

N E O ∇ O L T A™

Prior to turning on the inverters:

1. Verify the wiring
2. Check that there are no tones
 - a. Tone means there's a short
3. Conduct a continuity test with a voltage meter
4. Turn each battery on, one by one
5. Don't turn the inverter on yet
6. Verify there is no tone between:
 - a. L1 to neutral
 - b. L2 to neutral
 - c. L1 to L2

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Parallel Systems Configuration

Parallel systems REQUIRE 2+ inverters.

If you only have ONE inverter, please keep the inverter OUT of parallel.

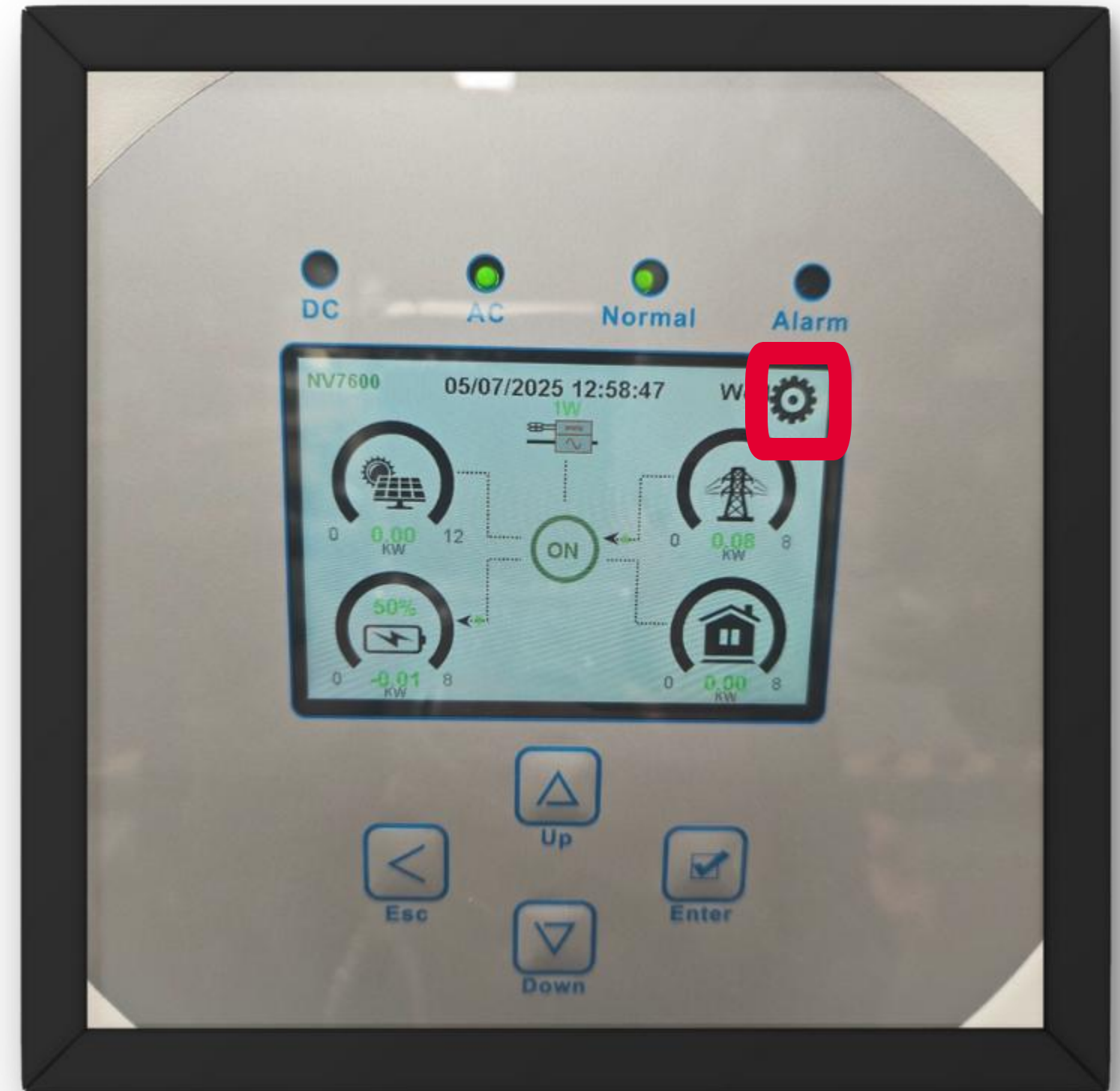
For Parallel System:

1. Turn on one inverter (the Master) with the batteries.
2. Do not connect to the grid yet.
3. Do not connect to solar yet.
4. Program the Master inverter, the last step will be parallel on the Master AFTER programming parallel on the slave.

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LCD Settings

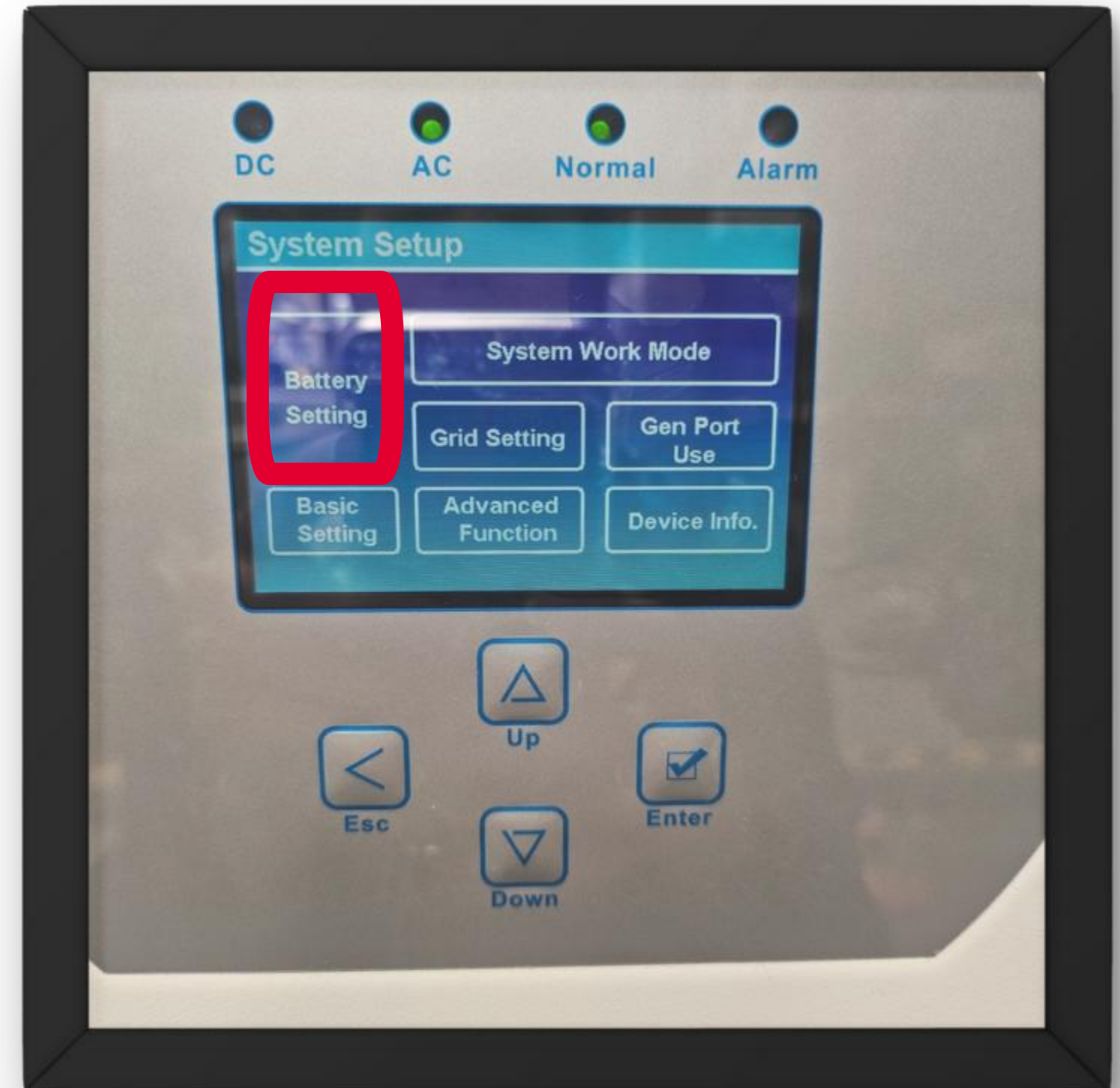
- On the Master, select the gear icon



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LCD Settings

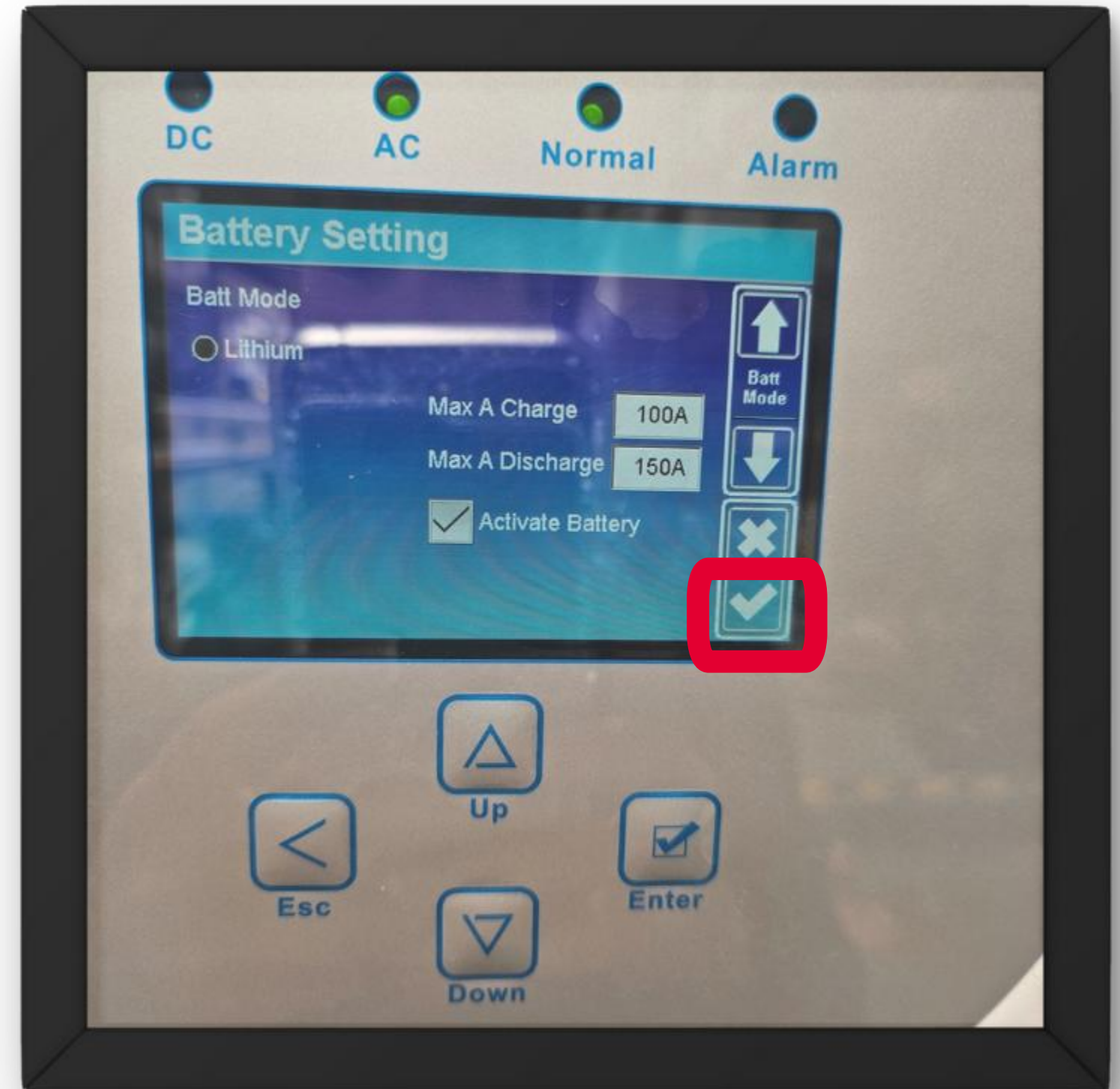
- Start with Battery Setting



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LCD Settings

- Select Lithium
- For NV14 or NVPlus Single inverter program:
 - Max A Charge 100A
 - Max A Discharge 150A
- For Parallel inverters program:
 - Max A Charge 185A
 - Max A Discharge 185A
- Checkmark Activate Battery
- To save the settings, press the checkmark



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LCD Settings

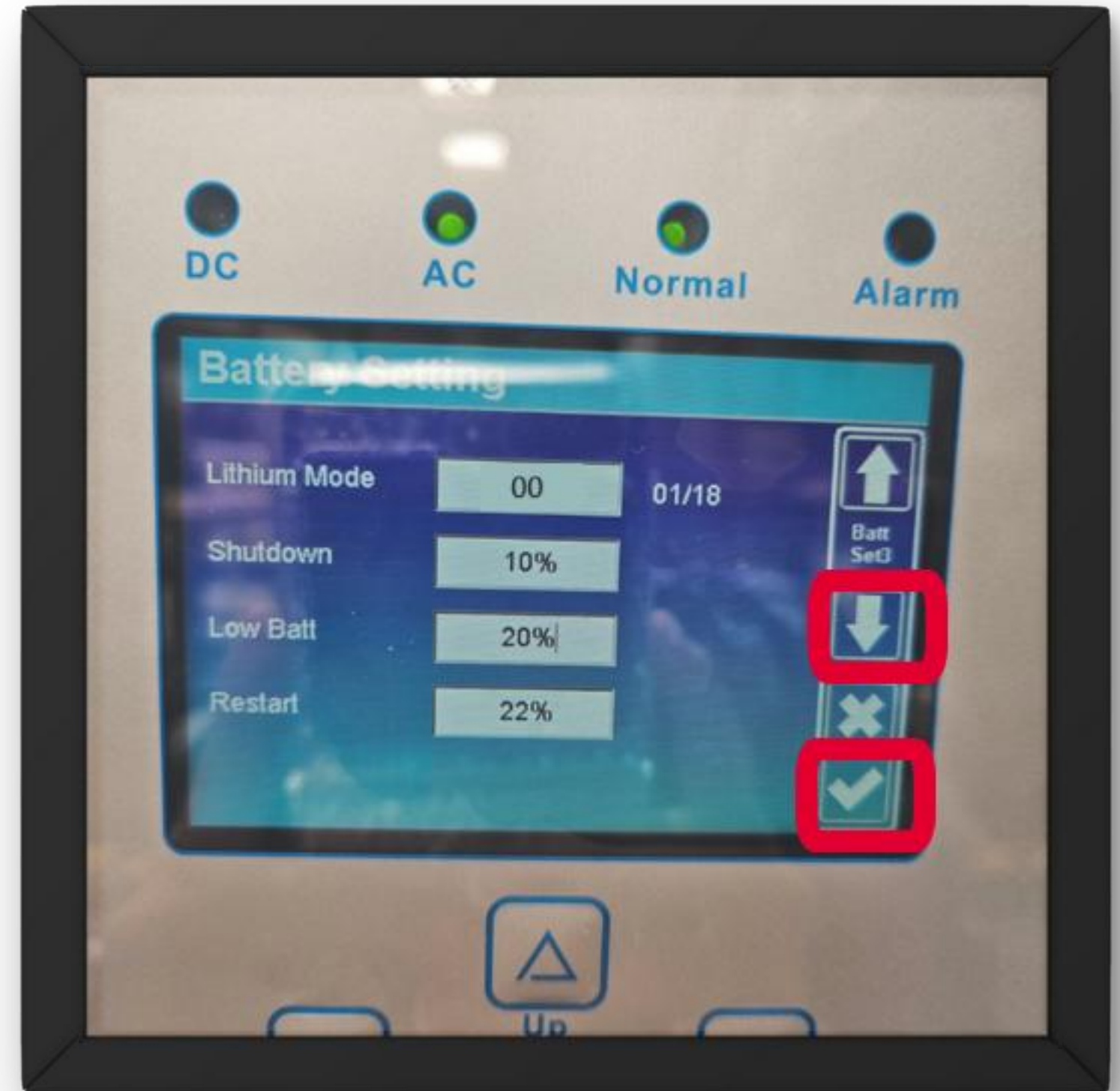
- To return to Battery Setting after saving
- Select the gear icon->Battery Setting
- Scroll down to the next page, using the down arrow
- It will show Batt Set2
- This page is the same configuration for single or parallel inverters.
 - Start 30% 20%
 - A 40A 10A
- If there is no generator, leave Gen Charge, Gen Signal and Gen Force de-selected
- Select Grid Charge
- Select Grid Signal
- To save the settings, press the checkmark



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LCD Settings

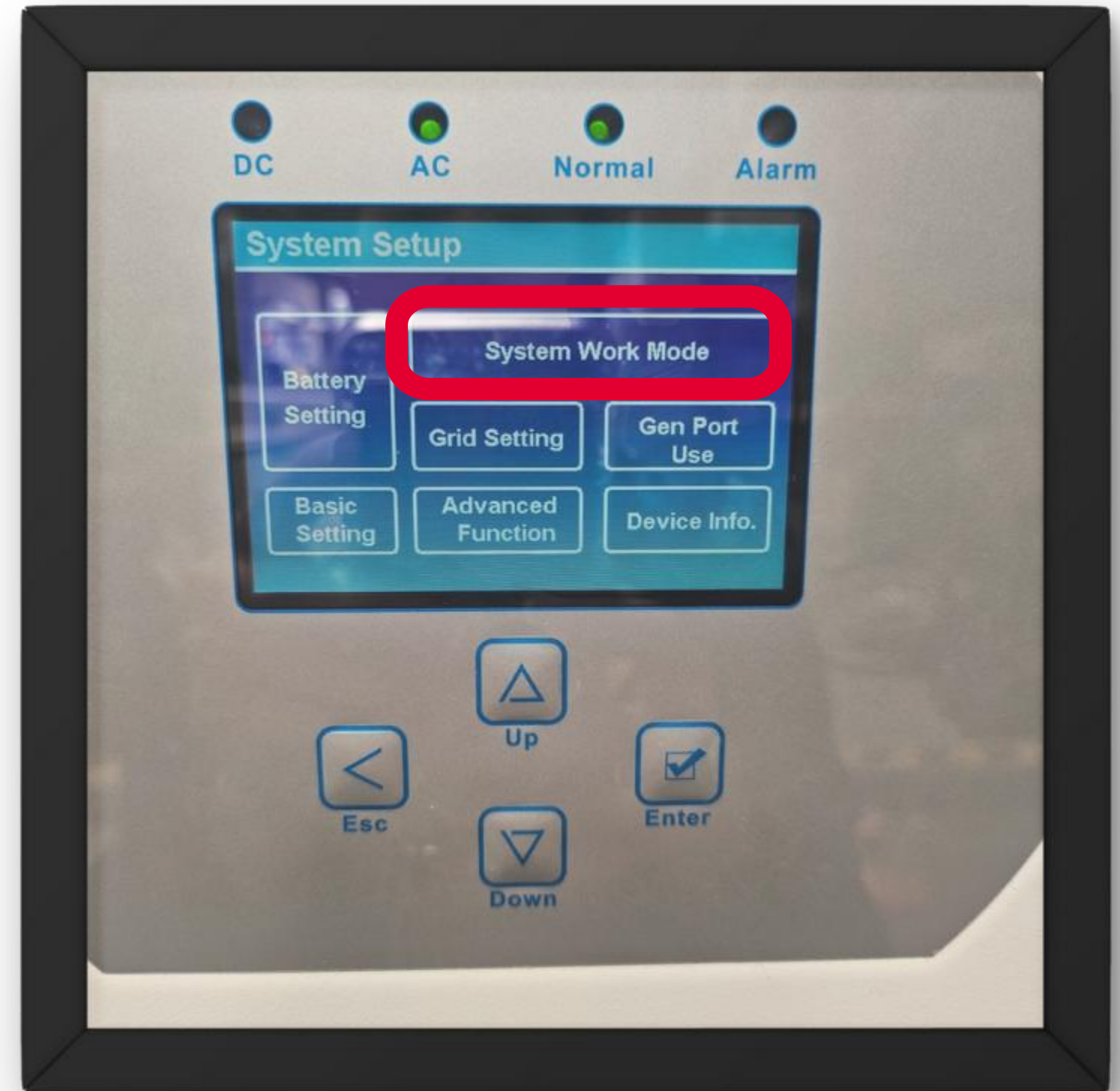
- To return to Battery Setting after saving
- Select the gear icon->Battery Setting
- Scroll down to the third page, using the down arrow
- It will show Batt Set3
- This page is the same configuration for single or parallel inverters.
 - Lithium Mode 00 – for NV7600 (Lithium Mode 01 – for NV14)
 - Shutdown 10%
 - Low Batt 20%
 - Restart 22%
- To save the settings, press the checkmark



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LCD Settings

- Select the gear icon
- Select System Work Mode



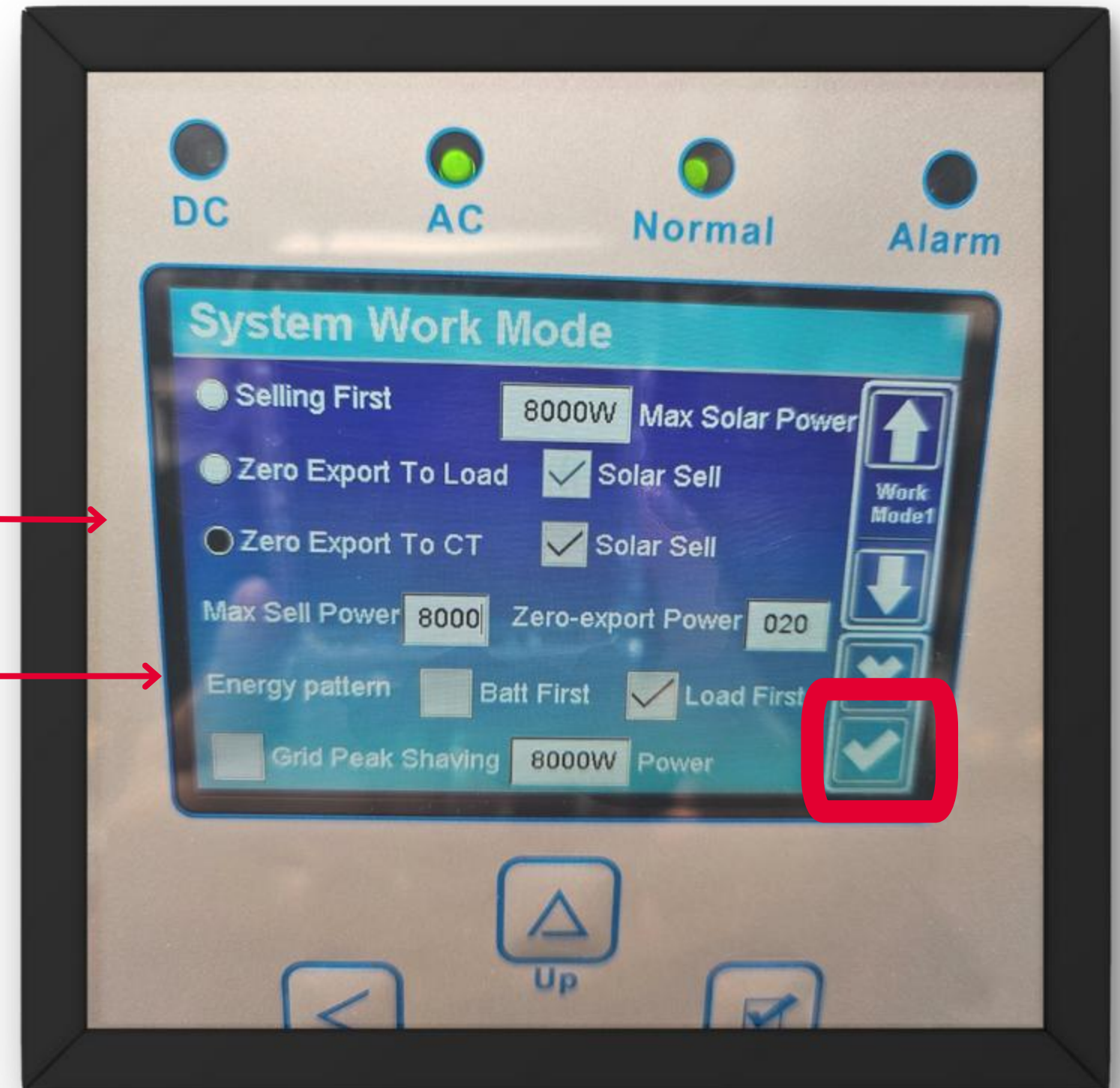
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LCD Settings

- This page is the same configuration for single or parallel inverters.
- NO CTs – set to Zero Export to Load
- CTs– set to Zero Export to CT
- Checkmark Solar Sell
- Energy pattern:
 - Load First

Batt First: PV power is firstly used to charge the battery and then used to power the load. If PV power is insufficient, grid will make supplement for battery and load simultaneously.

Load First: PV power is firstly used to power the load and then used to charge the battery. If PV power is insufficient, grid will make supplement for battery and load simultaneously.

