

Configuration of AURA 5000 with various meters

Growatt's balcony energy storage solution offers excellent integration with leading energy monitoring devices—including the Growatt P1 meter, everHome EcoTracker, Chargee Sparky P1 and Shelly meter—in a local configuration. By connecting to these devices, the balcony energy storage system can access real-time energy data without relying on cloud-based communication. This local setup ensures faster and more reliable data transmission. Meanwhile, with these real-time data, the balcony energy storage system can achieve self-consumption, maximizing solar energy utilization and lowering energy costs.

The Growatt logo, featuring a green stylized 'G' followed by the word 'ROWATT' in a dark grey, sans-serif font.

**TECHNICAL
WHITE PAPER**

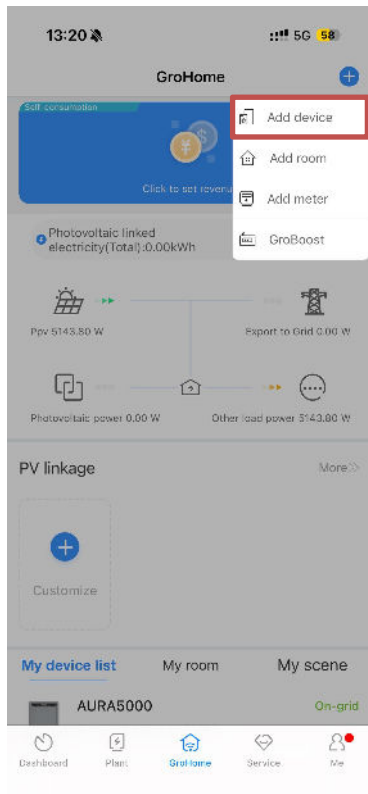
**Configuration of AURA 5000
with various meters**

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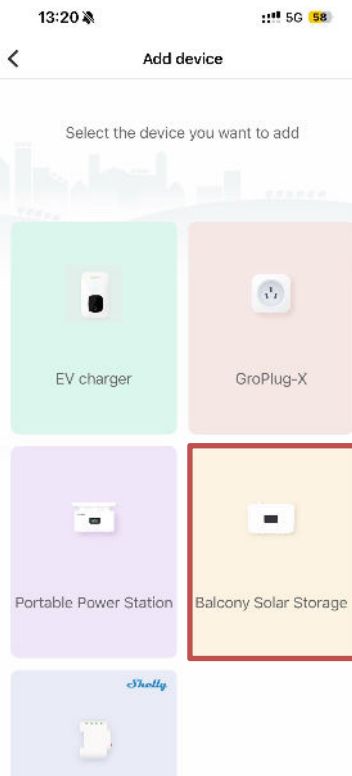


AURA 5000 network configuration (ShinePhone APP)

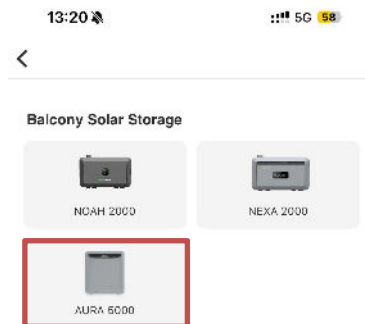
In Shinephone App, click on the '+' icon and choose 'Add device'



Select 'Balcony Solar Storage'



Select 'AURA 5000'



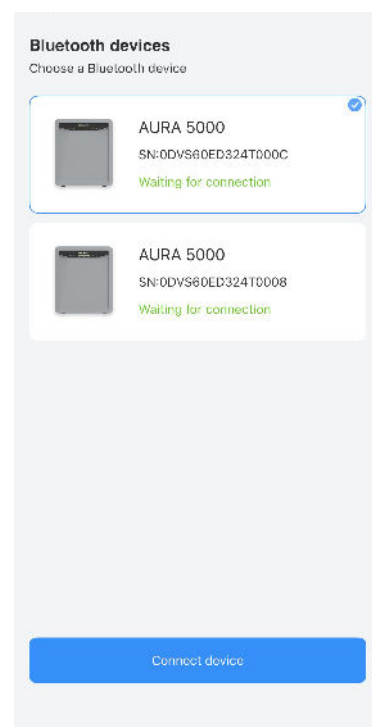
Turn on the AURA 5000, by pressing the power button for 1 second



