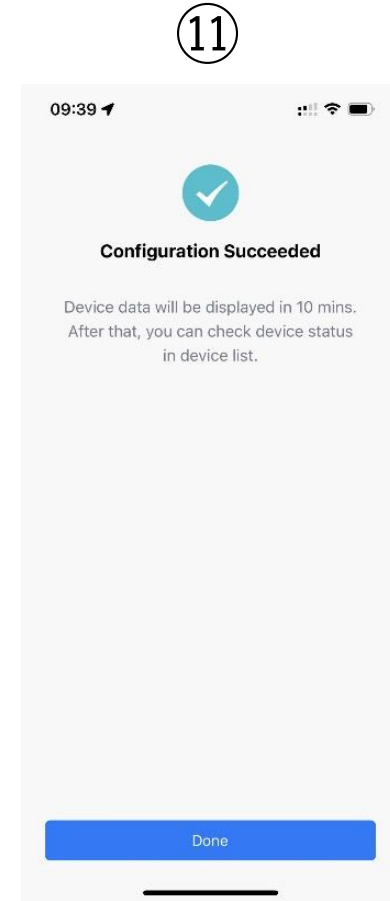
ADD A 2.4GWIFI



Connect to the collector WIFI



Waiting for the configuration to complete



Exit the configuration interface when complete