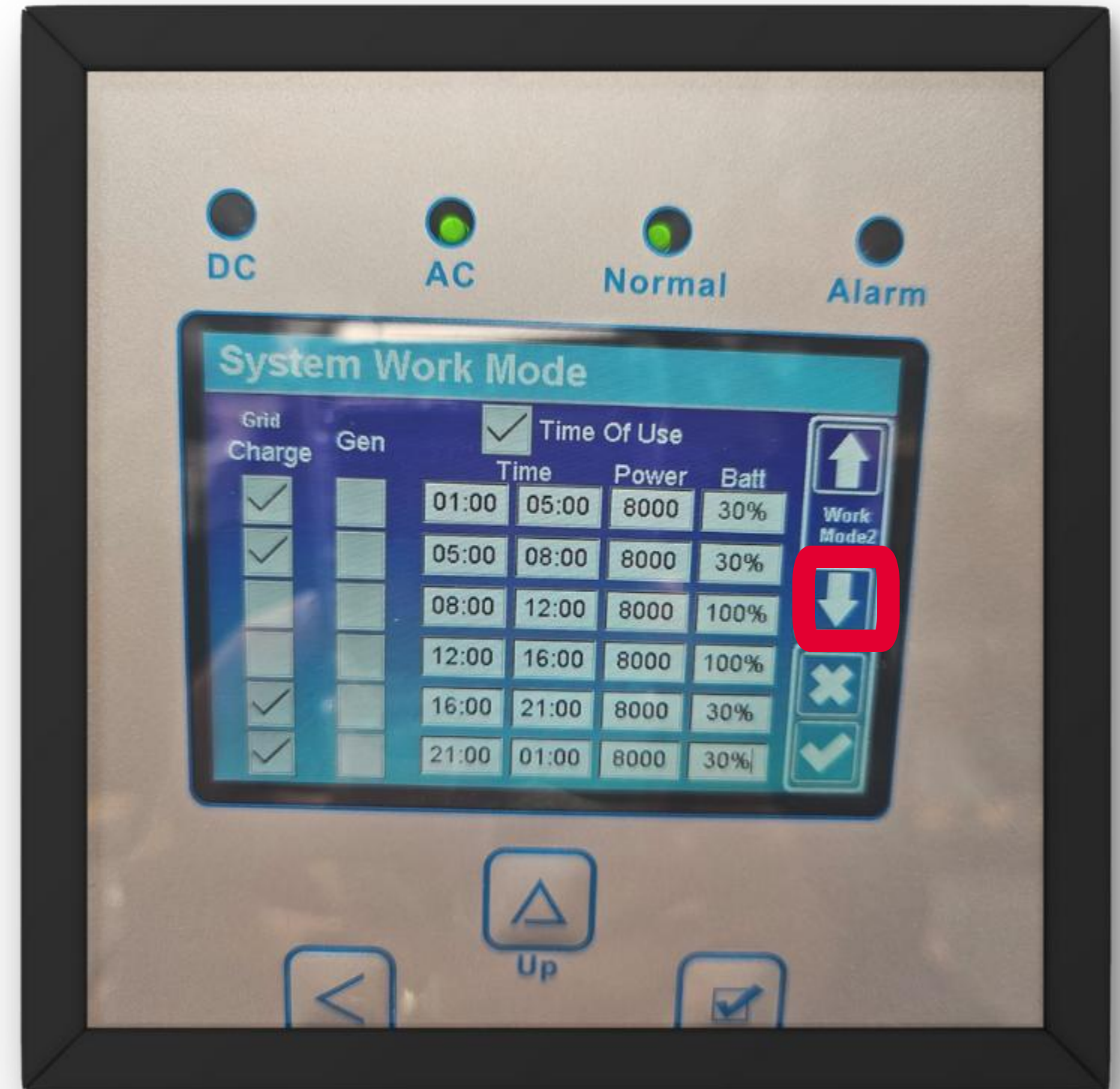


- To save the settings, press the checkmark

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LCD Settings

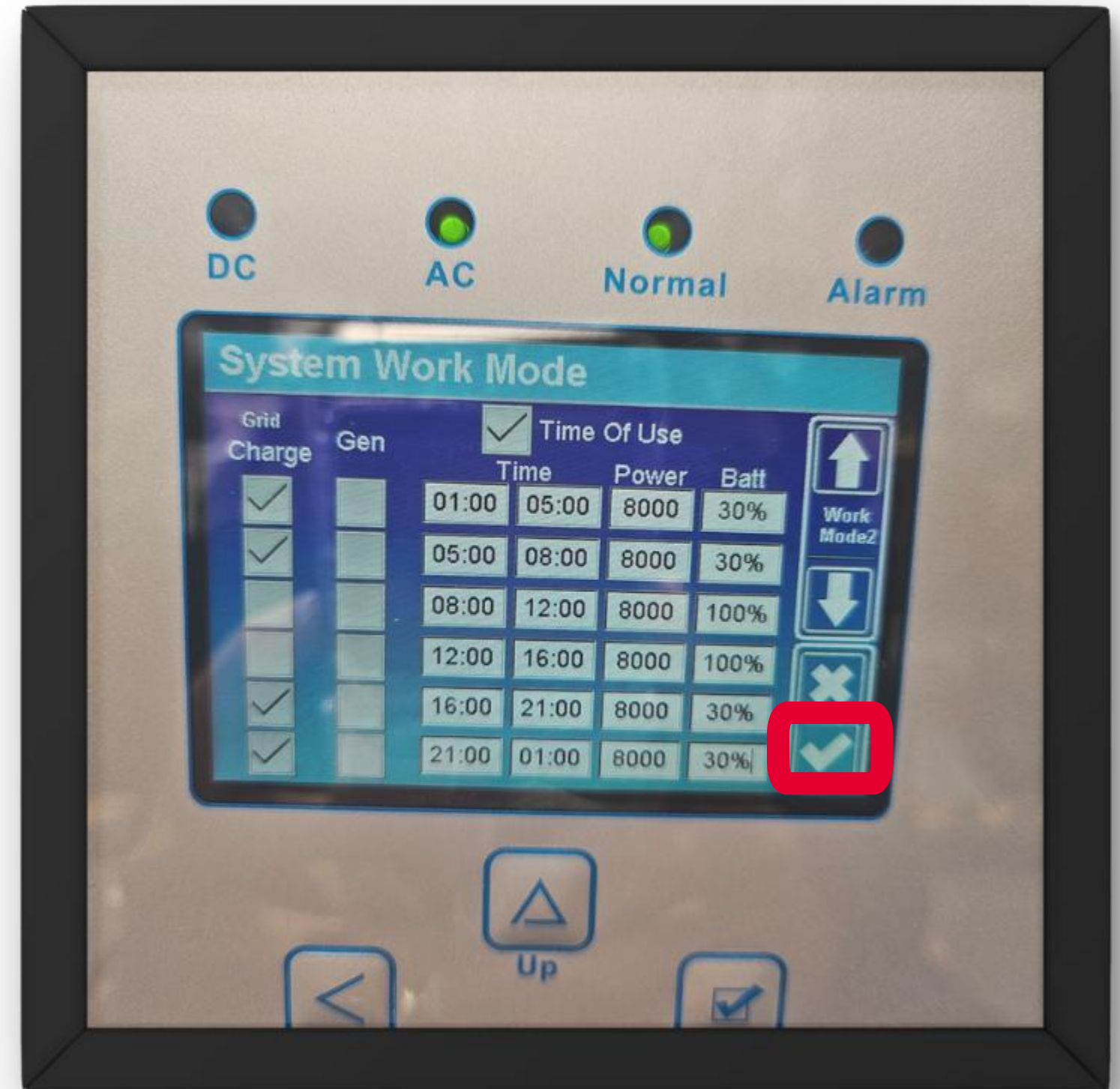
- To return to System Work Mode after saving
- Select the gear icon->System Work Mode
- Scroll down to the next page, using the down arrow
- It will show WorkMode2



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LCD Settings

- This page is the same configuration for single or parallel inverters.
 - Select Time of Use
 - Select Grid Charge, 01:00–05:00 30%
 - Select Grid Charge, 05:00–08:00 30%
 - 08:00–12:00 100%
 - 12:00–16:00 100%
 - Select Grid Charge, 16:00–21:00 30%
 - Select Grid Charge, 21:00–01:00 30%
- To save the settings, press the checkmark



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LCD Settings

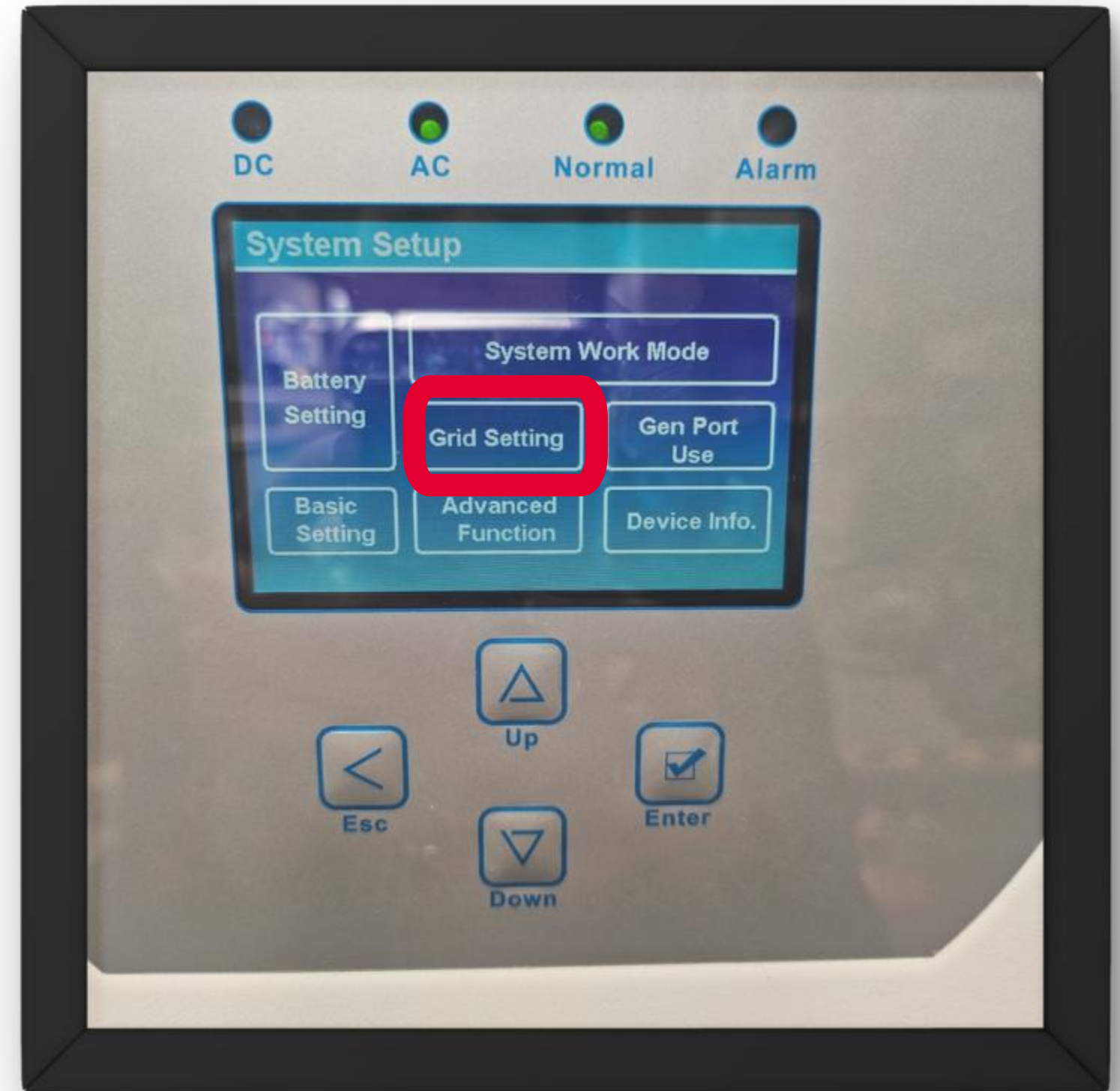
- To return to System Work Mode after saving
- Select the gear icon->System Work Mode
- Scroll down to the next page, using the down arrow
- It will show WorkMode4
- This page is the same configuration for single or parallel inverters.
- Either select all the days or deselect all the days.
- To save the settings, press the checkmark



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LCD Settings

- Select the gear icon
- Select Grid Setting



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LCD Settings

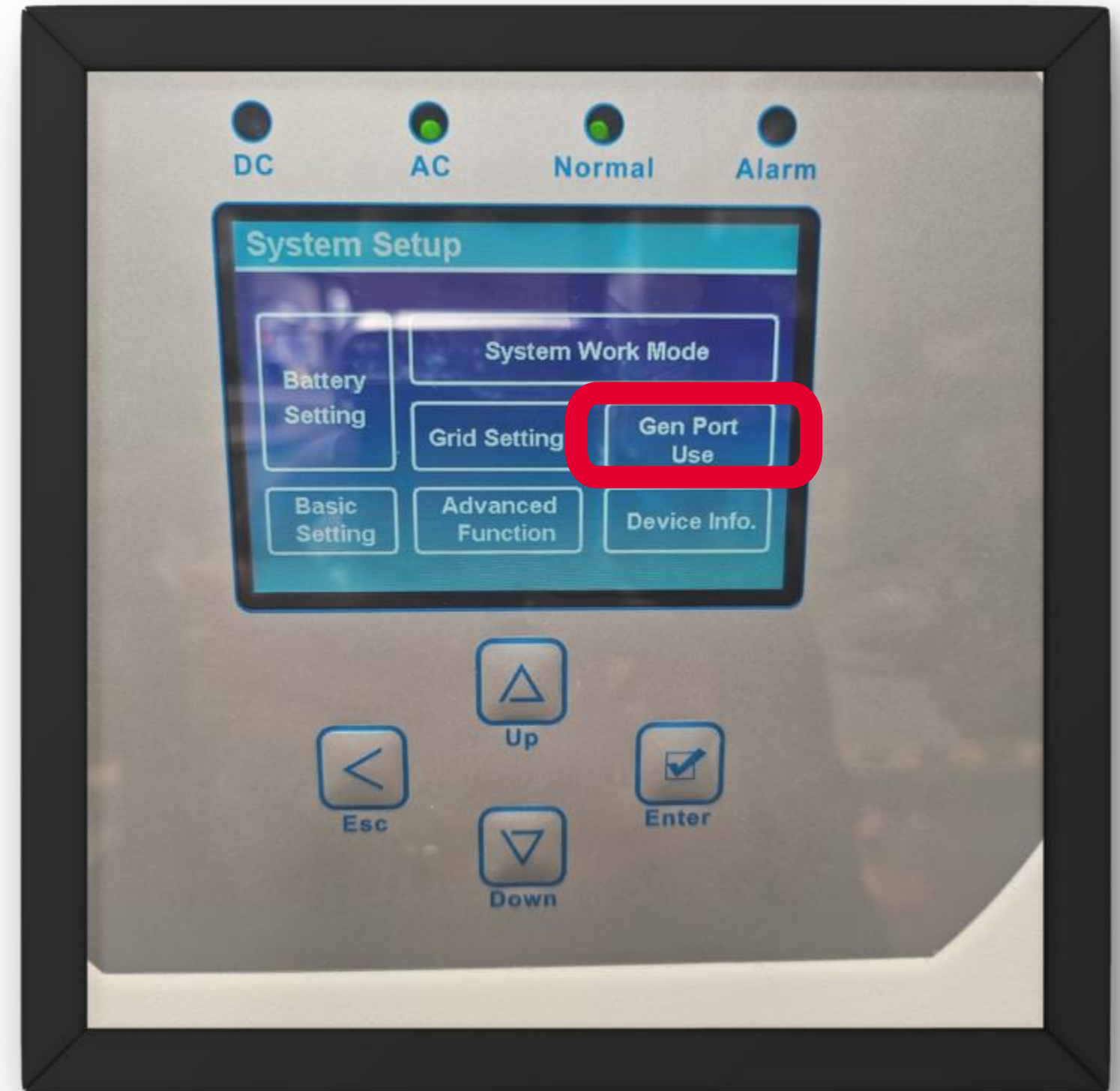
- This page is the same configuration for single or parallel inverters.
 - Grid Mode: CPUC RULE21
 - For USA, Grid Frequency 60Hz
 - Grid Type:
 - If using 240V, select 120/240V Split Phase
 - If using 208V, select 120/208V 3 Phase
- To save the settings, press the checkmark



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LCD Settings

- For AC Solar or Programming a Generator
- Select Gen Port Use



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LCD Settings

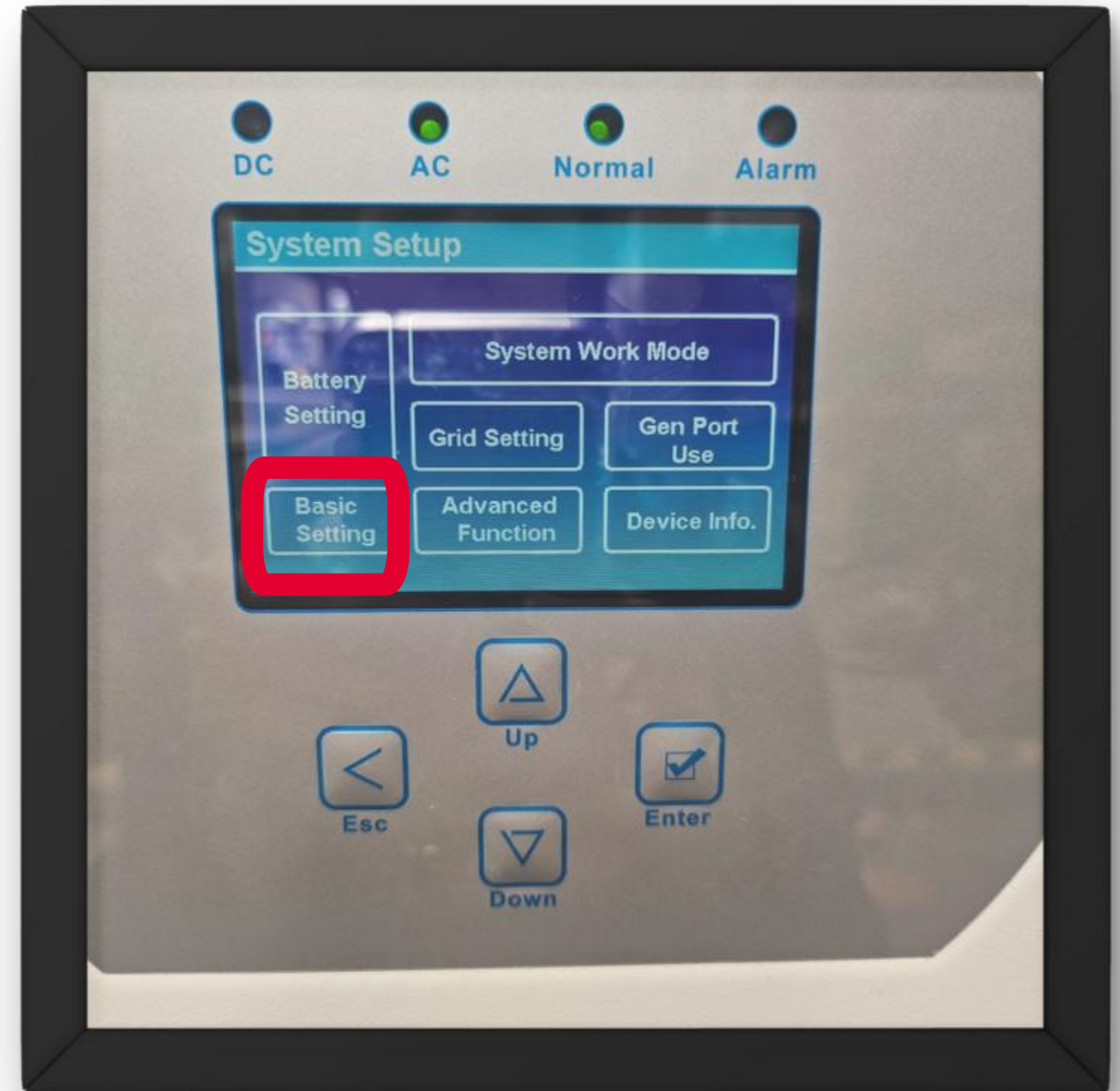
- This page is the same configuration for single or parallel inverters.
- For Programming a Generator
 - Select Generator Input
 - Enter 7600W
- For AC Solar
 - Select Micro Inv Input
 - ON 90%
 - OFF 95%
- To save the settings, press the checkmark



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LCD Settings

- Select the gear icon
- Select Basic Setting



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LCD Settings

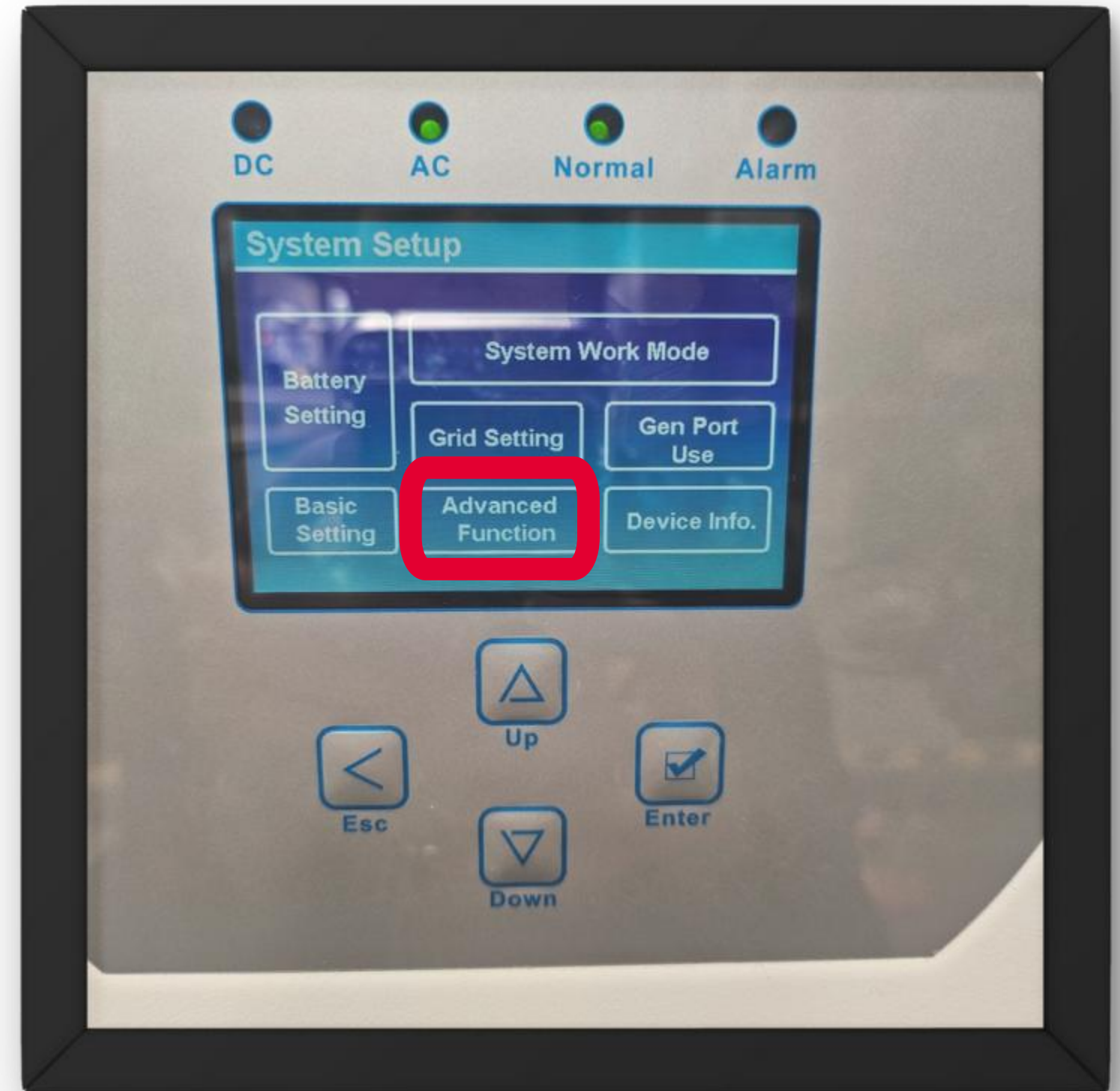
- This page is the same configuration for single or parallel inverters.
- Program the date and time.
- Please ensure Beep is de-selected.
- Please ensure Auto Dim is selected.
- To save the settings, press the checkmark



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LCD Settings

- To program parallel inverters
- Select Advanced Function



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LCD Settings

- For Parallel Configurations,
- Program parallel on the slave inverter first.
- Select the gear icon, select Advanced Function
- Select Parallel, Slave, Modbus SN 02, A Phase
- To save the settings, press the checkmark



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LCD Settings

- For Parallel Configurations,
- Program parallel on the master inverter.
- Select the gear icon, select Advanced Function
- Select Parallel, Master, Modbus SN 01, A Phase
- To save the settings, press the checkmark



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Parallel Systems Configuration

1. Turn off the slave first.
2. Turn off the master next.

After 5 minutes:

- Restart slave first then the master.
- The inverter should show Green LED, normal.

If normal doesn't come on, it means there are 0 V on the load.

Verify the slave has the same parameters from the master.

- For example, check to see if the slave inverter has the same settings as the Master.
- Gear icon -> Battery Settings -> First page (Batt Mode)
- Max A Charge 185A
- Max A Discharge 185A

It's a good way to check the parallel system is working.

Then turn on solar, verify all is functional, with the grid off.

Once that has successfully been configured, turn the grid on.

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Prior to commissioning:

1. Please obtain the WiFi information for the plant.
2. The email address that will be used for commissioning.
 - a. If the homeowner's email will be used, please note a verification code will be sent to the email address when the account is registered.
 - b. The account can be created prior to going onsite. This allows for requesting the verification code from the homeowner ahead of time.

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Selecting the Correct Solarman App

**Both homeowner and installer require an account.
They are created in different apps.**

- Solarman Smart – Homeowner
- Solarman Business – Installer
- Solarman Pro – Europe/Non-U.S.

The system should be commissioned using the system owner's account.

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Selecting the Correct Solarman App

Determining the owner of the system

The owner would be classified as:

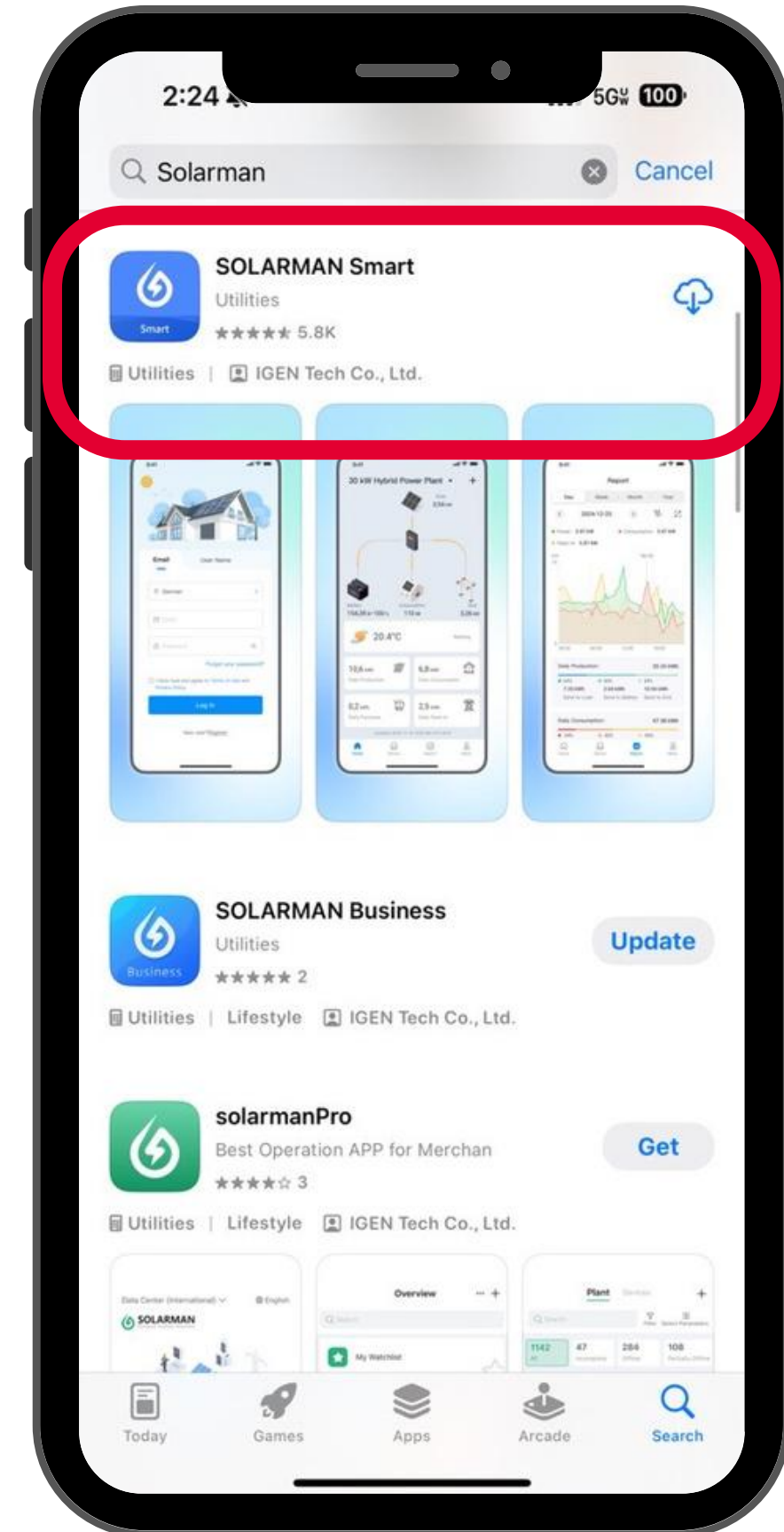
- The homeowner purchased the system -> Use Solarman SMART.
- The installer purchased the system and is leasing the system to the homeowner -> Use Solarman Business.
- Third party, such as HDM, San Diego Community Power, etc. -> this is at the discretion of the third party/installer/homeowner. NeoVolta has primarily seen it commissioned through the installer's account through Solarman Business. Commissioning through the installer's account allows the installer to manage the system if there's a change to WiFi, etc.

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App Store

Search Solarman

- Solarman Smart – Homeowner
- Solarman Business – Installer
- Solarman Pro – Europe/Non-U.S.