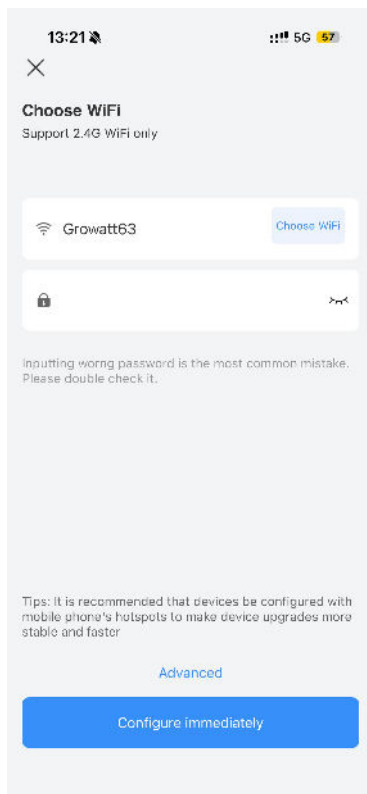
Turn on the pairing mode, by pressing the IOT button for 1 second



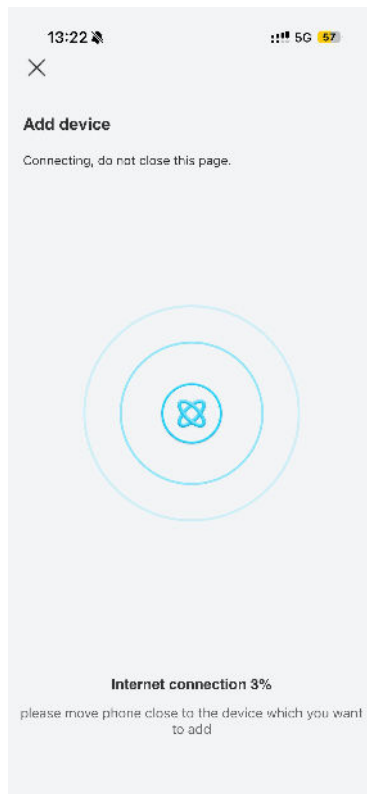
Select the AURA 5000 that you would like to connect



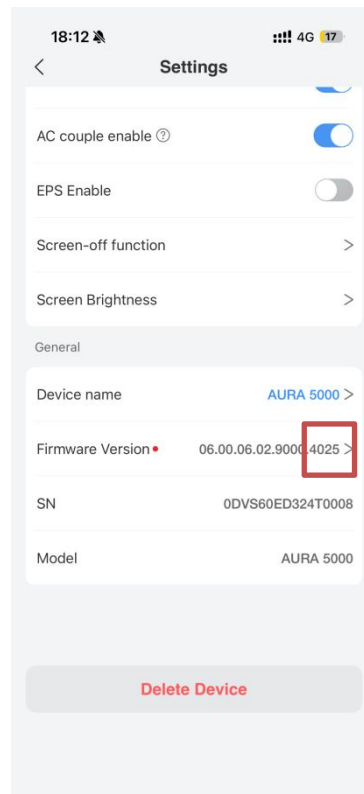
Select the WiFi network and enter the WiFi password



Waiting for network connection

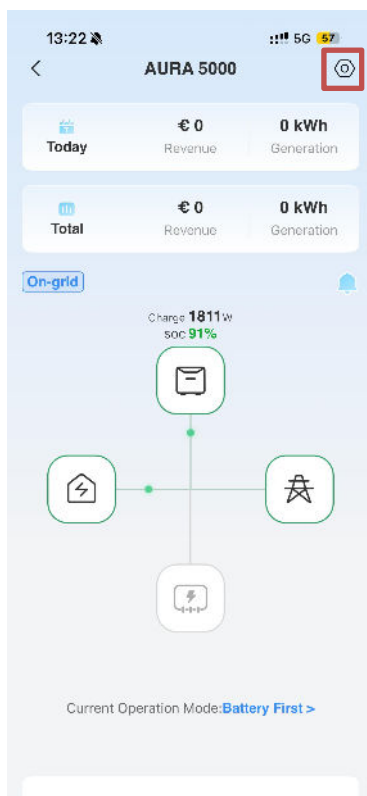


Make sure the firmware ends with version 4025 or higher

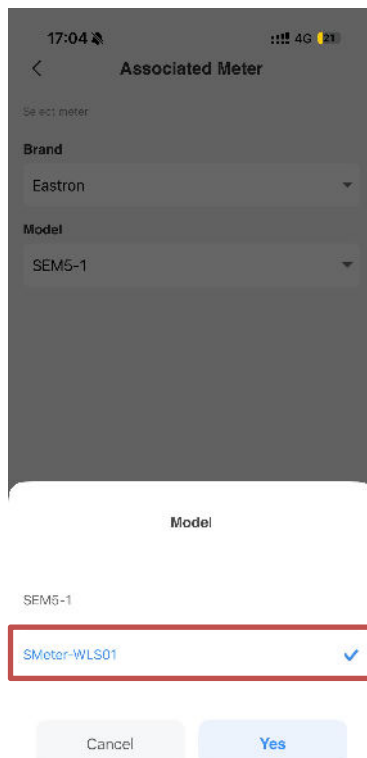


Meter Configuration (Growatt P1 meter)