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Commission Using Solarman Smart

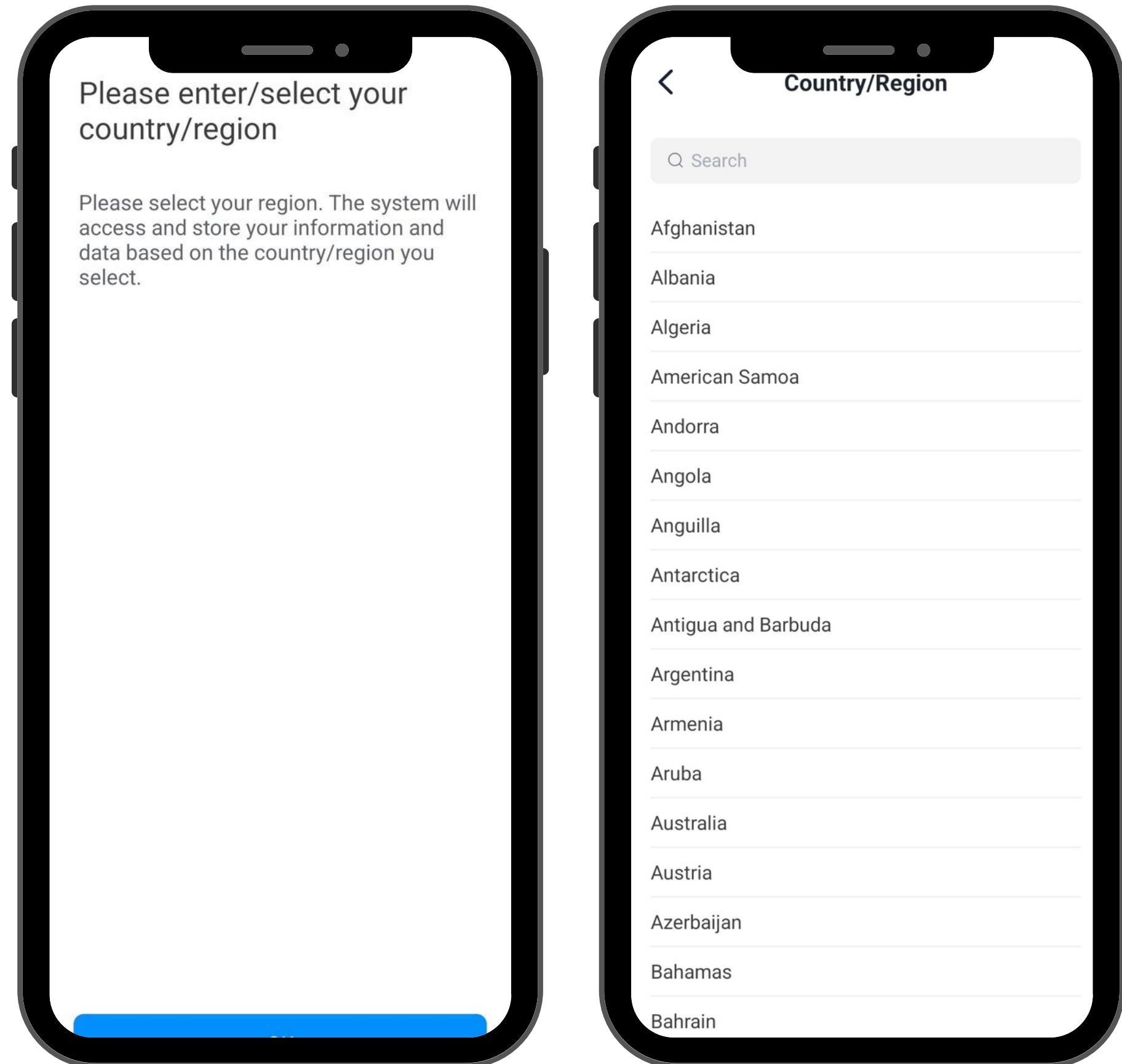
- Solarman Smart –
Homeowner



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Chose region

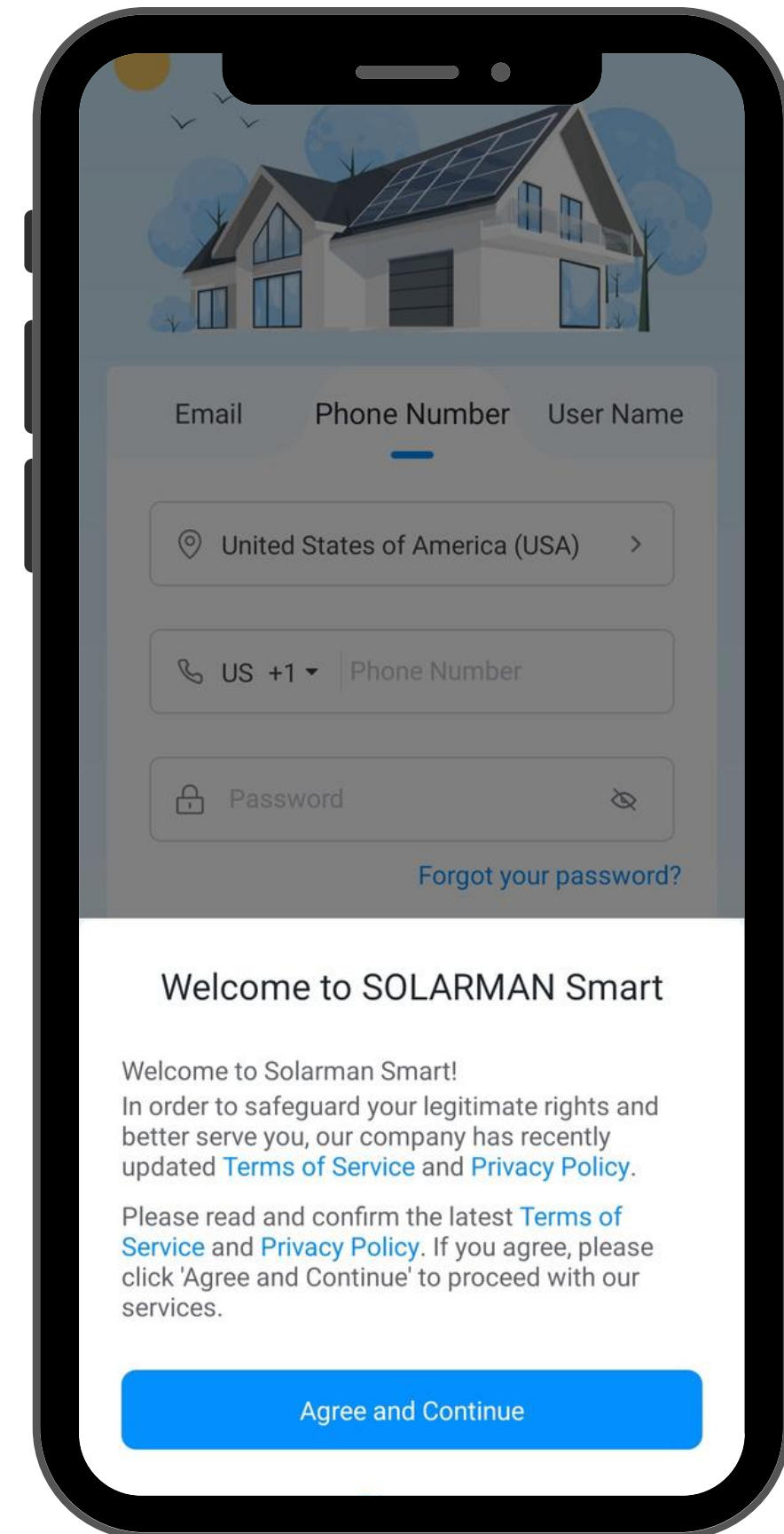
- Select your region



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Service Agreement and Privacy Policy

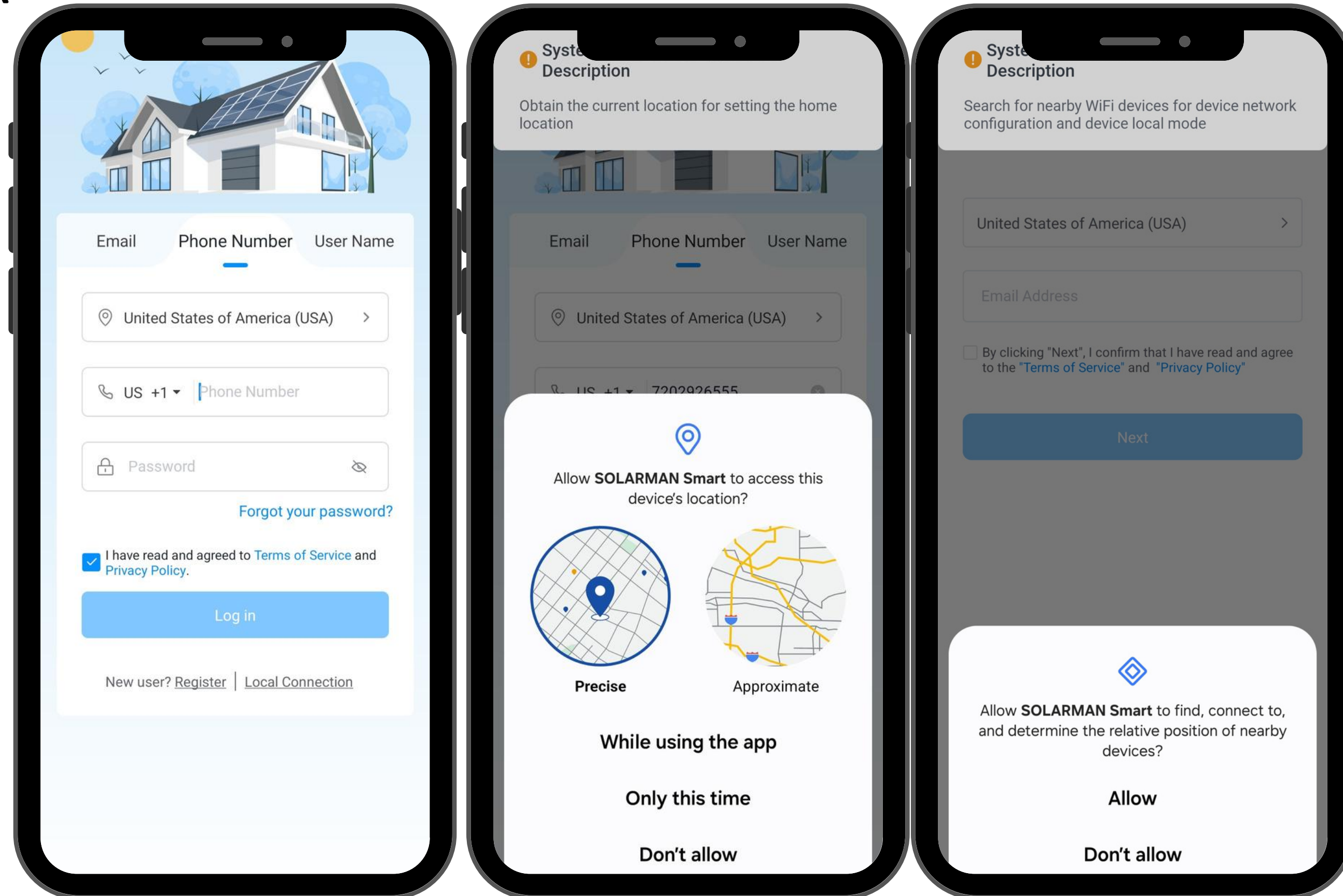
- Please read
- Once you have read,
- Select the blue 'Agree' button



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Solarman SMART

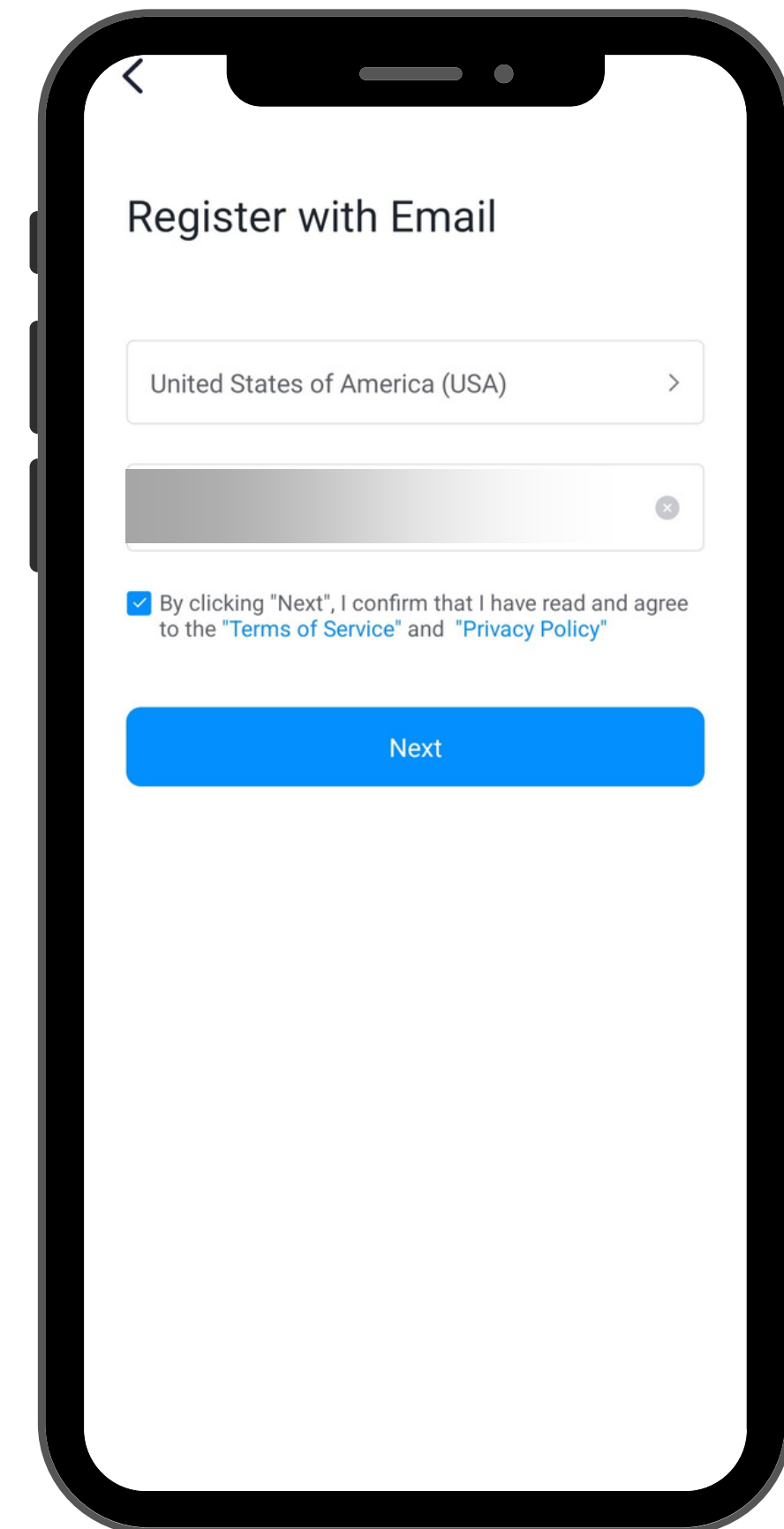
- App will request to use location
- Accept 'Allow While Using App'
- This will help find the install address faster



N E O V O L T A™

Solarman SMART

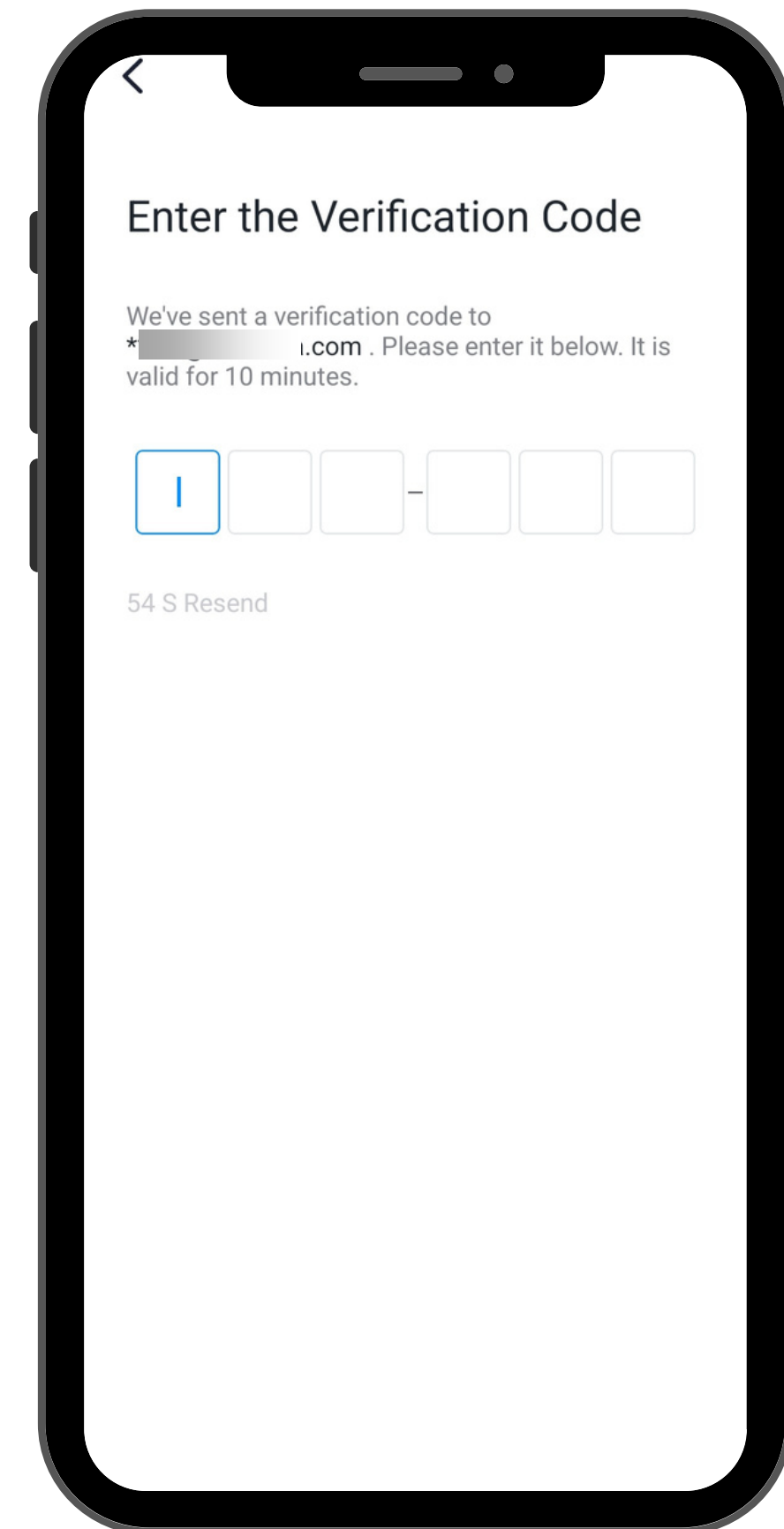
- Register with Email on the App
- Select Next



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Solarman SMART

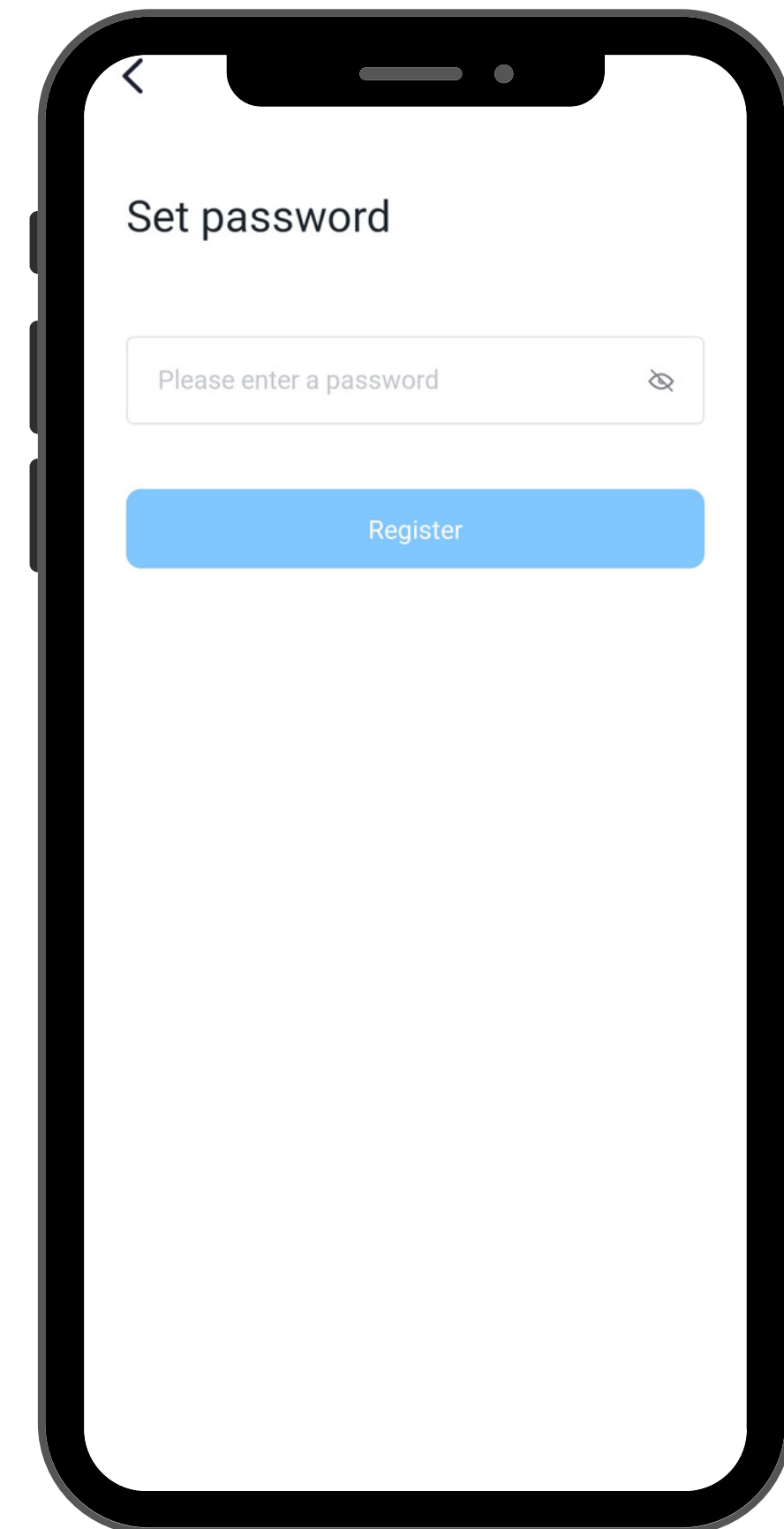
- A Verification Code will be sent the email provided
- Enter the Verification Code



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Solarman SMART

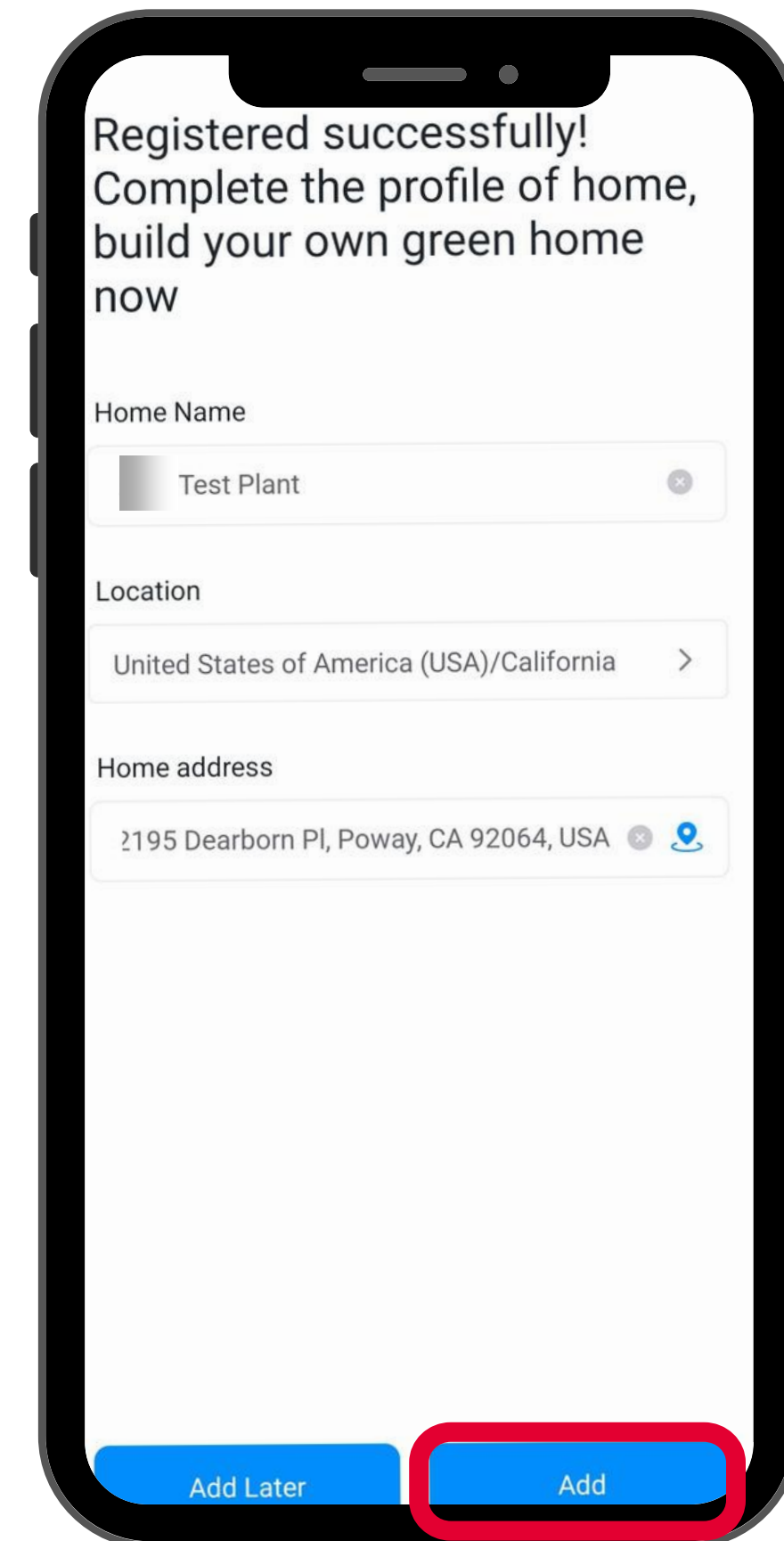
- Set a password
- Select Register



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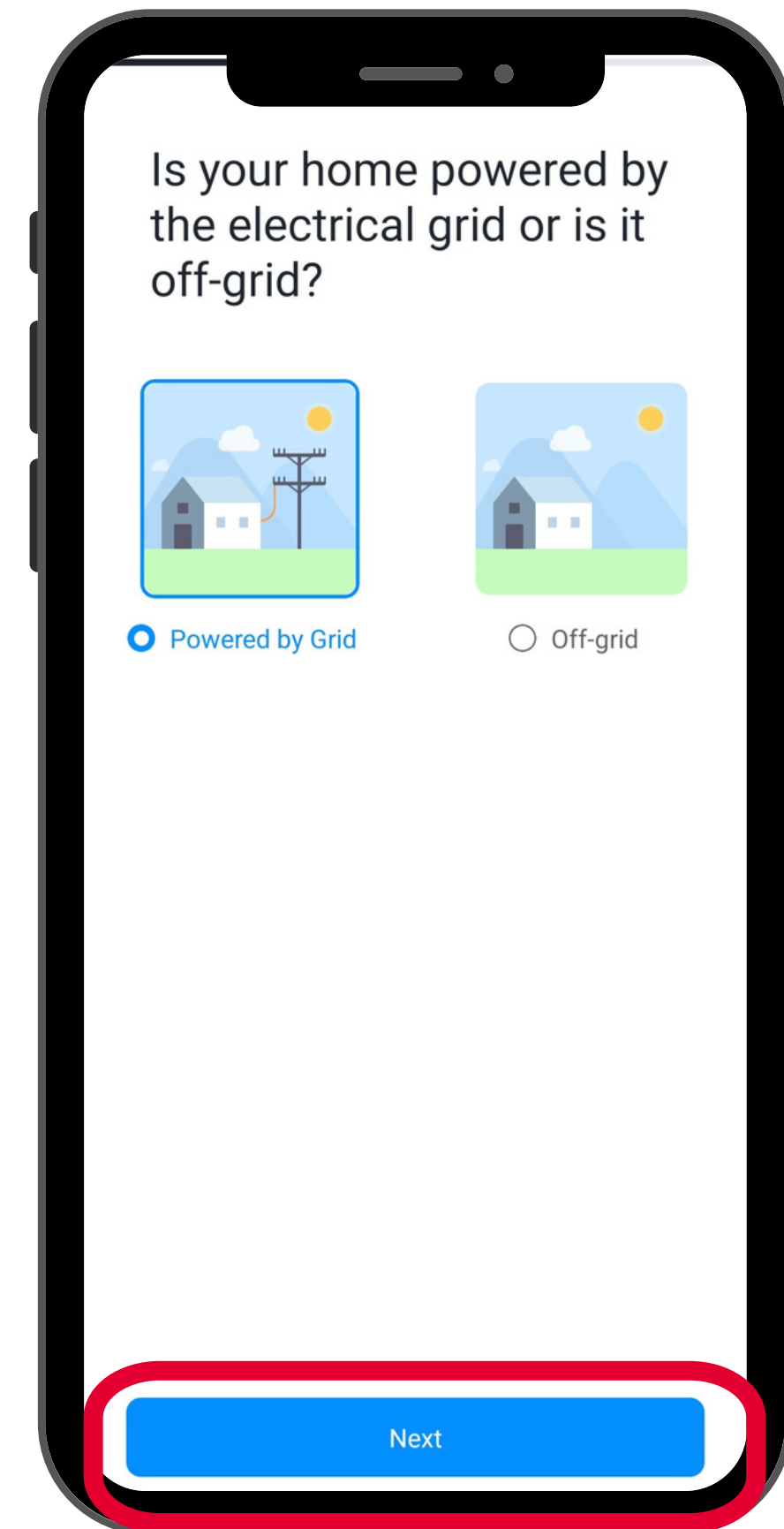
- A Register successfully! Prompt should appear.
- Select Add



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- Answer the prompts and select Next




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Solarman SMART

- Answer the prompts and select Next


Is your home using solar panels for electricity generation?




☐ No solar panels installed



☒ Yes, for self-consumption and feed-in to the grid



☐ Yes, only for feed-in to the grid



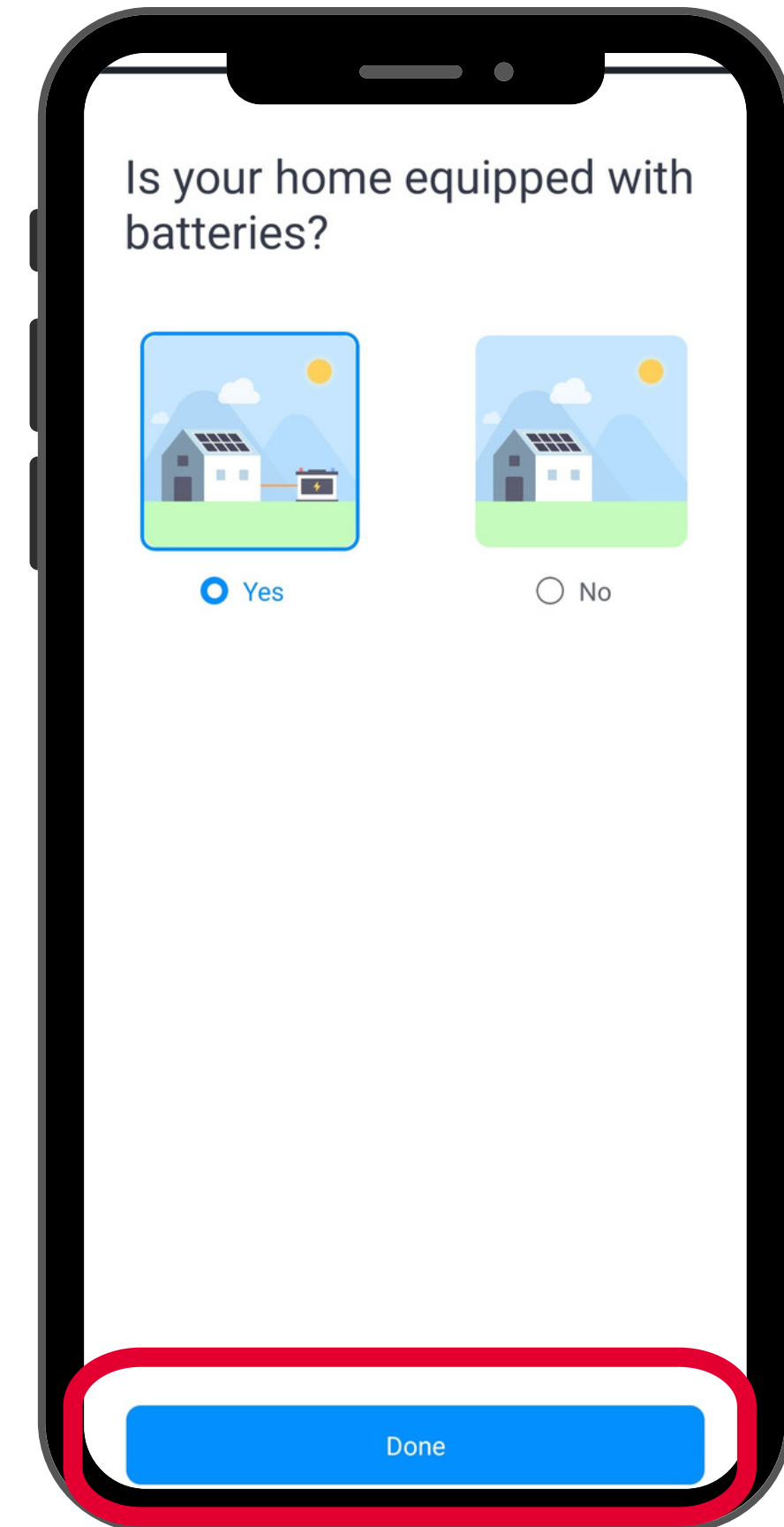
☐ Yes, only for self-consumption

Next

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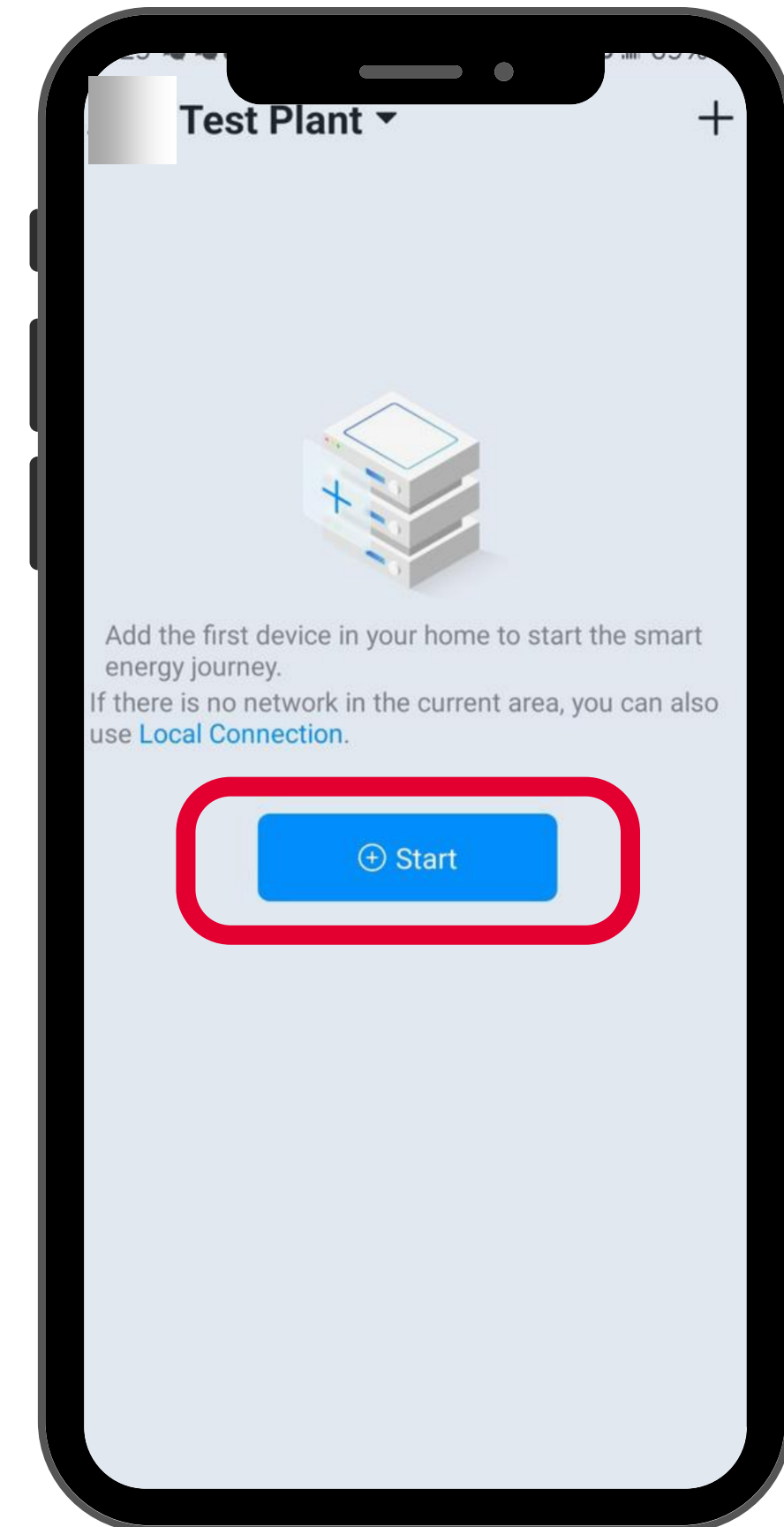
- Answer the prompts and select Done



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Solarman SMART

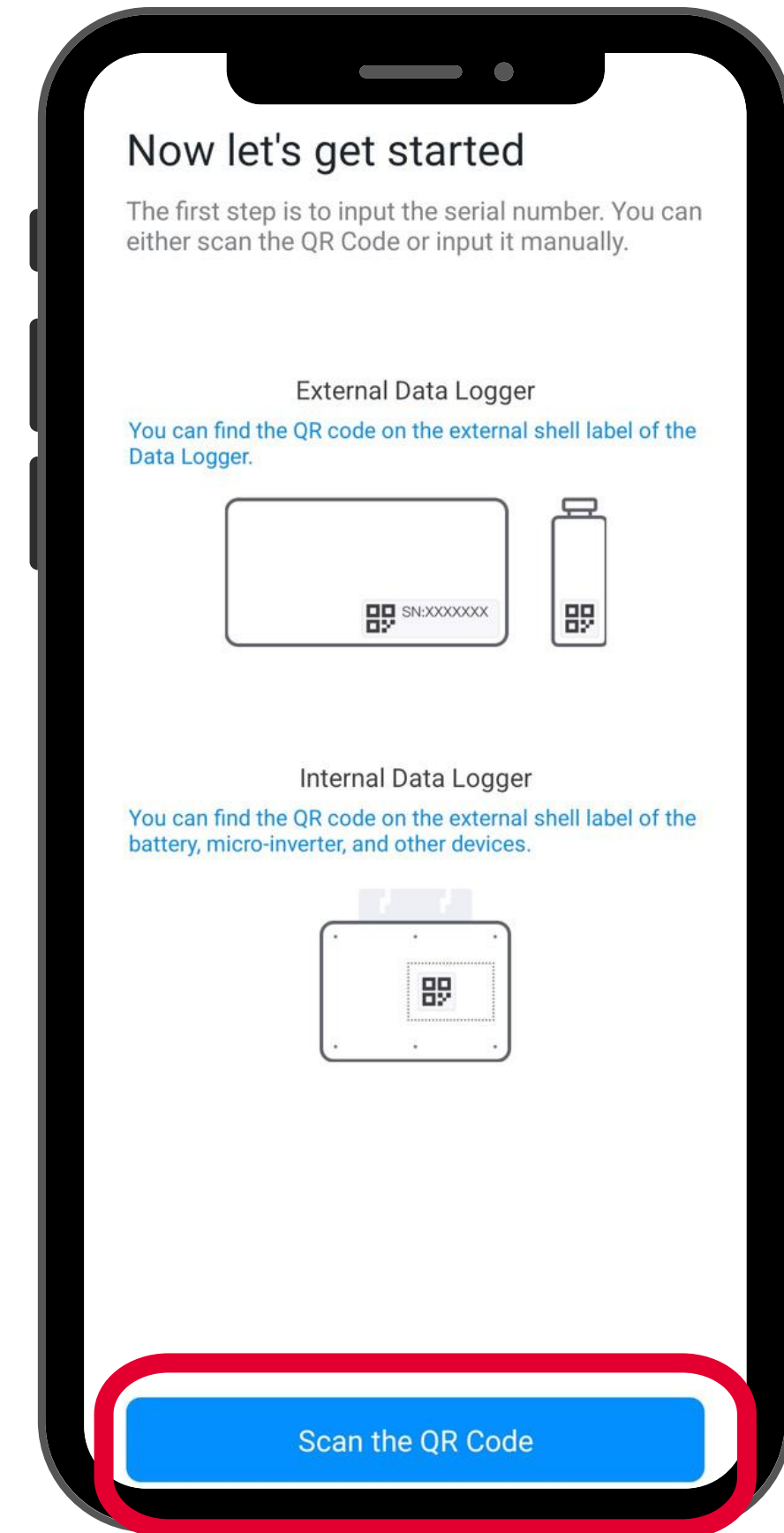
- The Plant has been created
- Select Start



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Solarman SMART

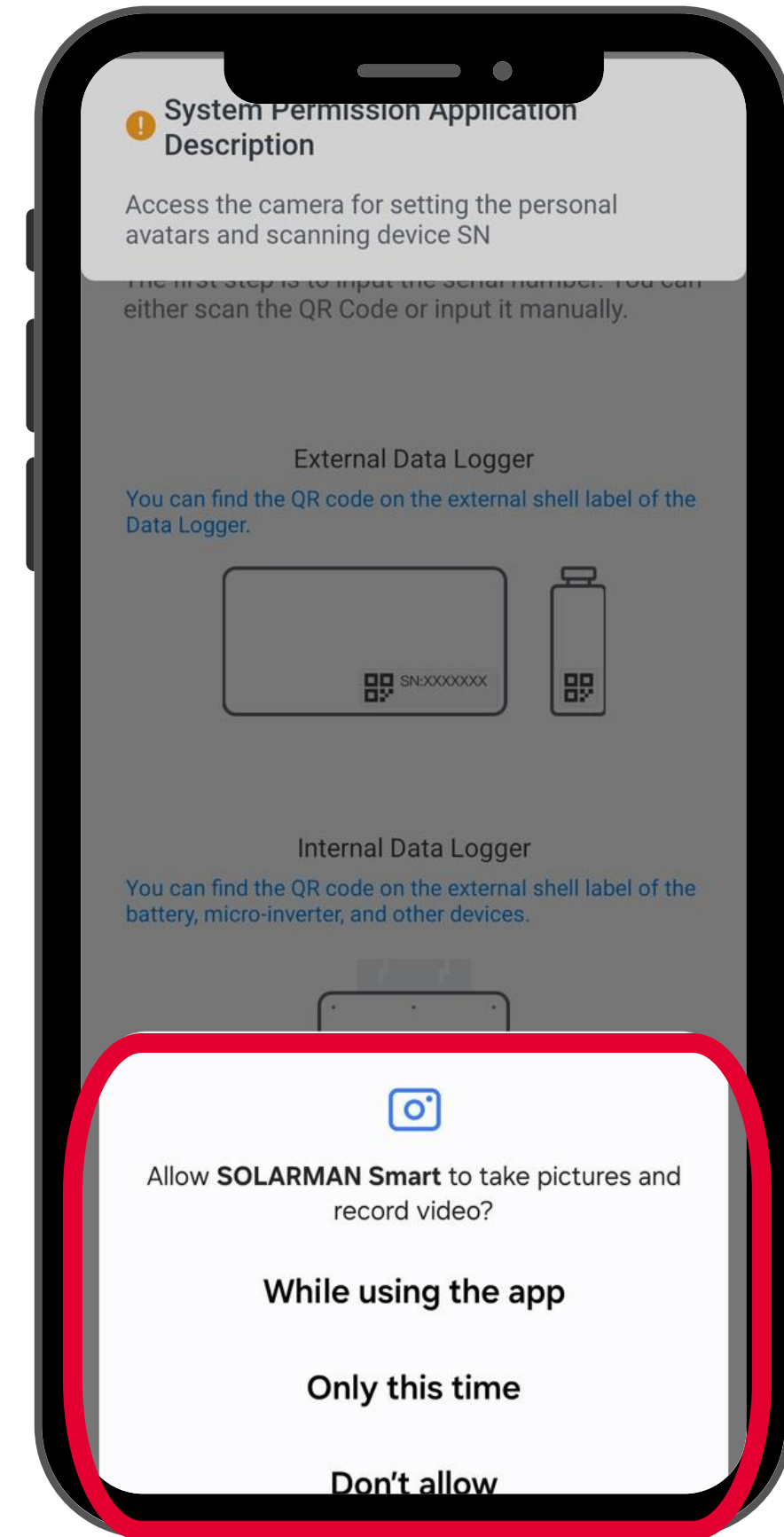
- Add Data Logger
- Scan the QR Code



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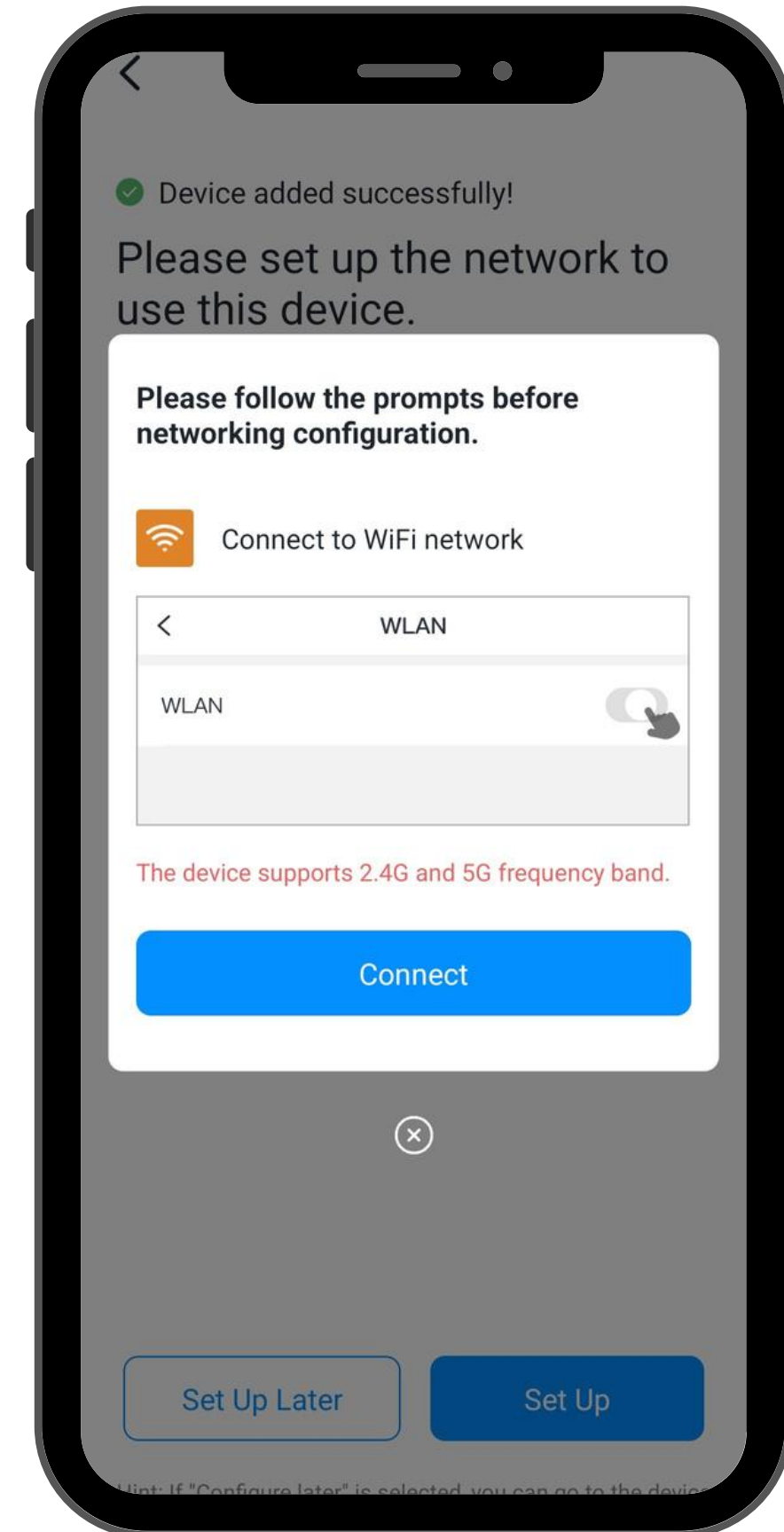
- Grant Access based on preference



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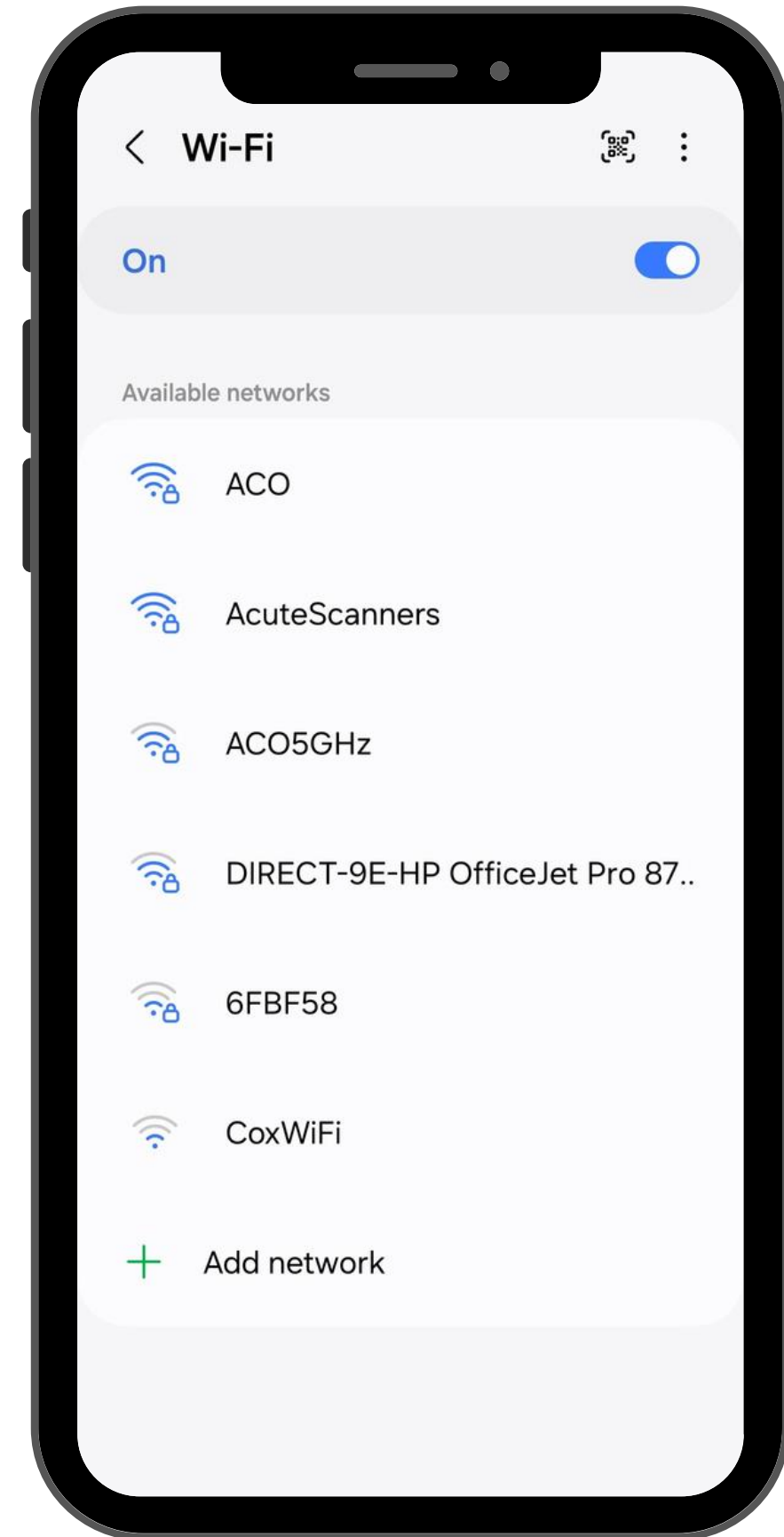
- Connect to the Homeowner's WiFi



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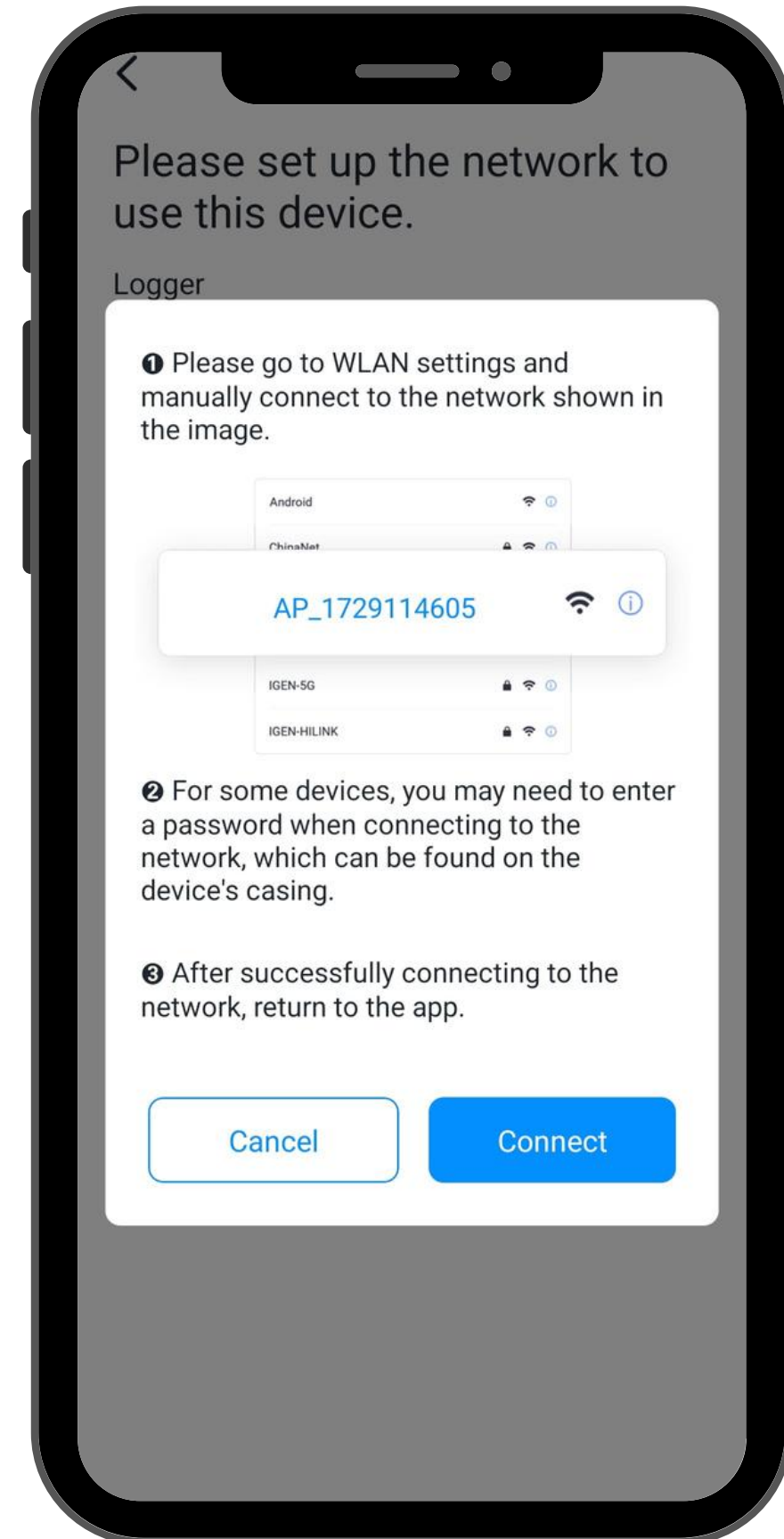
- It will open the cell phone WiFi settings.
- Connect to the homeowner's WiFi settings.
- Return to the Solarman SMART app.