From the dashboard page, select 'Setting' icon



Select the 'Associated Meter', and choose SMeter-WLS01 from Easton



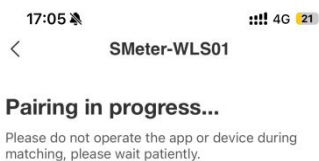
Briefly pressing the key button to turn on the pairing mode of P1 meter

Briefly press the Key button with the ejector pin
Use the ejector pin to briefly press the Key button on the side of SMeter-WLS01 until the blue LED flashes

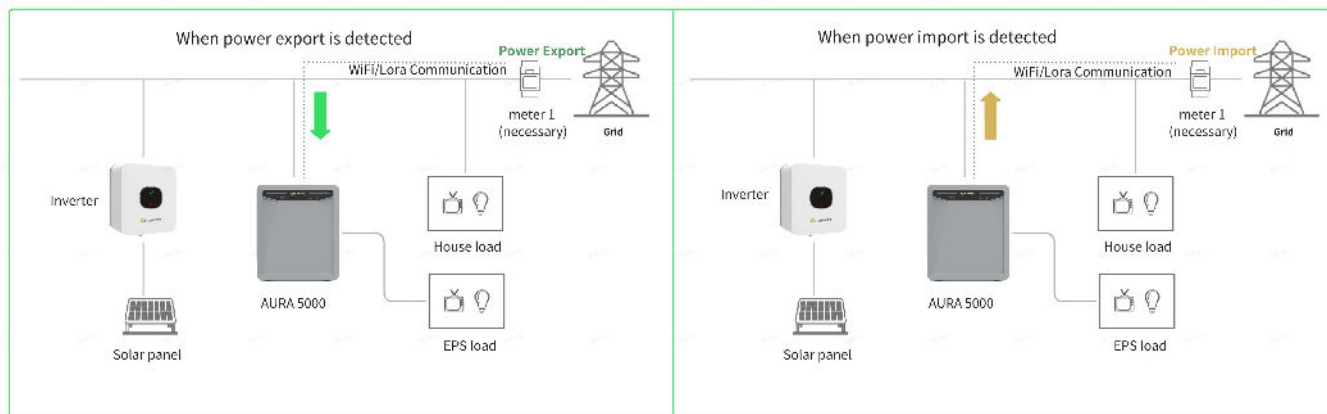
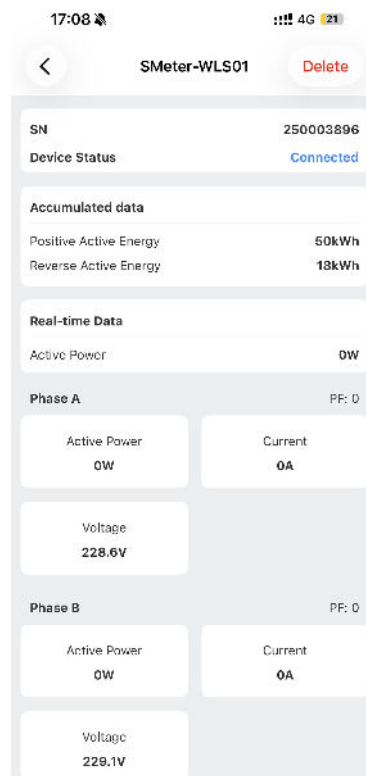
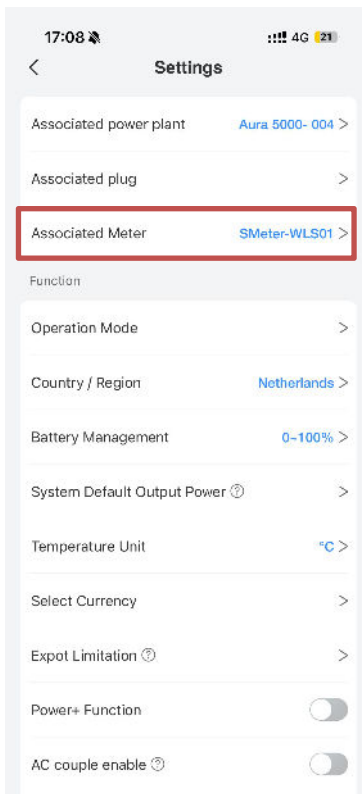