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Solarman SMART

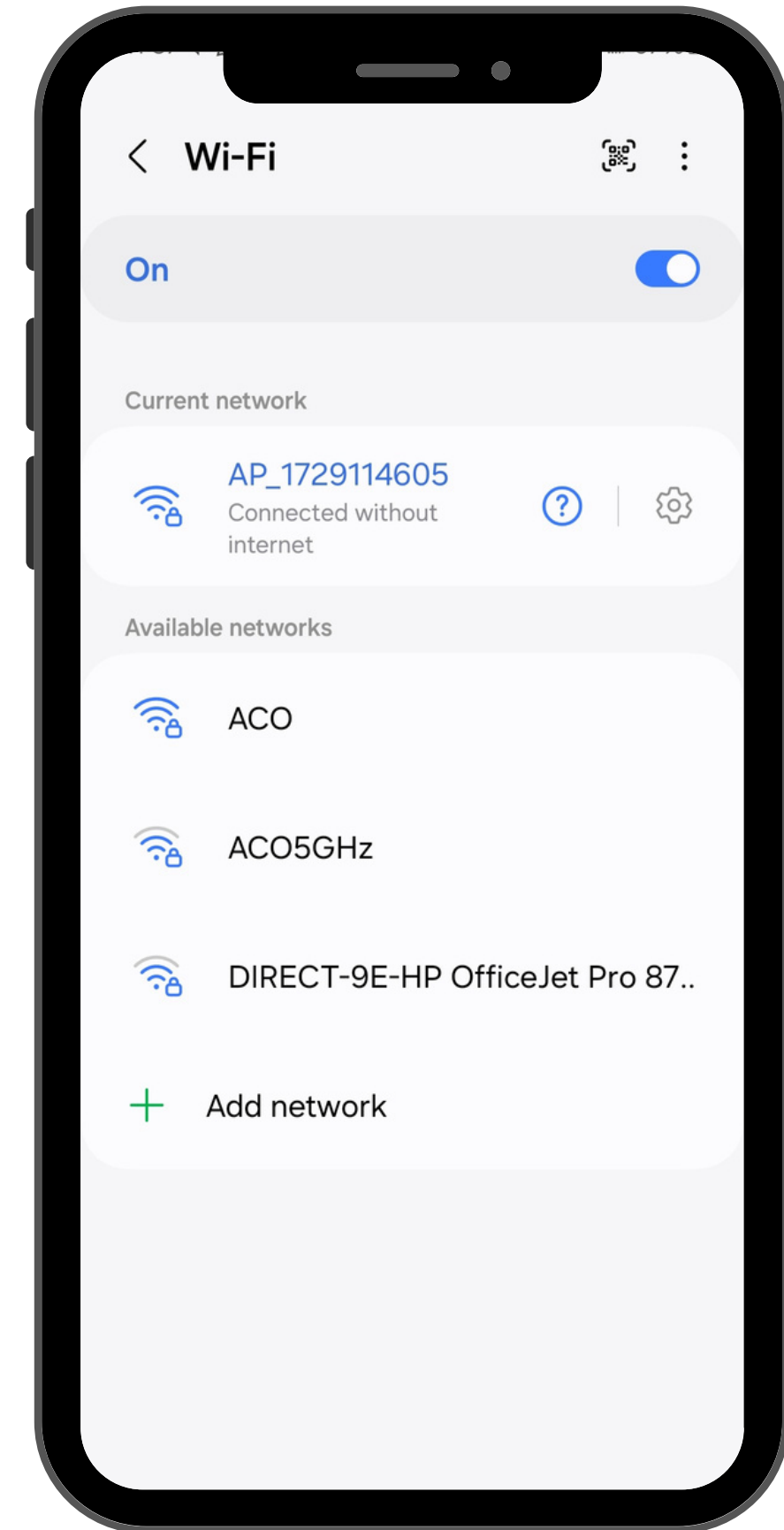
- The app will request connecting to the DataLogger.
- Select Connect.



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Solarman SMART

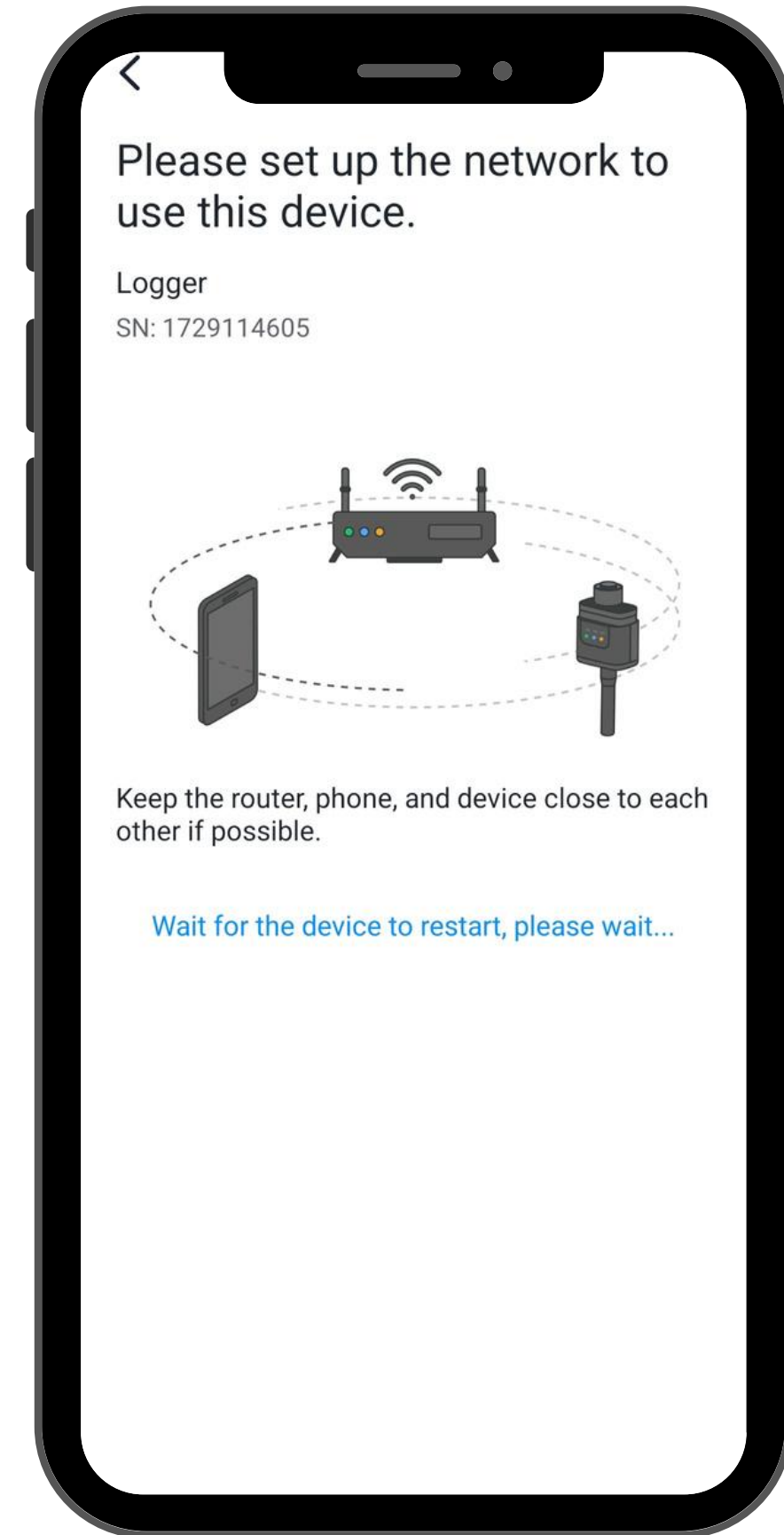
- Open the Cell Phone WiFi settings.
- Select the AP_loggerserialnumber.
- Enter password, if it was not scanned with QR Code.
- It will connect and my provide the message “Connected without internet”
- Return to the Solarman SMART app.



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Solarman SMART

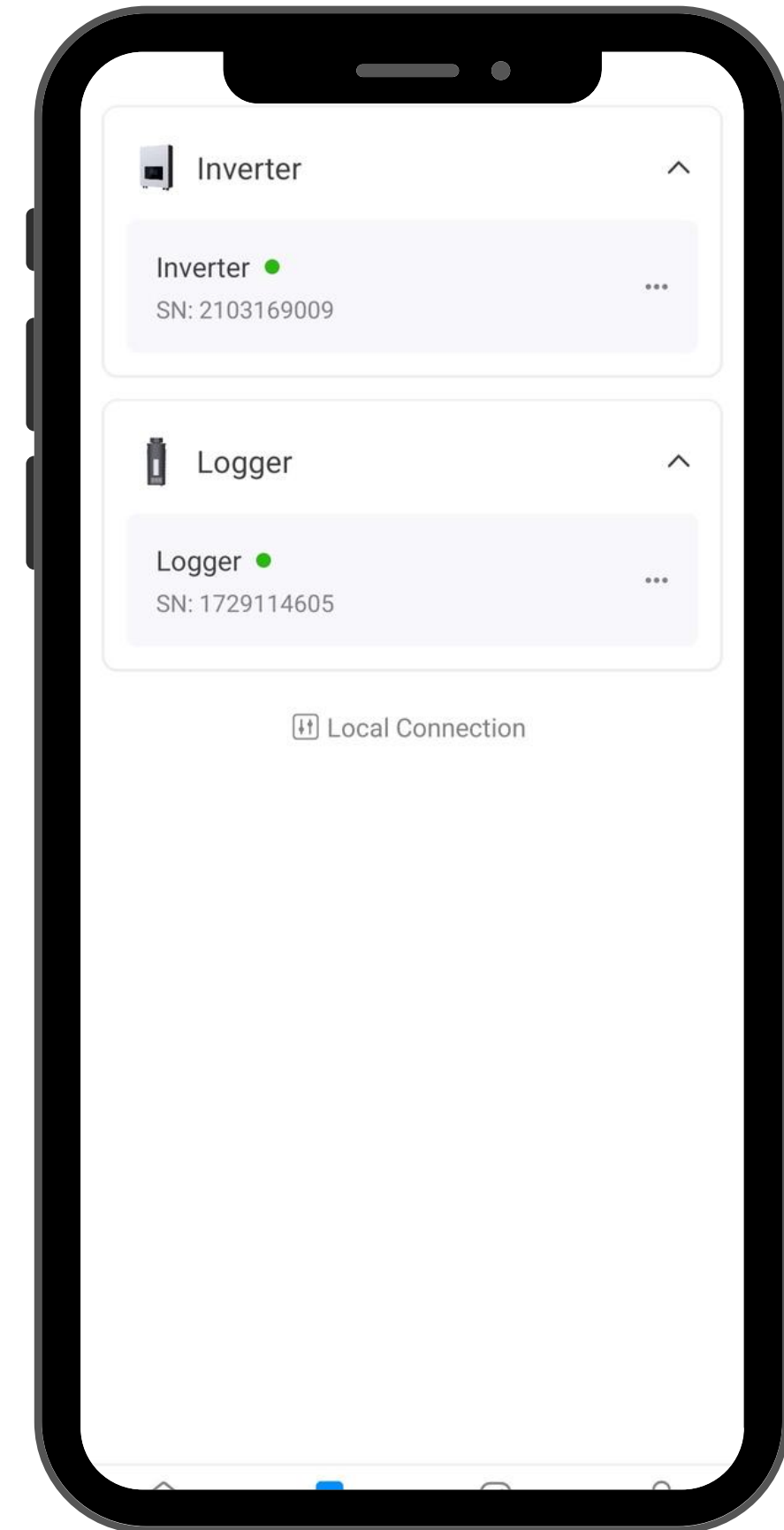
- The app should start automatically connecting.



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Solarman SMART

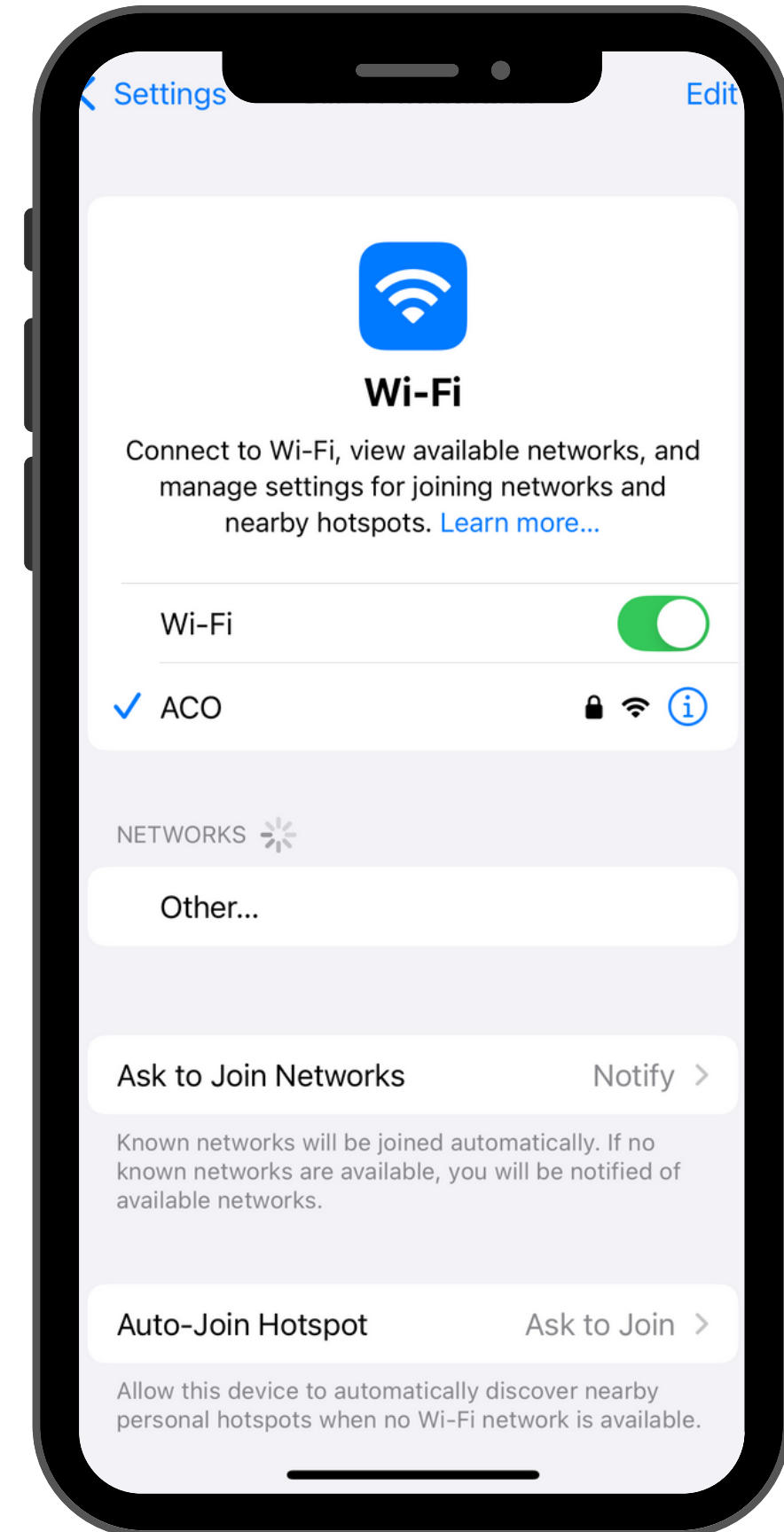
- Once complete, the inverter and logger should be visible on the plant.



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Create a Plant

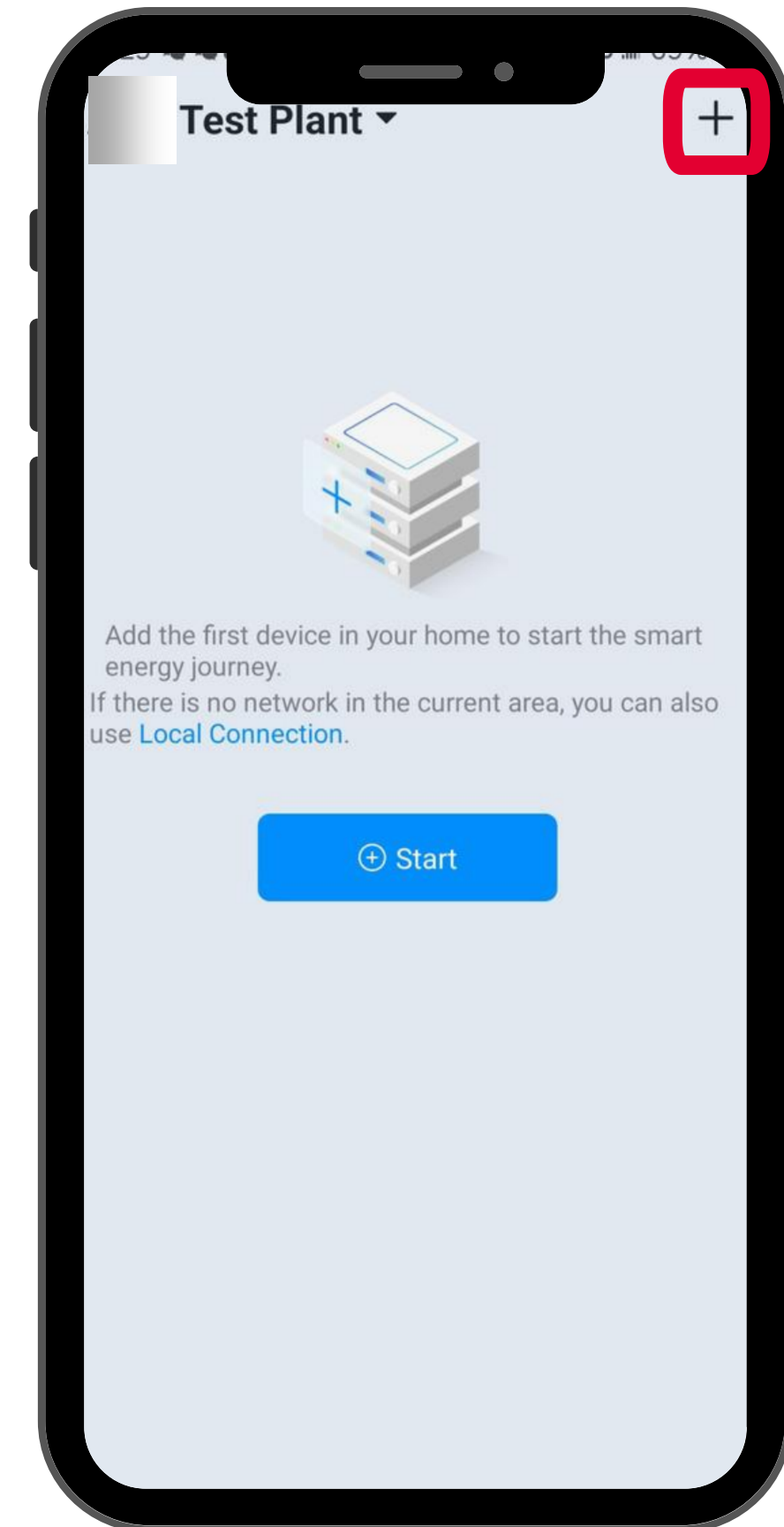
- After it has successfully connected, please return to the cellphone settings and change the WiFi from the logger.



NEOVOLTA™

Solarman SMART

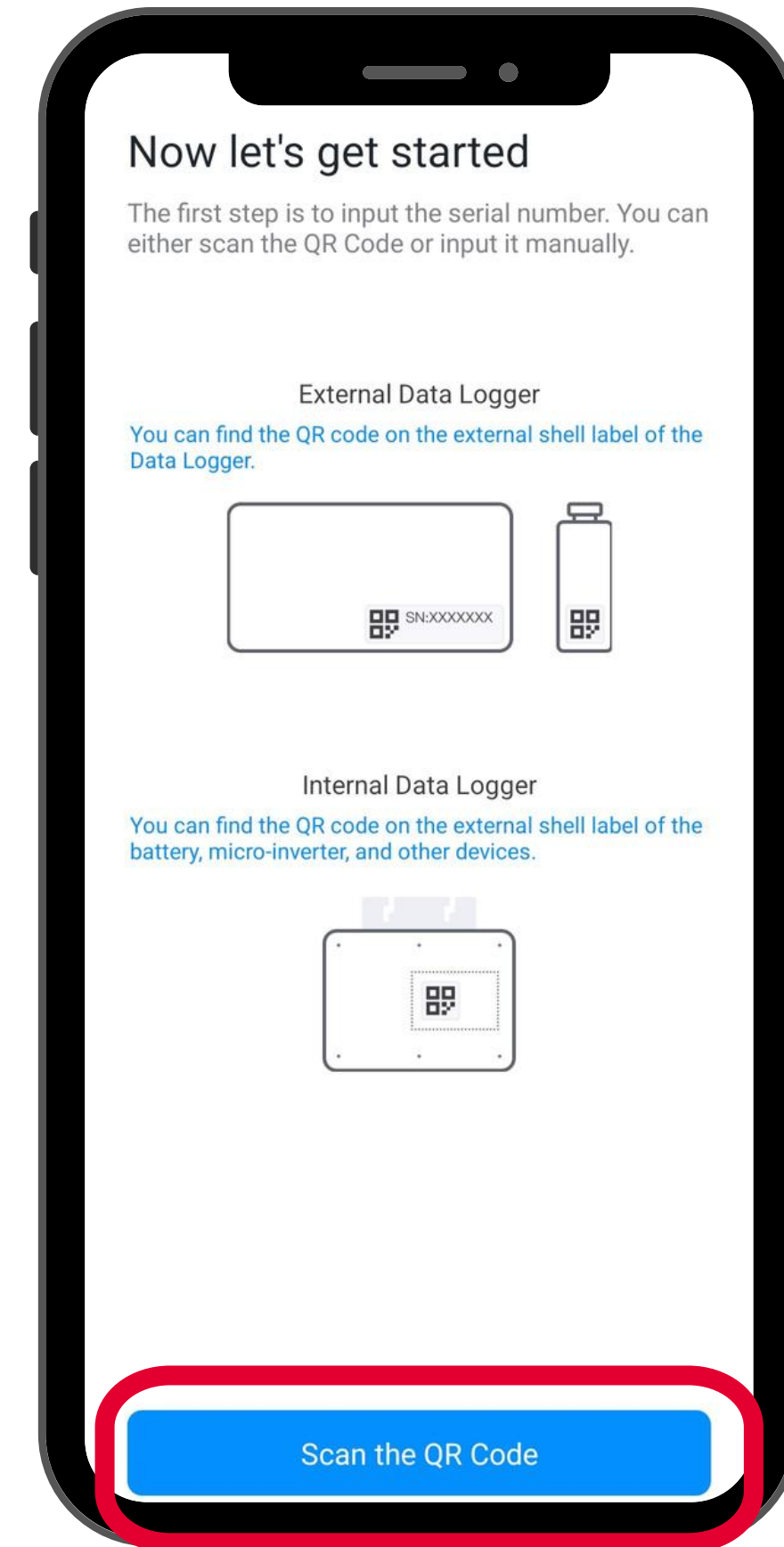
- Add slave device, by selecting “+”
- Select “Add Device”



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Solarman SMART




- It will prompt to add Data Logger
- Scan the QR Code
- Repeat the same steps



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Solarman Smart Settings for Parallel Inverters

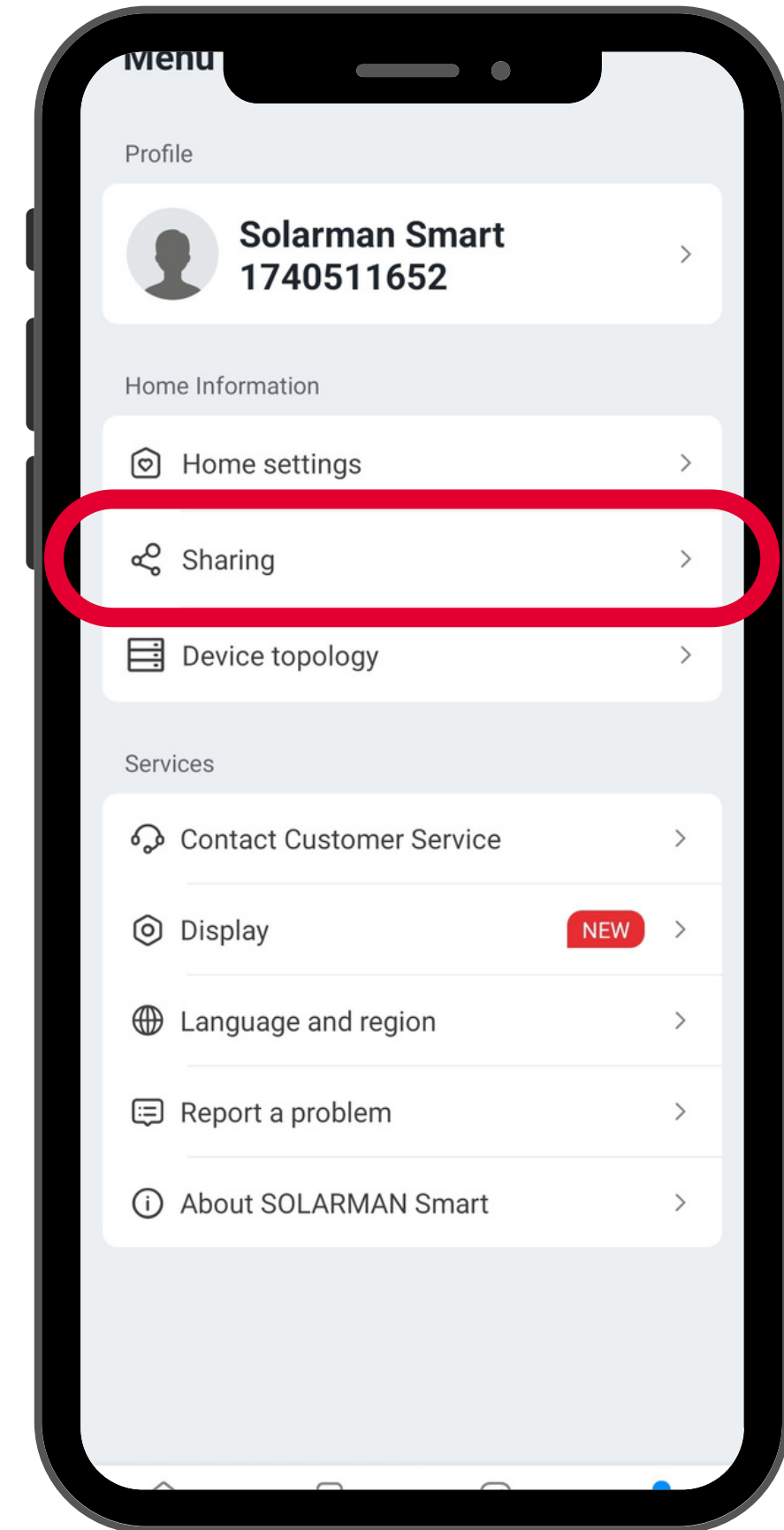
Label as Primary (Master)
and Secondary (Slave)
accordingly

Inverter		Logger
Name/SN 		Status
<input type="checkbox"/>	Master 2409286296	
<input type="checkbox"/>	Slave 2409286293	

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Solarman SMART

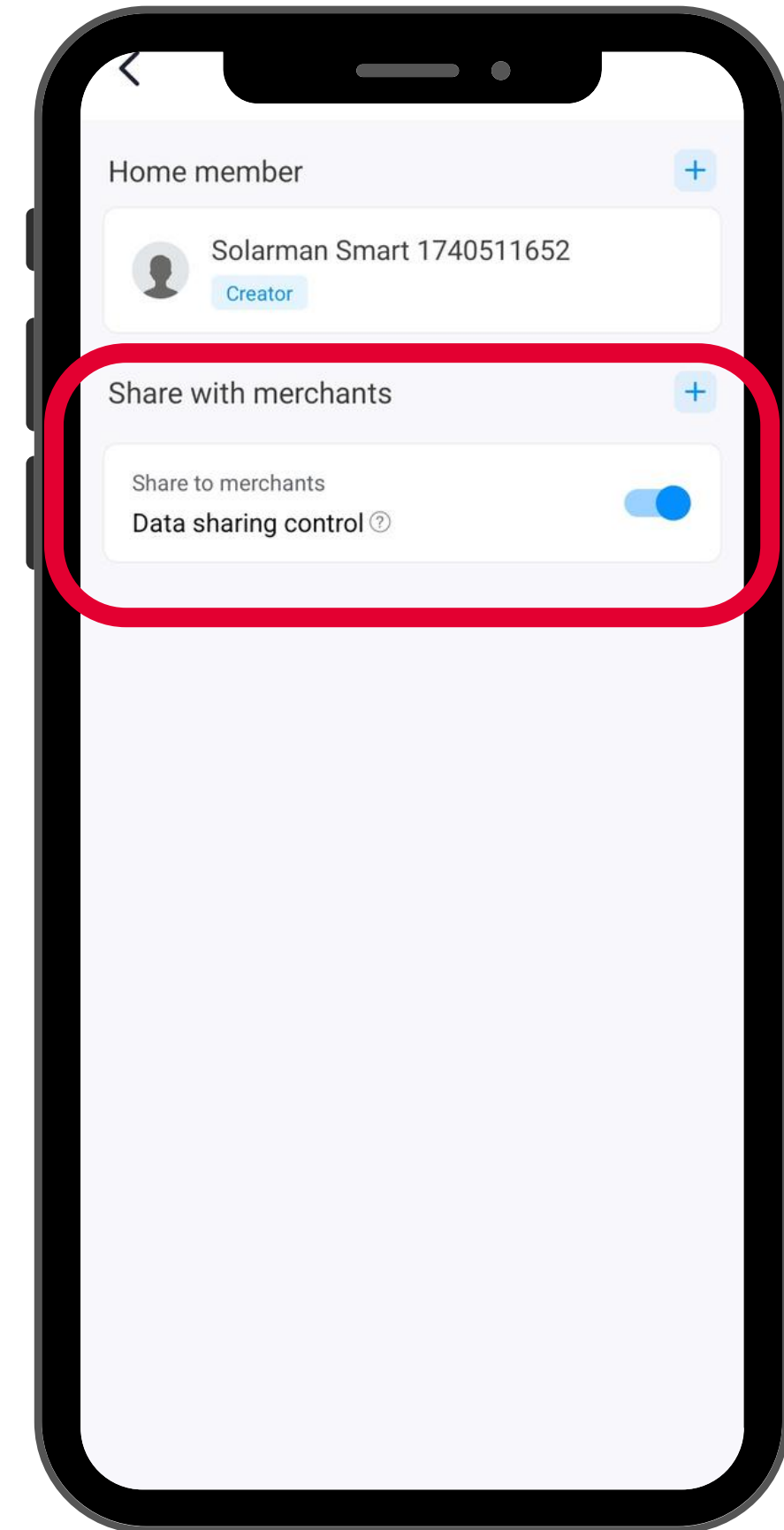
- Authorize NeoVolta and Installer
- Select Sharing



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Solarman SMART

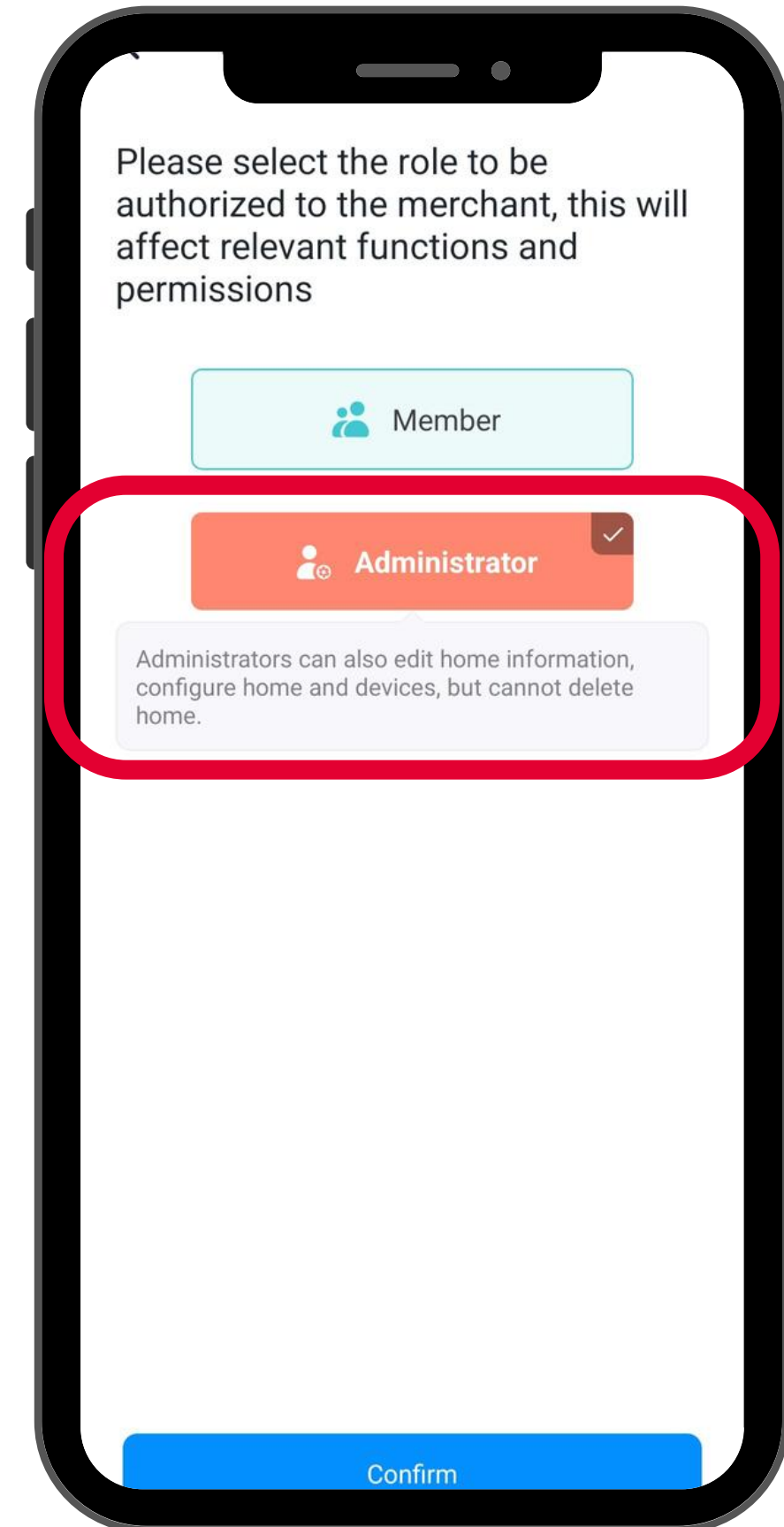
- Select Share with merchants



NEOVOLTA™

Solarman SMART

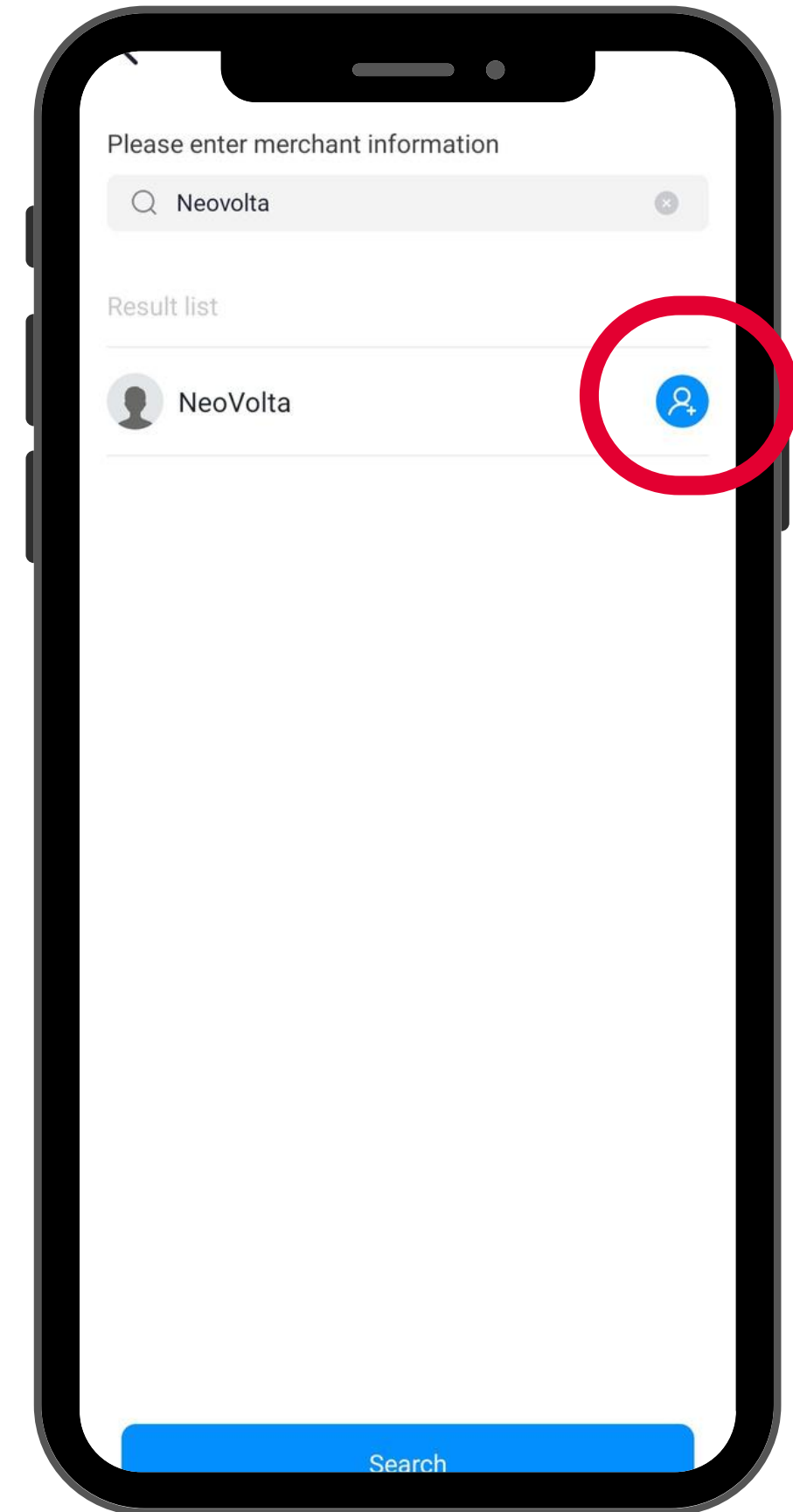
- Select Administrator



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Solarman SMART

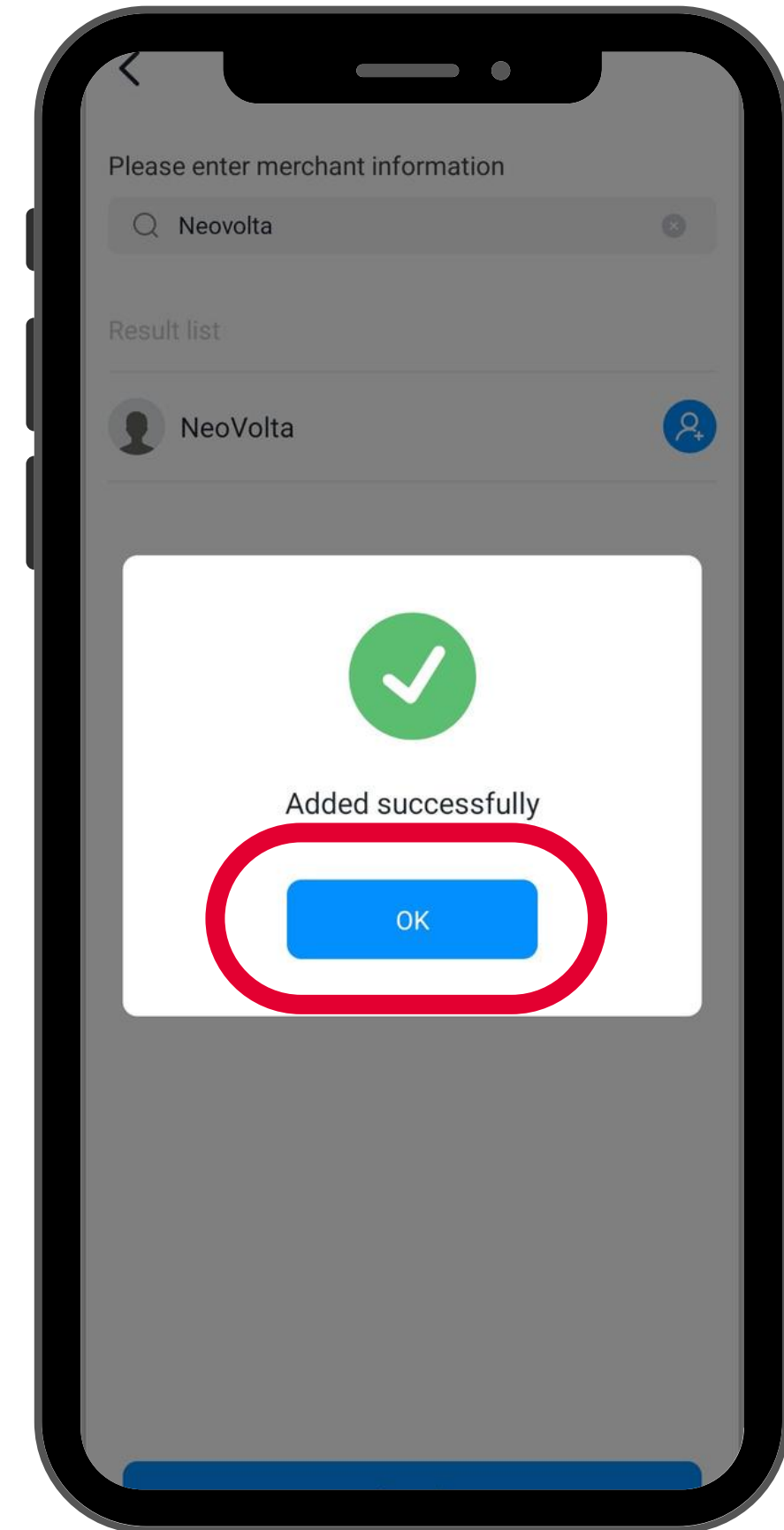
- Enter NeoVolta in the search box
- Click the add icon
- Select Search



NEOVOLTA™

Solarman SMART

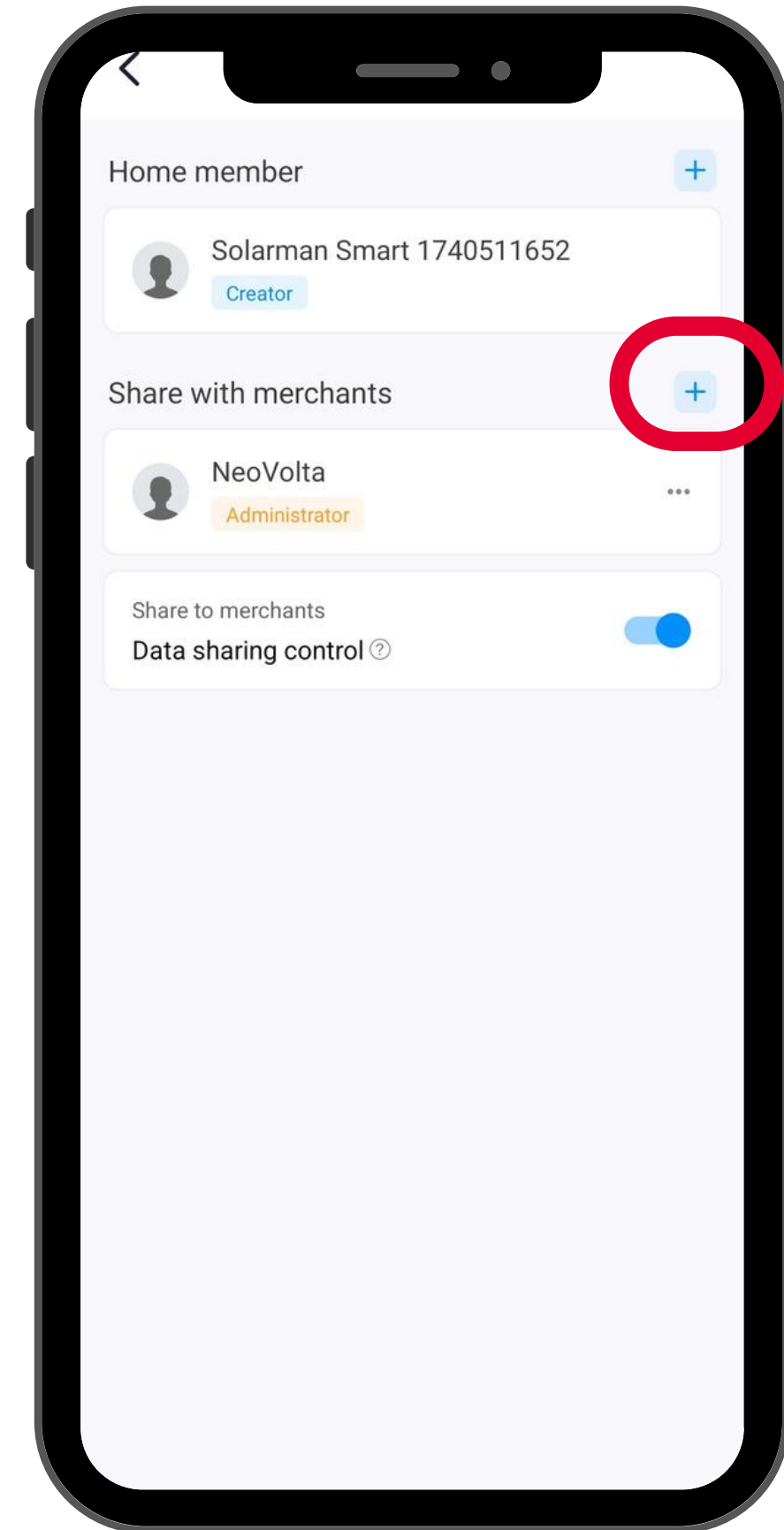
- The prompt “Added successfully” will appear.
- Select OK.



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Solarman SMART

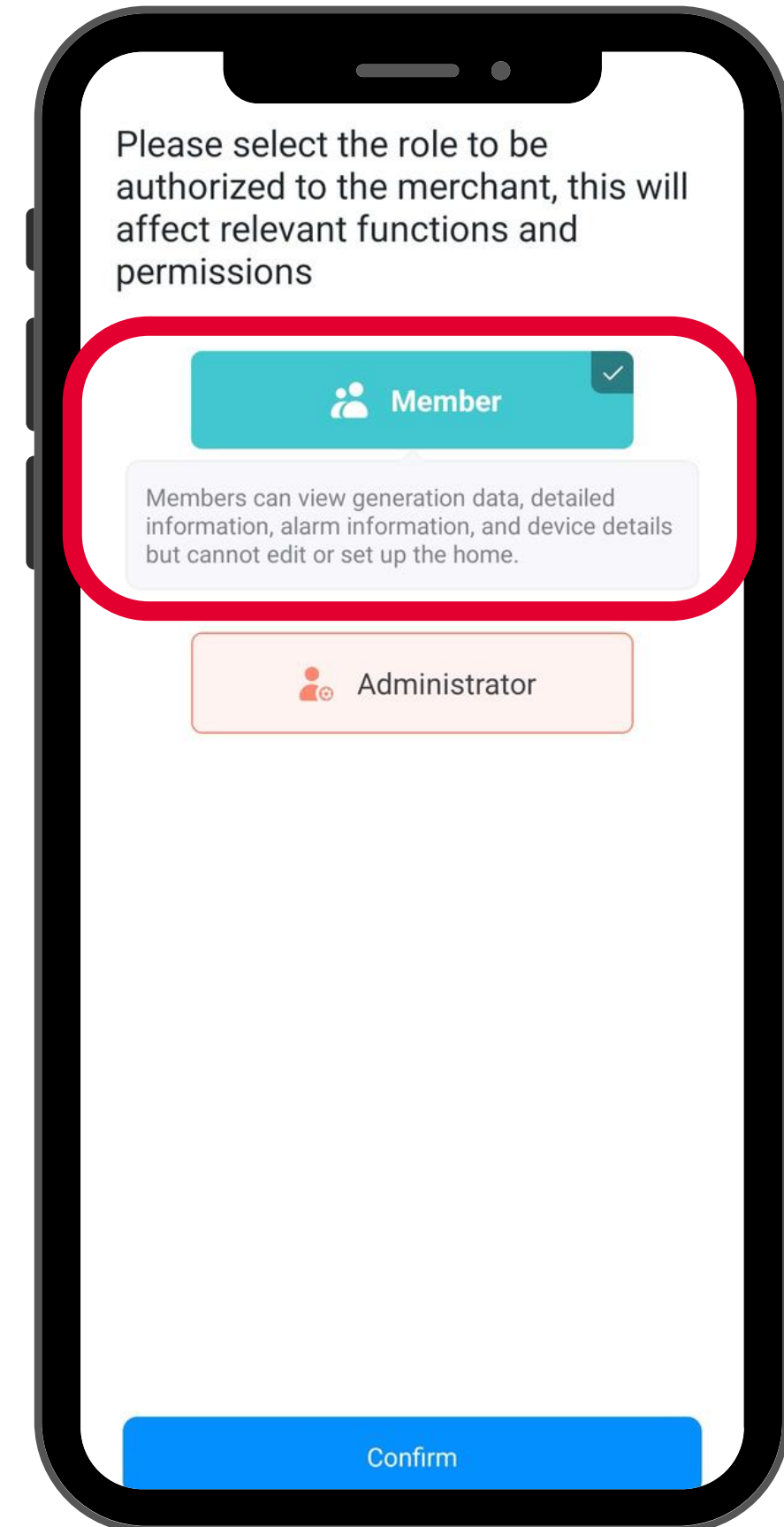
- Add the installer.
- Select “+” next to Share with merchants.



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Solarman SMART

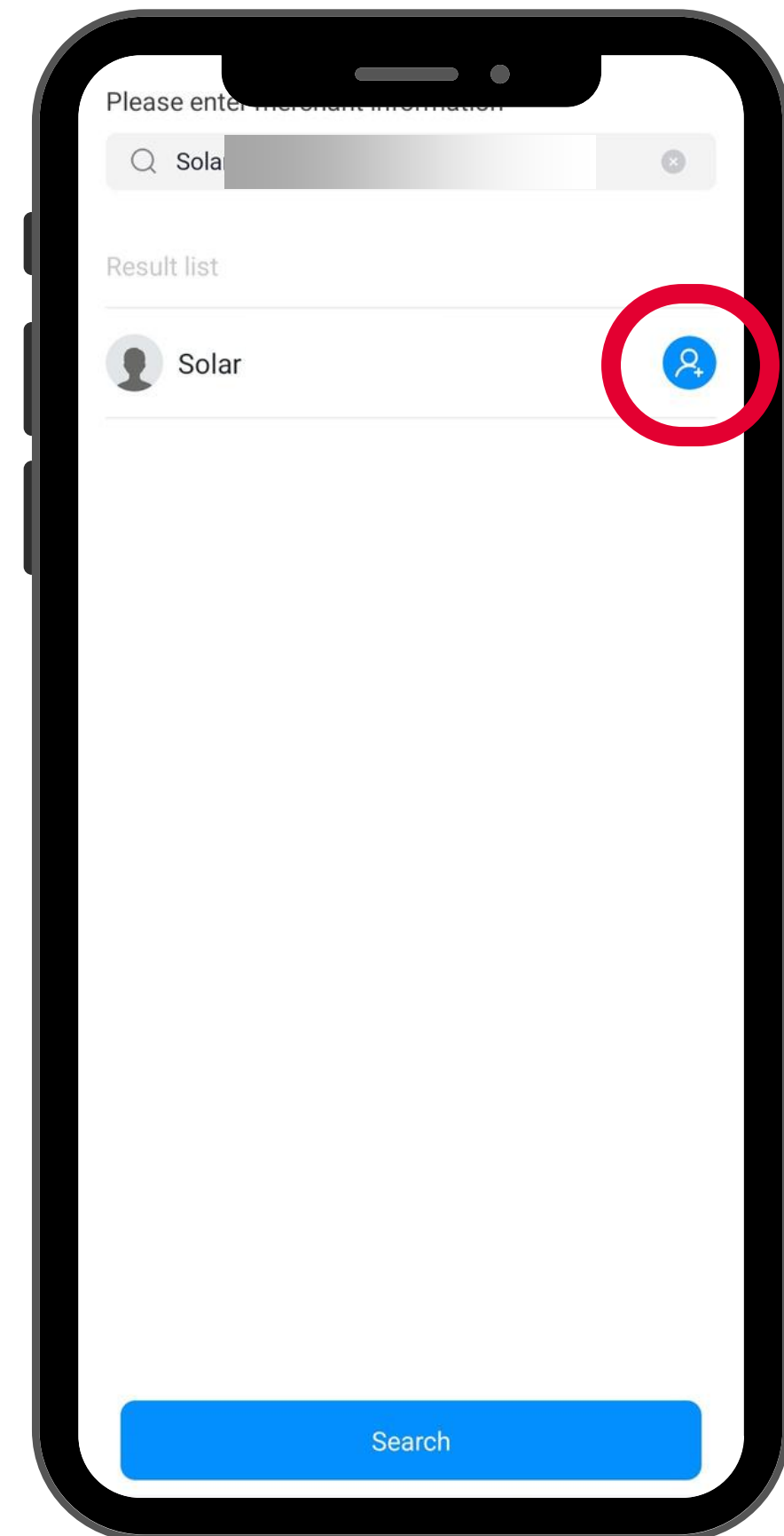
- Select Member.
- Select Confirm.