Next

Waiting for pairing between
P1 meter and AURA 5000



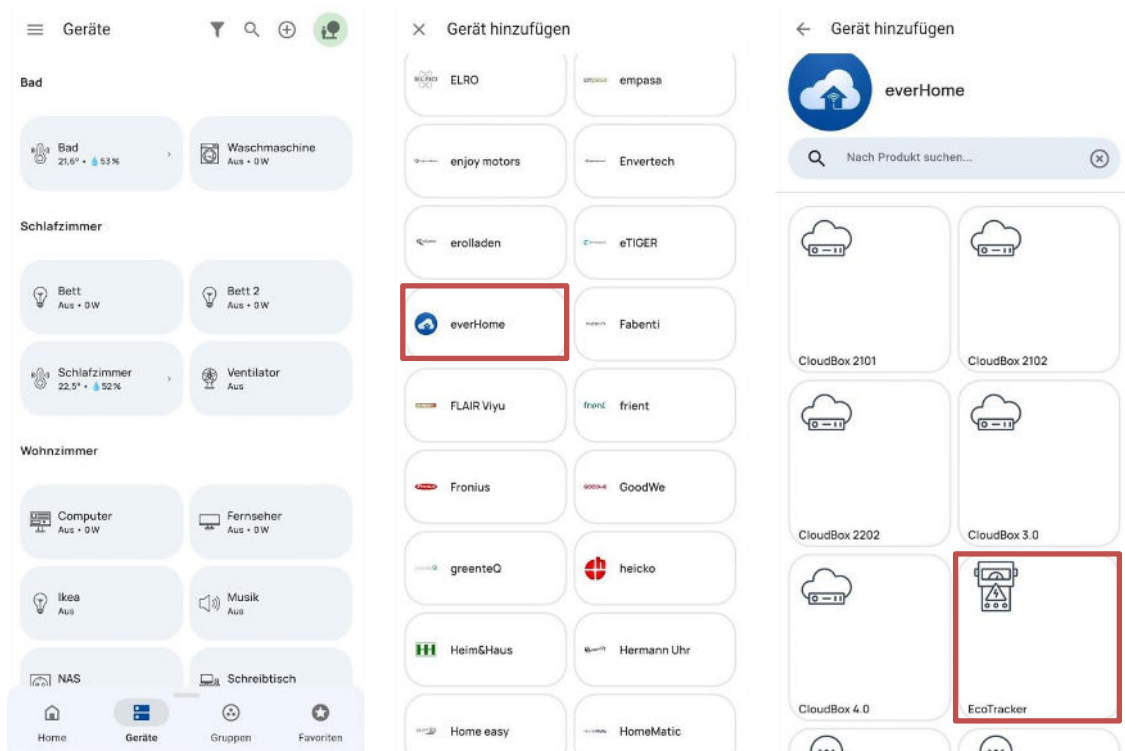
When pairing is completed, you can check the connection status and meter data by selecting 'Associated Meter'



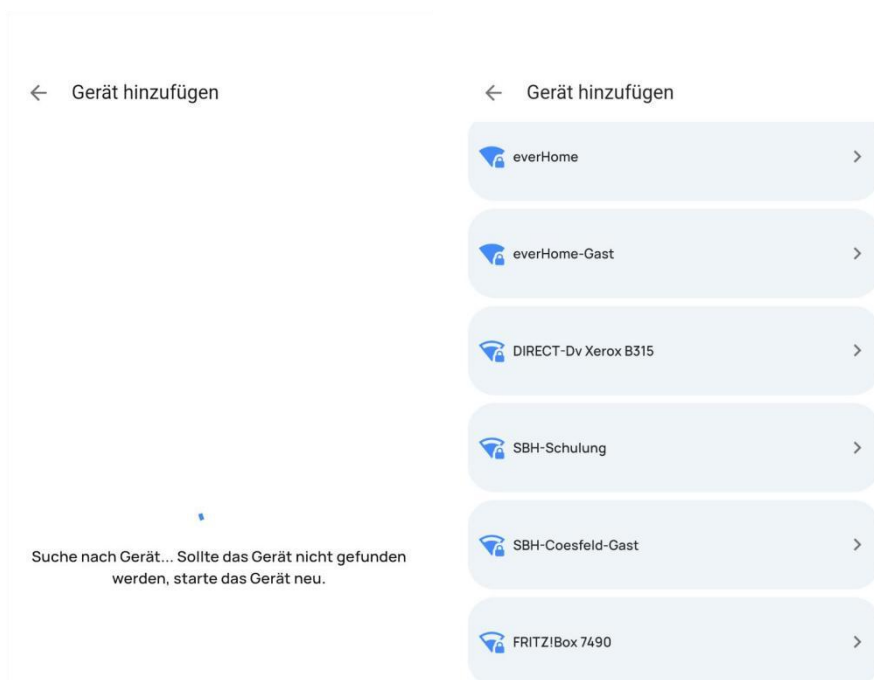
With data from smart meters, AURA 5000 dynamically adjusts output power based on demand, ensuring efficient charging and discharging.