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Solarman SMART

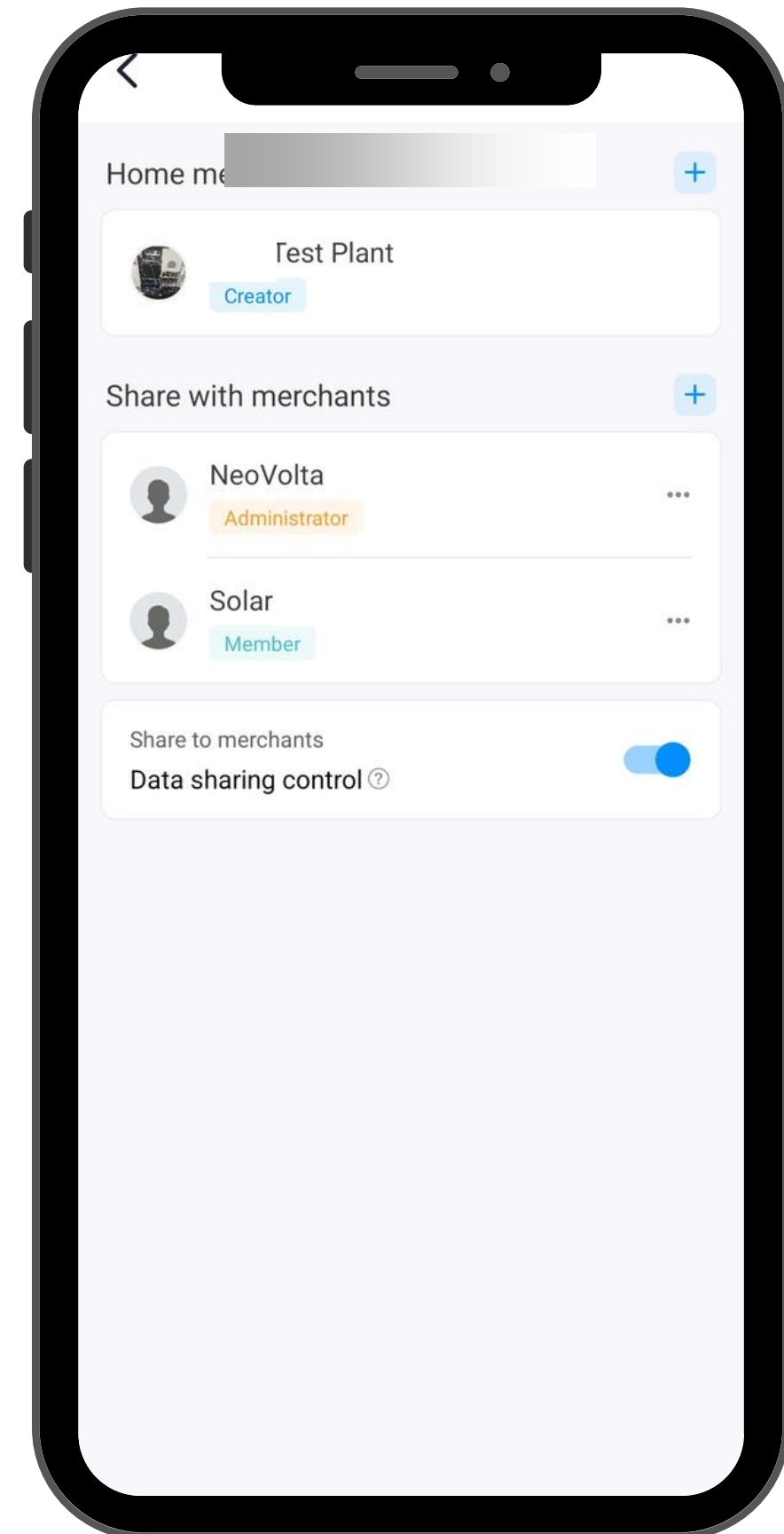
- Search for the installer.
- Click the add icon
- Select Search



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Solarman SMART

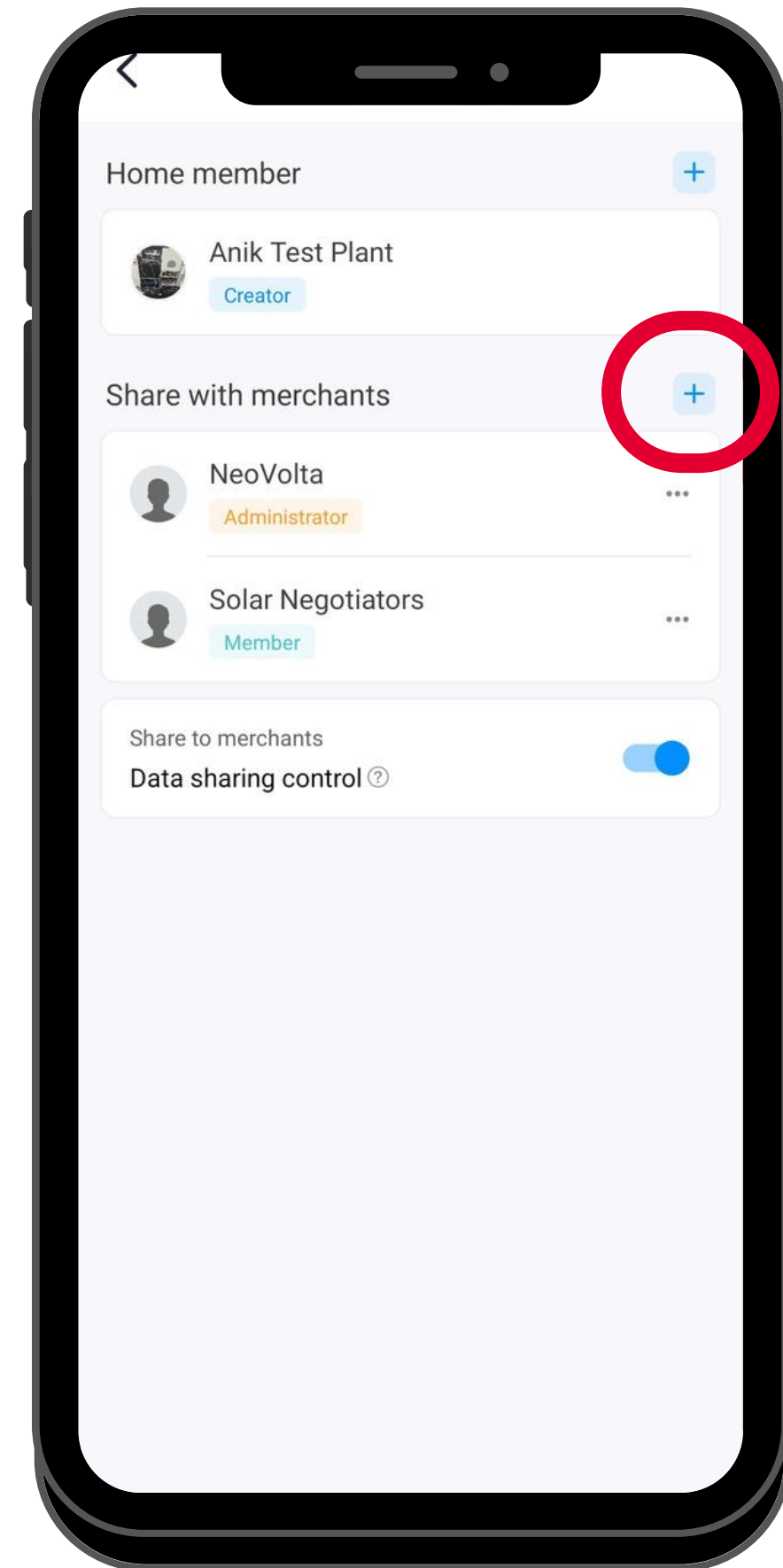
- The homeowner will be listed as the owner of the plant.
- NeoVolta and the installer have been granted access to remotely monitor the plant.



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Solarman SMART

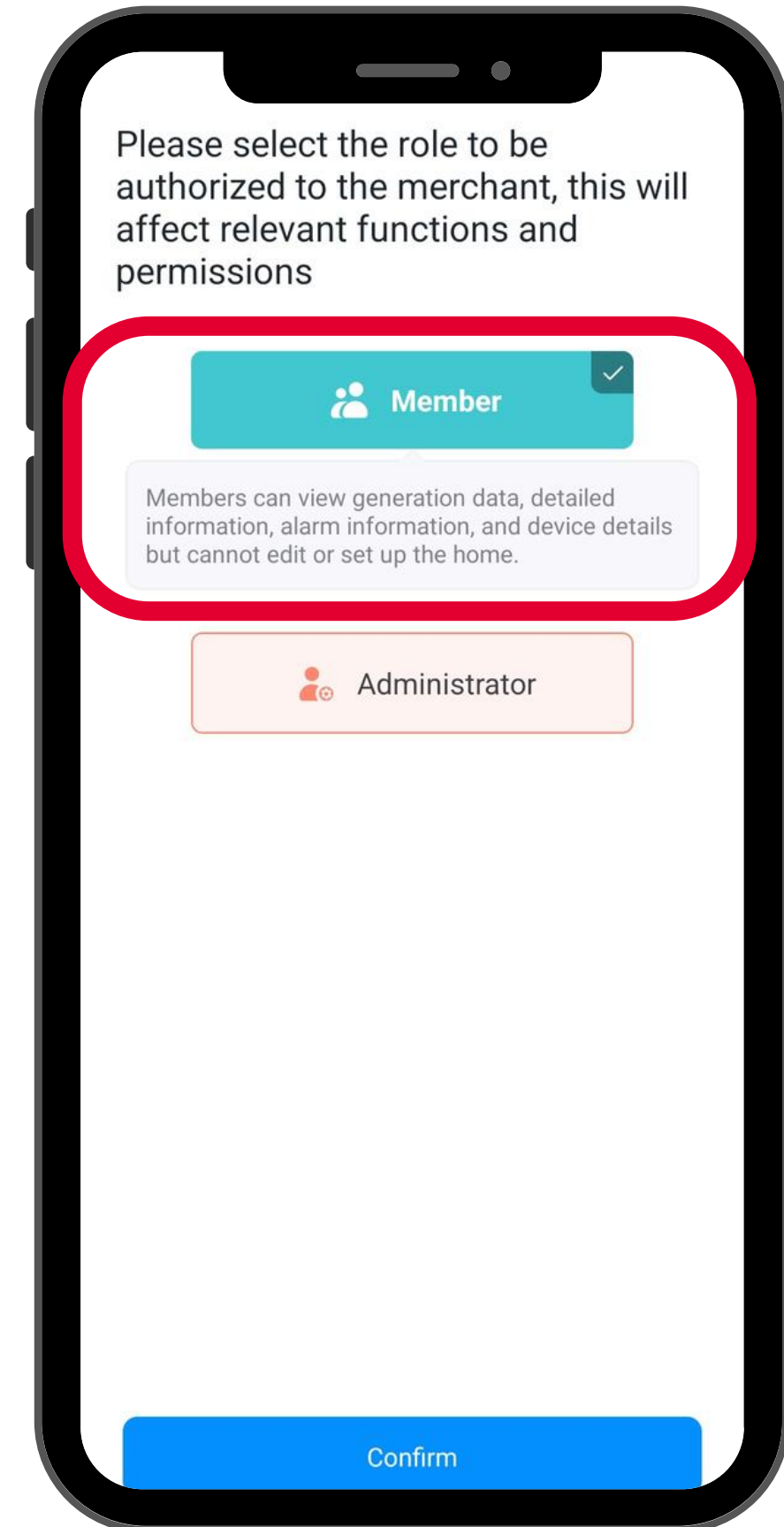
- If additional business third parties need to be added, for example, HDM, San Diego Community Power, etc.
- Select “+” next to Share with merchants.



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Solarman SMART

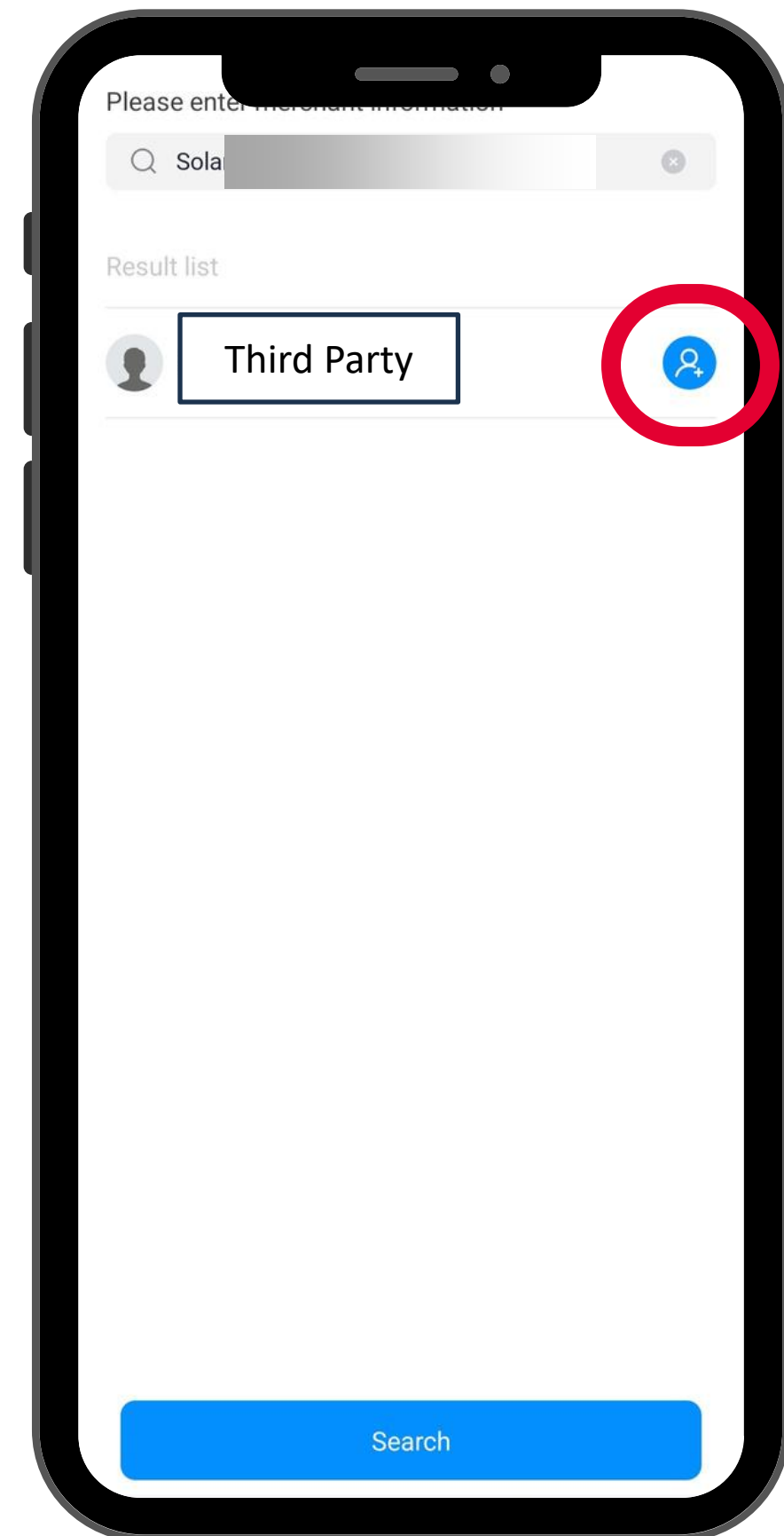
- Select Member.
- Select Confirm.



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Solarman SMART

- Search for the third party business.
- Click the add icon
- Select Search

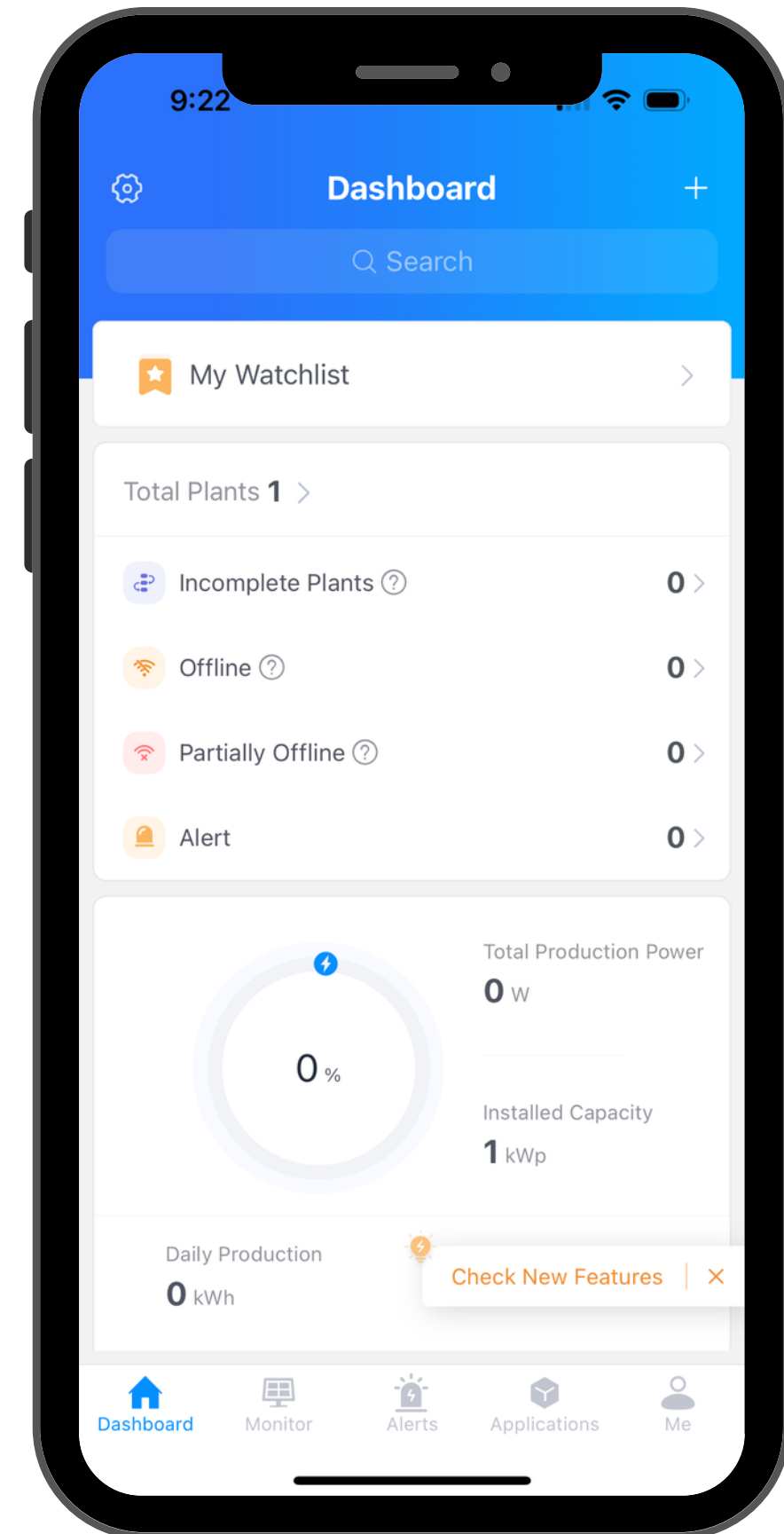


NEOVOLTA™

Complete

Dashboard

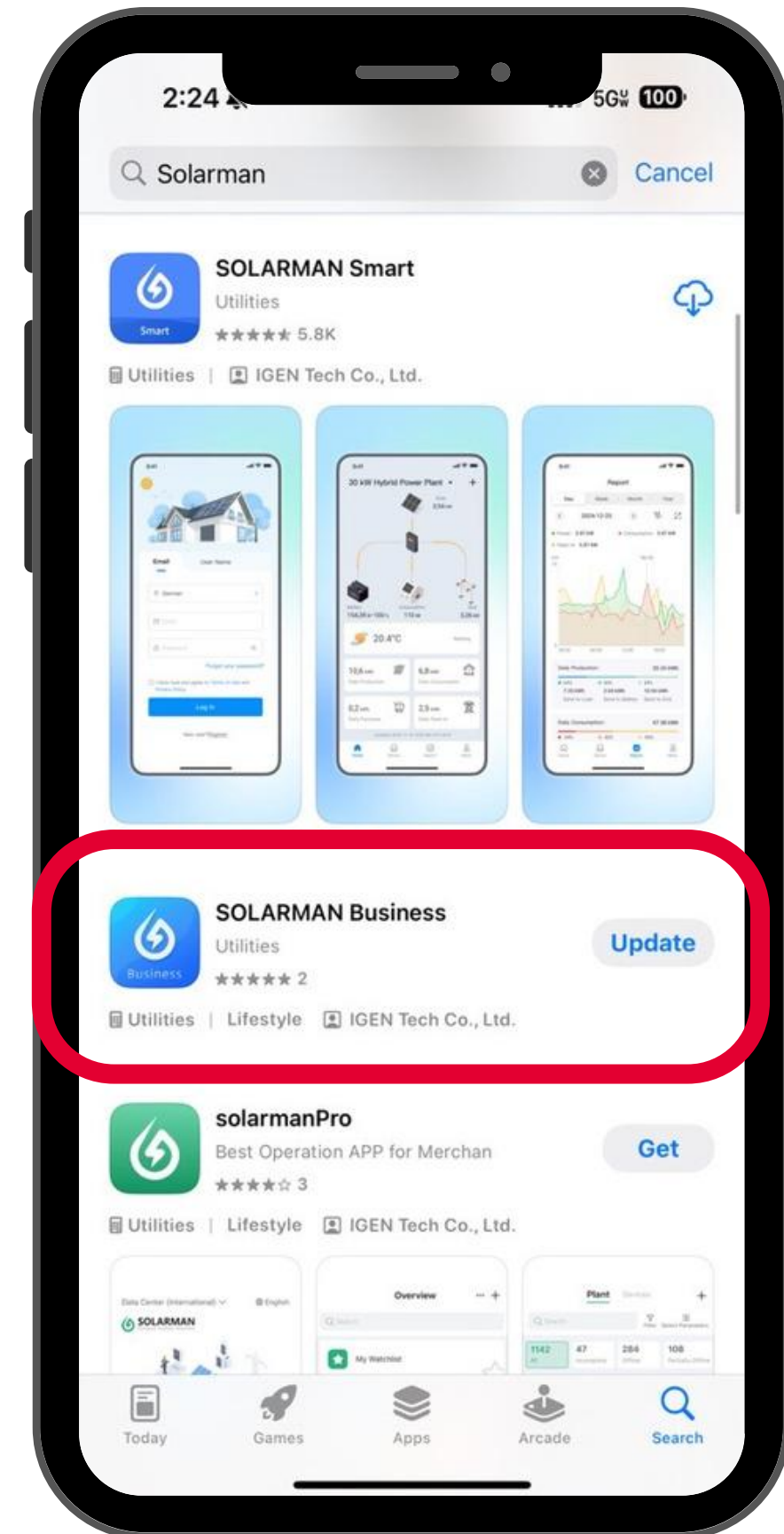
- 1 Plant now displays



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Commission Using Solarman Business

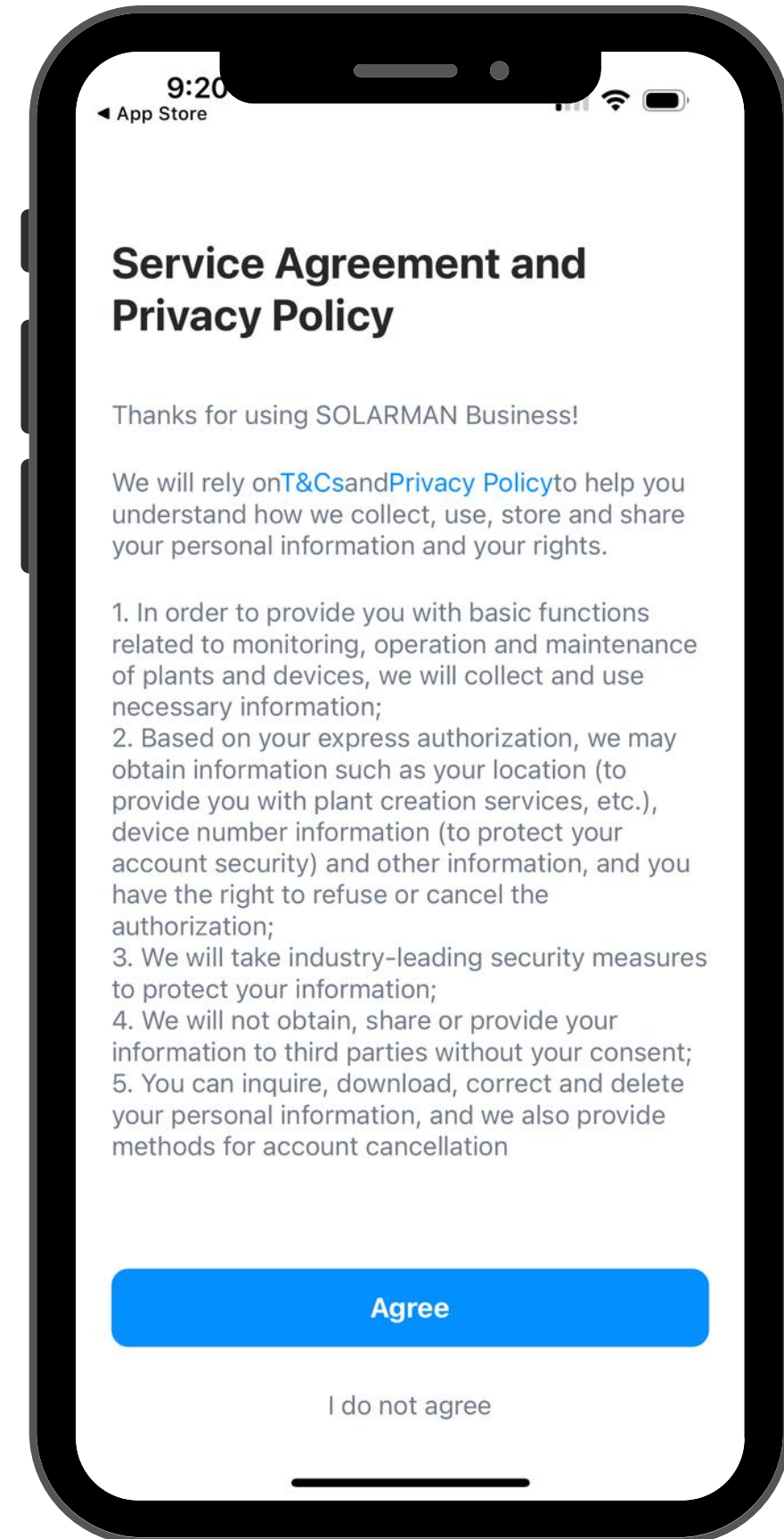
- Solarman Business –
Installer



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Service Agreement and Privacy Policy