Meter Configuration (everHome EcoTracker)

Step 1: Open the everHome APP and configure the network for EcoTracker



Make sure that EcoTracker is connected to the same network that AURA 5000 connected to earlier.



Step 2: Enter the setting interface and configure the EcoTracker

13:23 5G 57

< Associated Meter

Select meter

Brand

everHome

Model

everHome EcoTracker

Next

everHome EcoTracker

Please confirm this before configuring the meter

The balcony energy storage device and everHome EcoTracker are under the same local network



Your device and everHome EcoTracker are already under the same local network

Confirm

Configure Meter



everHome EcoTracker

Searching and configuring the meter...

Configure Meter



Meter configuration successful

You can now experience the self-consumption mode!

Try it now

Not now

Operation Mode

Time Period 00:00-23:59

Note: The start time must be earlier than the end time, and cannot conflict with the set time period.

Load First Mode

System Default Output Power

0W 800W

Battery First Mode

Smart Self-consumption Mode



everHome EcoTracker

SN

Device Status Connected

Accumulated data

Positive active power 1163.51kWh

Reverse active power 0kWh

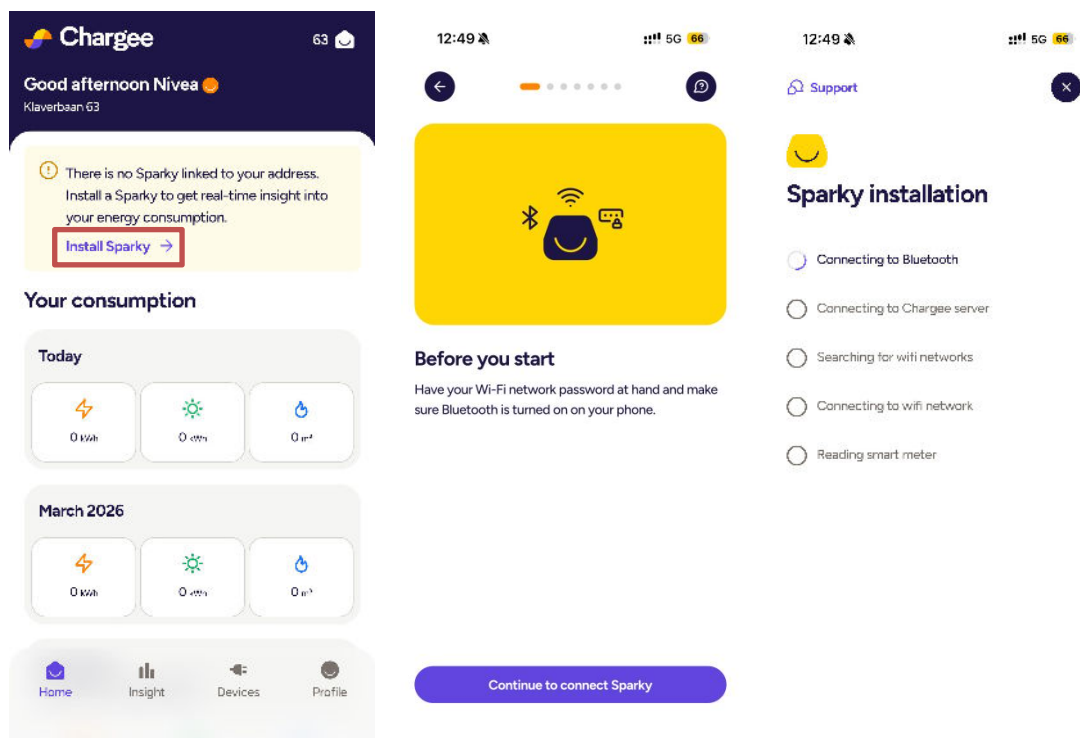
Real time Data

Active Power 87W

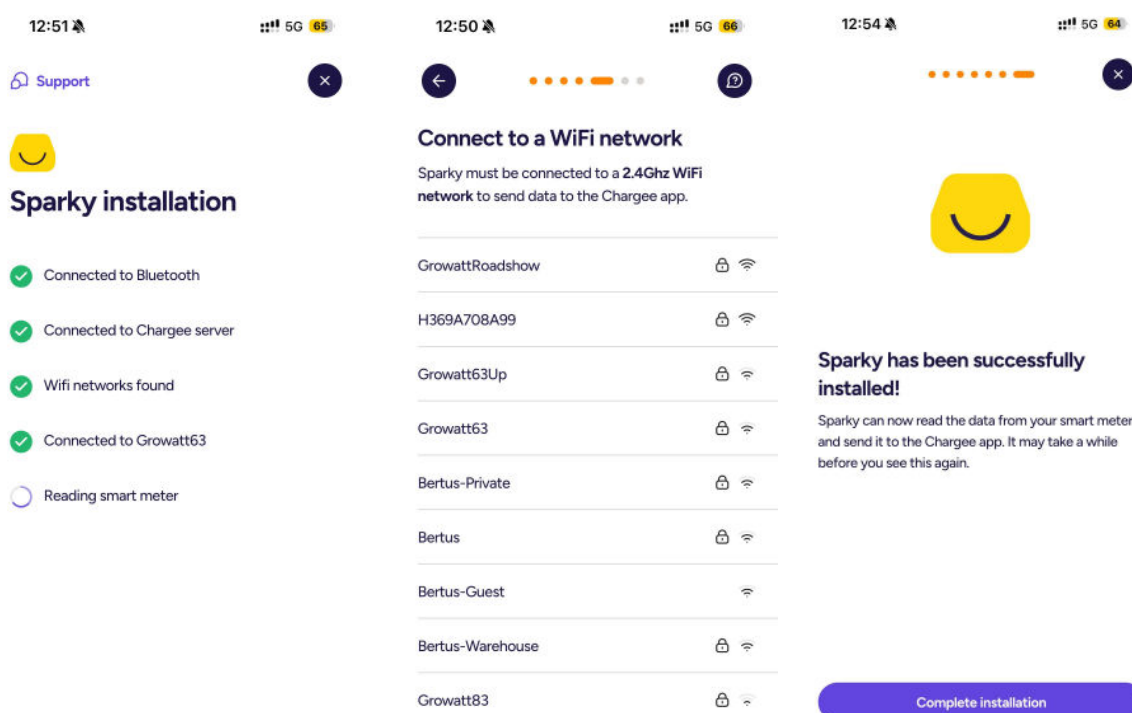
Average power 87W

Meter Configuration (Chargee Sparky P1 meter)

Step 1: Open the Chargee APP and configure the network for Sparky P1 meter



Make sure that Chargee is connected to the same network that AURA 5000 connected to earlier.



Step 2: Enter the setting interface and configure the Sparky P1 meter

13:23 5G 57

< Associated Meter

Select meter

Brand

Chargee

Model

Sparky P1 meter

Next

13:24 5G 57

< Sparky P1 meter

Please confirm this before configuring the meter

The balcony energy storage device and Sparky P1 meter are under the same local network



Confirm

13:24 5G 57

< Configure Meter



Sparky P1 meter

Searching meter...

13:30 5G 55

< Configure Meter

Select meter

Sparky P1 meter
SN:DC0675B6F7EC

Confirm

13:38 5G 53

< Settings

Associated power plant [Aura 5000 >](#)

Associated plug [>](#)

Associated Meter [Sparky P1 meter >](#)

Function

Operation Mode [>](#)

Country / Region [Germany >](#)

Battery Management [10~100% >](#)

System Default Output Power ② [>](#)

Temperature Unit [°C >](#)

Select Currency [>](#)

Expot Limitation ② [>](#)

Power+ Function ☐

AC couple enable ② ☐

13:34 5G 54

< Sparky P1 meter [Delete](#)

SN DC0675B6F7EC

Device Status [Connected](#)

Accumulated data

Positive Active Energy 343827.19kWh

Reverse Active Energy 7742.33kWh

Real-time Data

Active Power 2005W