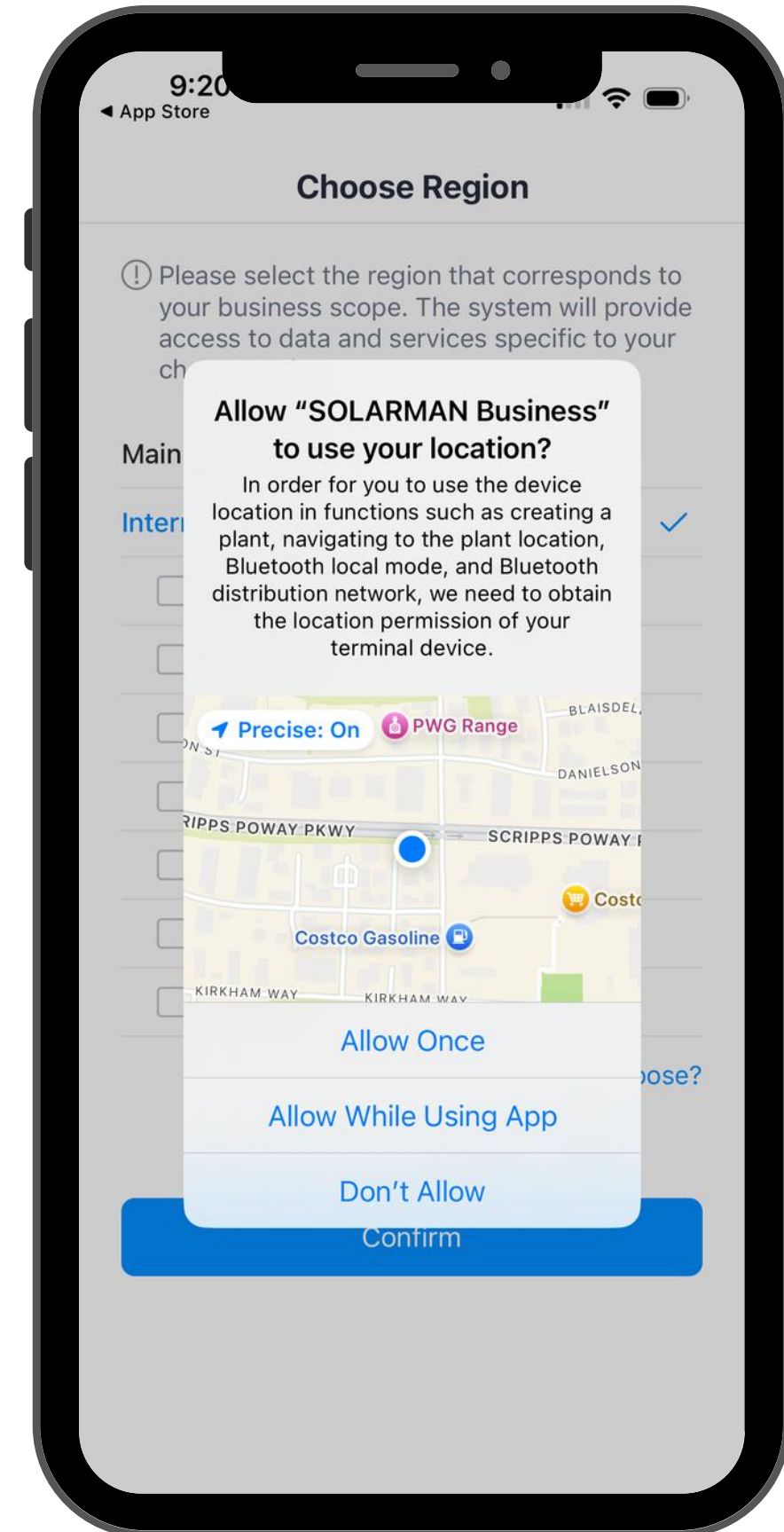
- Please read
- Once you have read, select the blue 'Agree' button



NEOVOLTA™

Solarman Business App

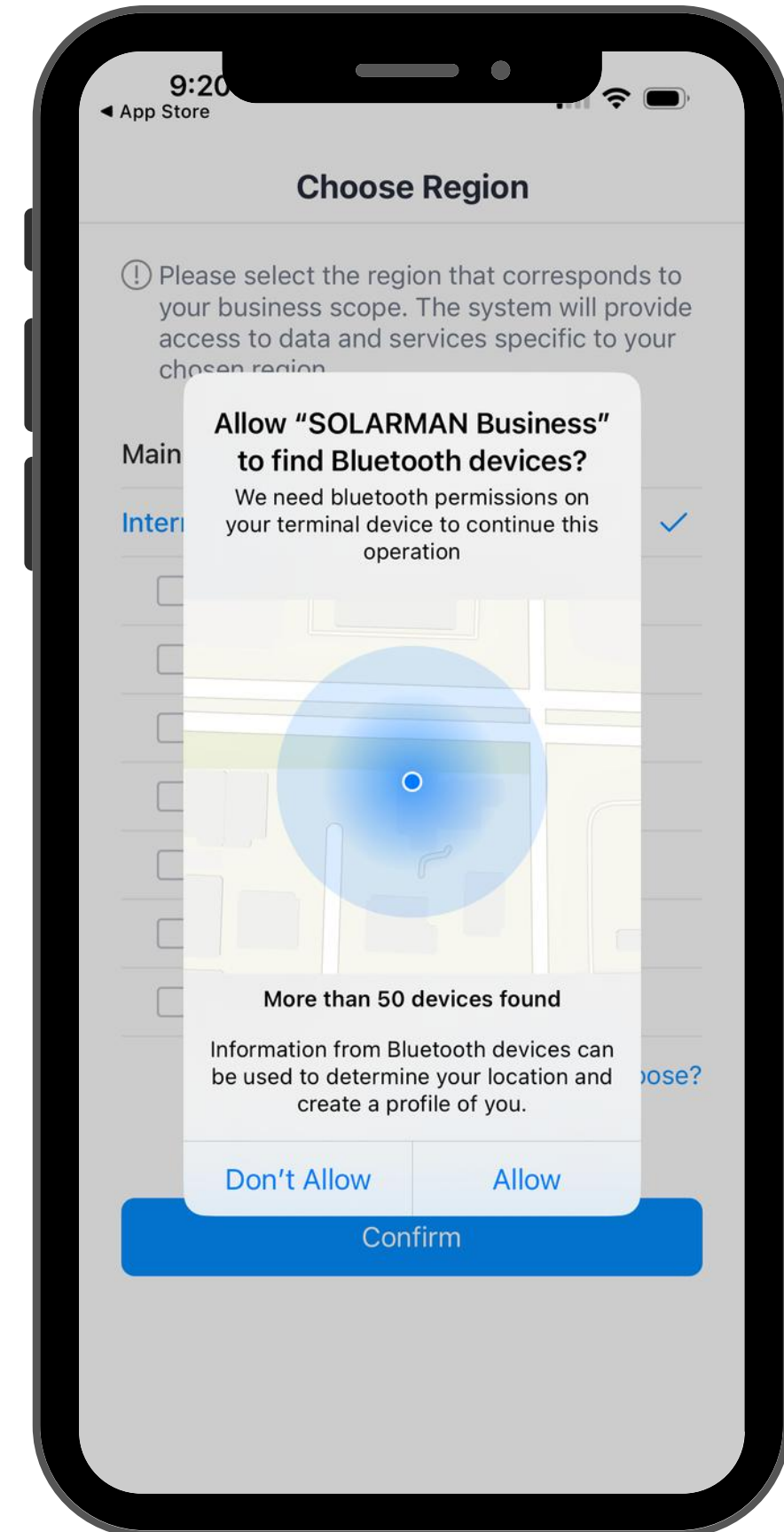
- App will request to you use your location
- Grant access based on preference.
- This will help find the install address faster.



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Solarman Business

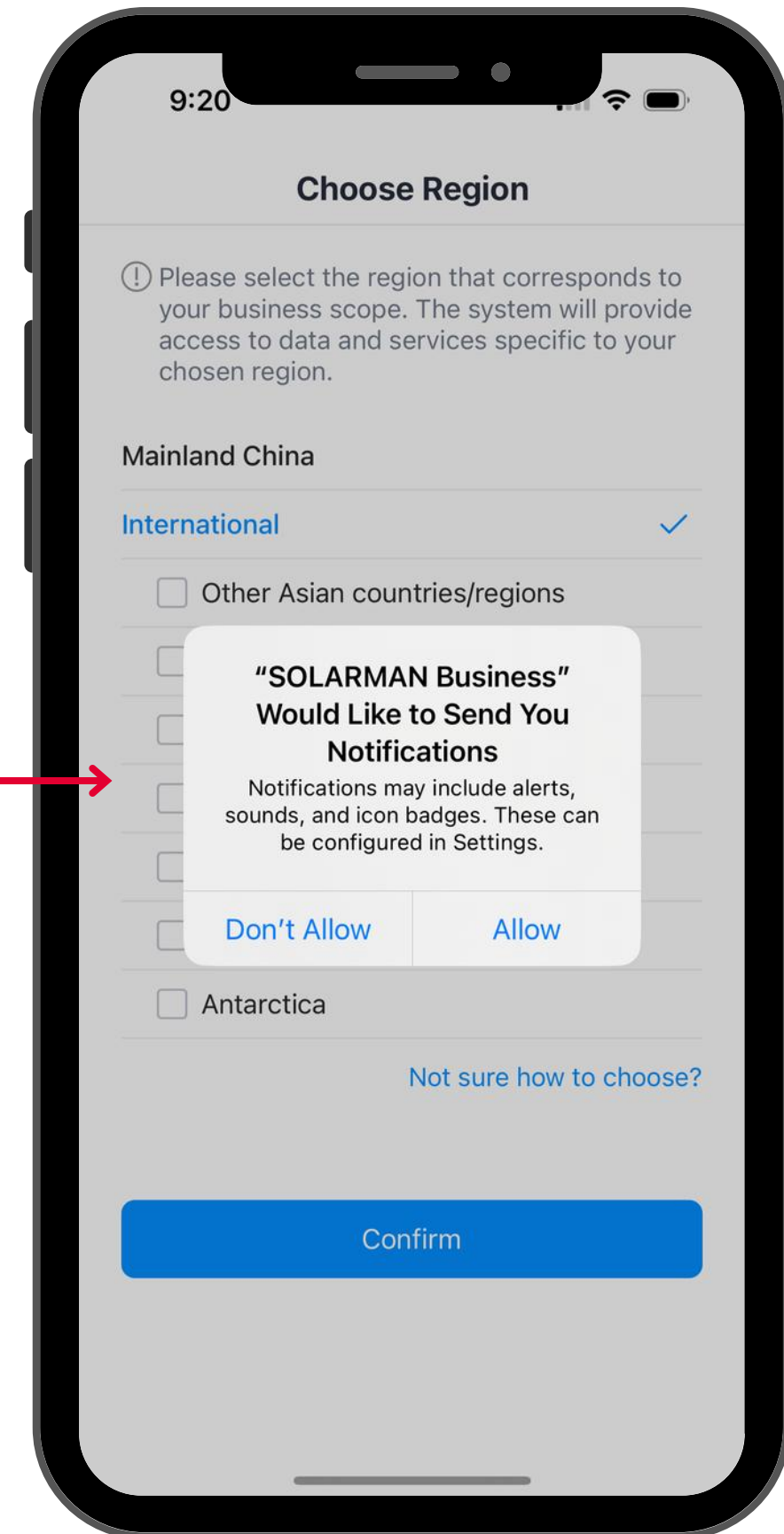
- App will request to 'Allow Bluetooth' with Solarman
- You can select either, but we do not use this feature



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Solarman Business App

- App will request to send you notifications
- Select 'Allow'
- This will notify you when the system is under going maintenance



NEOVOLTA™

Choose Region

- Select your region

9:20

Choose Region

ⓘ Please select the region that corresponds to your business scope. The system will provide access to data and services specific to your chosen region.

Mainland China

☒ International ✓

☐ Other Asian countries/regions

☐ Europe

☐ Oceania

☐ Africa

☒ North America

☐ South America

☐ Antarctica

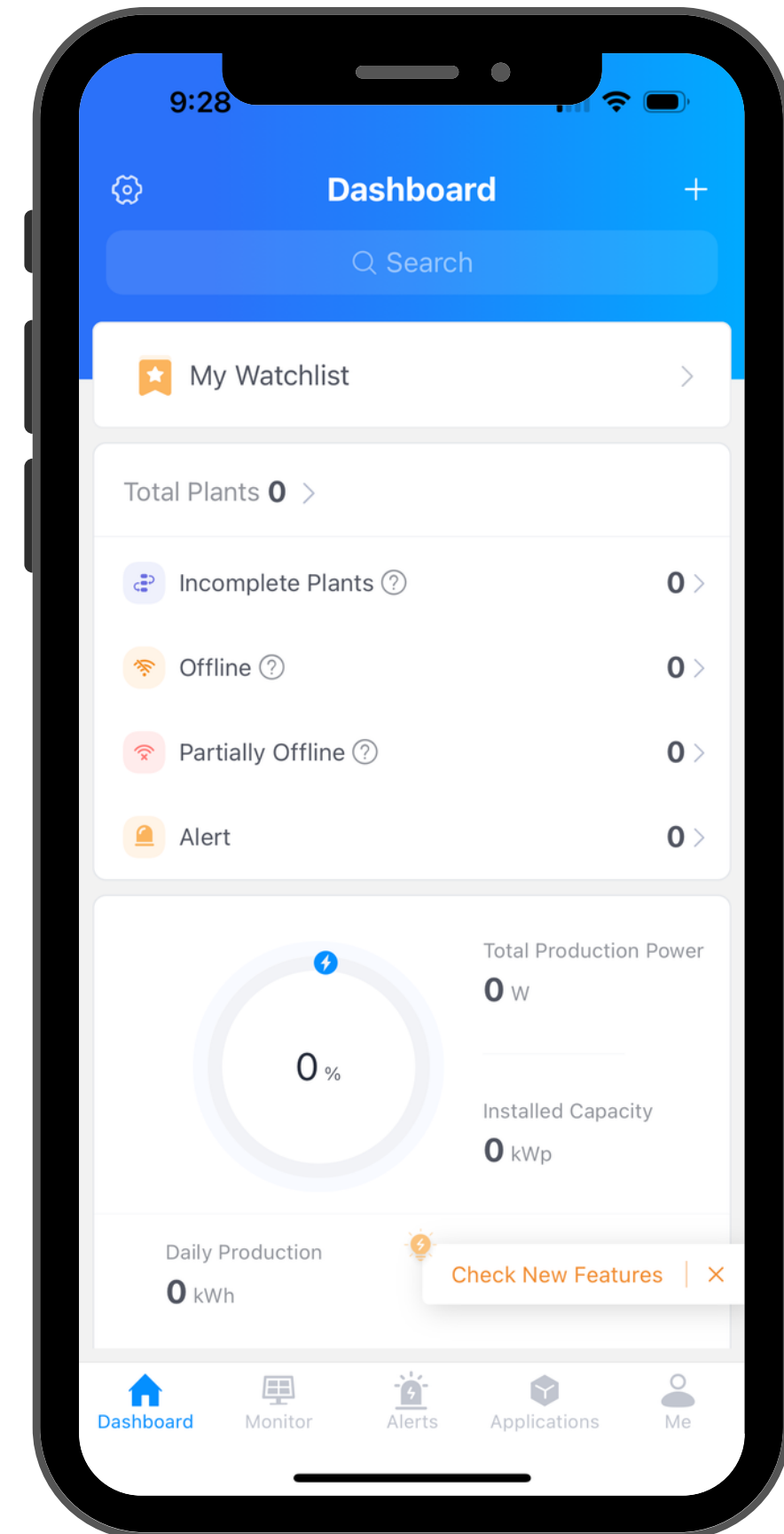
[Not sure how to choose?](#)

Confirm

NEOVOLTA™

Dashboard

- Overview of plants
 - Incomplete
 - Offline
 - Partially Offline
 - Alerts

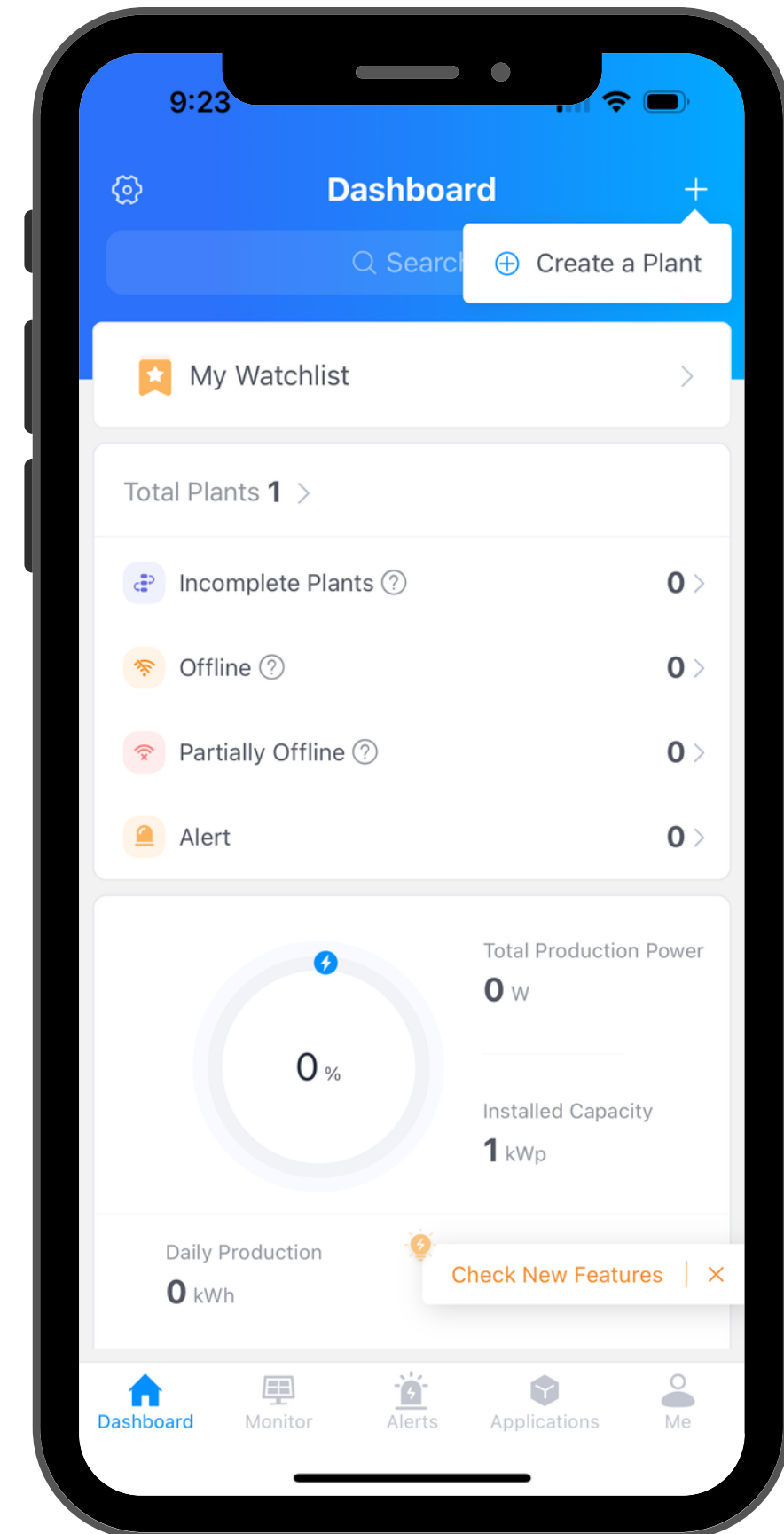


NEOVOLTA™

Creating your plant

Plus Sign in the top right corner

- Click the plus sign
- Tap 'Create a Plant'



NEOVOLTA™

Create a Plant

First Step

- Change cover photo


9:23

Cancel

Create a Plant

Save

Cover



Change

Name

Required Field

Location

Longitude-117°2'14.1"
Latitude32°56'16.7" >

Region

United States of America (USA)/
California >

Address

Required Field

Capacity(kWp)

Required Field

System Type ?

☒ PV + Grid

☐ PV + Grid + Consumption

☐ PV + Grid + Consumption + Battery

Plant Type ?

☒ Residential

☐ Commercial

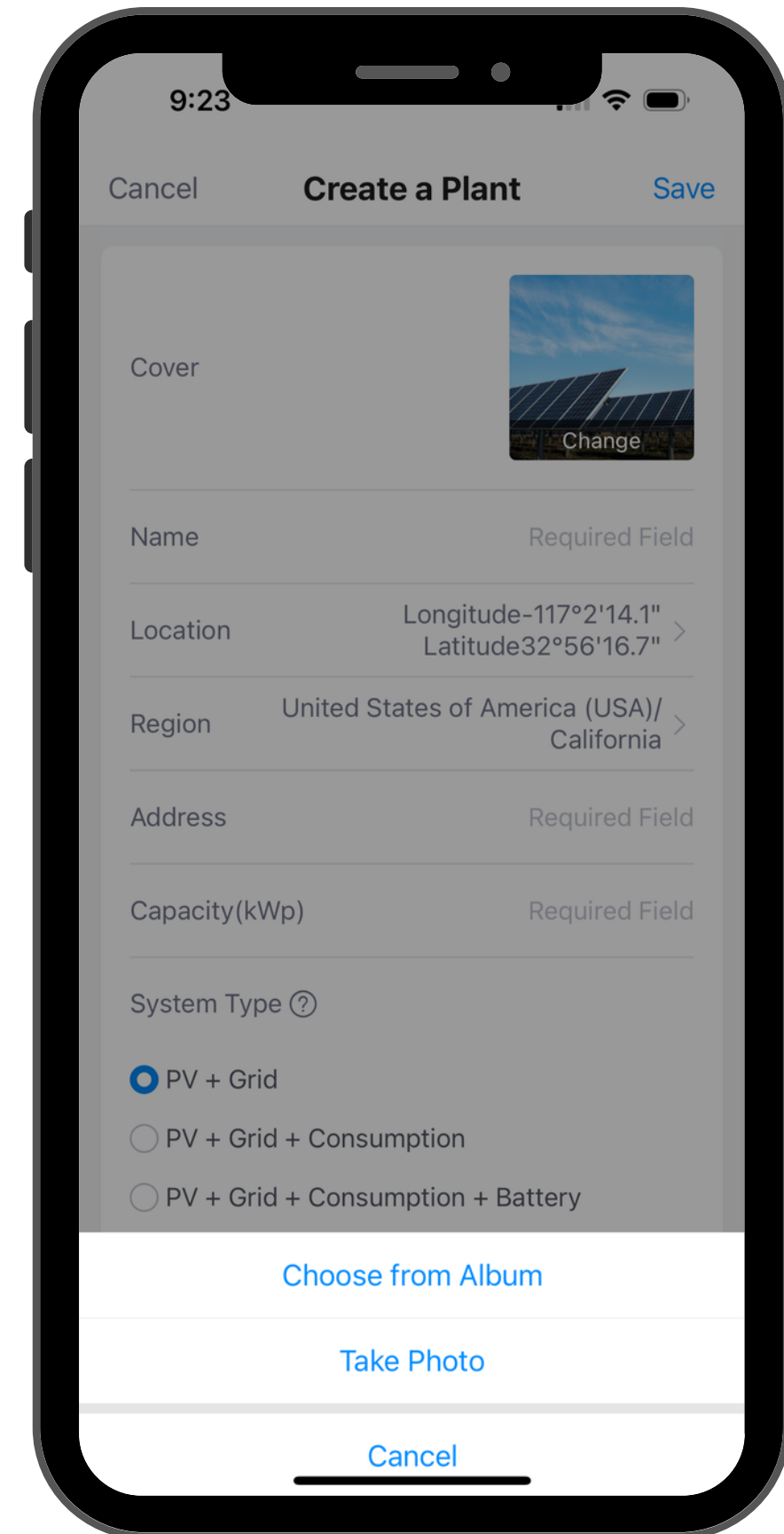
☐ Industrial

NEOVOLTA™

Add photo of home

Cover Section

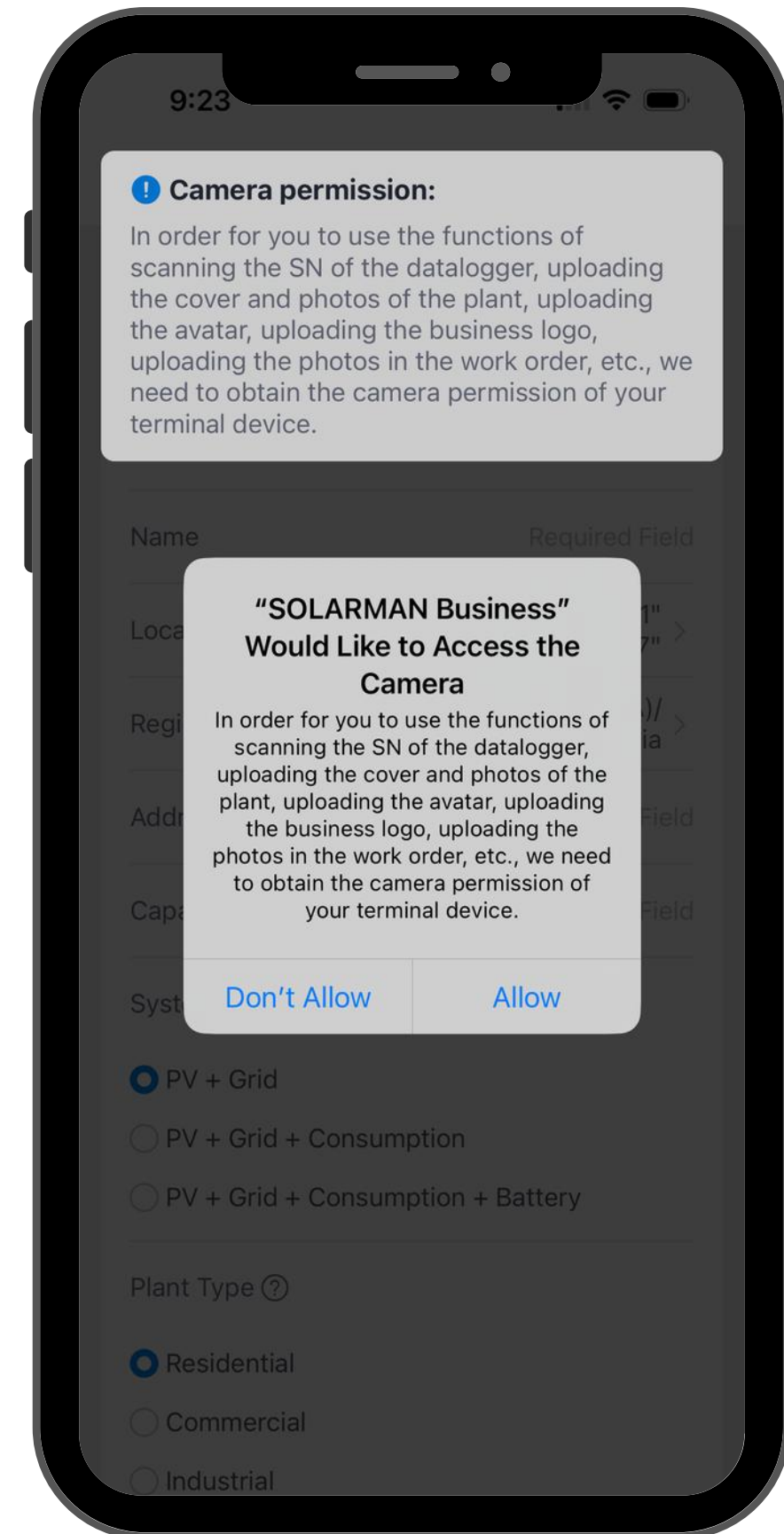
- Select the default photo
- App will ask you to 'Take Photo'



NEOVOLTA™

Permissions

- Grant Access based on preference.



NEOVOLTA™

Plant Settings

Capacity


- Manually enter the system size in kW

System Type

- PV + Grid + Consumption + Battery

11:52

Cancel Create a Plant Save

Cover  Change

Name NeoVolta

Location Longitude-117°2'14.1" Latitude32°56'16.7" >

Region United States of America (USA)/ California >

Address 12195 Dearborn Place Poway, CA 92064

Capacity(kWp) Required Field

System Type ?

☐ PV + Grid

☐ PV + Grid + Consumption

☒ PV + Grid + Consumption + Battery

Plant Type ?

☒ Residential

☐ Commercial

☐ Industrial

NEOVOLTA™

Plant Type

Pick the plant type

- Residential
- Commercial
- Industrial
- Ground Mounted

9:25

Cancel Create a Plant Save

Plant Type ?

☒ Residential

☐ Commercial

☐ Industrial

☐ Ground Mounted

Azimuth(°) ? Optional, 0~360°

Tilt Angle(°) ? Optional, 0~90°

More ▾

Currency USD >

Unit Price(USD/kWh) Optional

Total Cost(USD) Optional

Contact Person Optional

Contact Number Optional, used to make calls in the APP

Business Name Optional

NEOVOLTA™

Time Zone

Select the 'More' option



9:25

CancelCreate a PlantSave

Plant Type ?

☒ Residential

☐ Commercial

☐ Industrial

☐ Ground Mounted

Azimuth(°) ?

Optional, 0~360°

Tilt Angle(°) ?

Optional, 0~90°

More

Currency

USD >

Unit Price(USD/kWh)

Optional

Total Cost(USD)

Optional

Contact Person

Optional

Contact Number

Optional, used to make calls in the APP

Business Name

Optional

Time Zone

Tap Time Zone

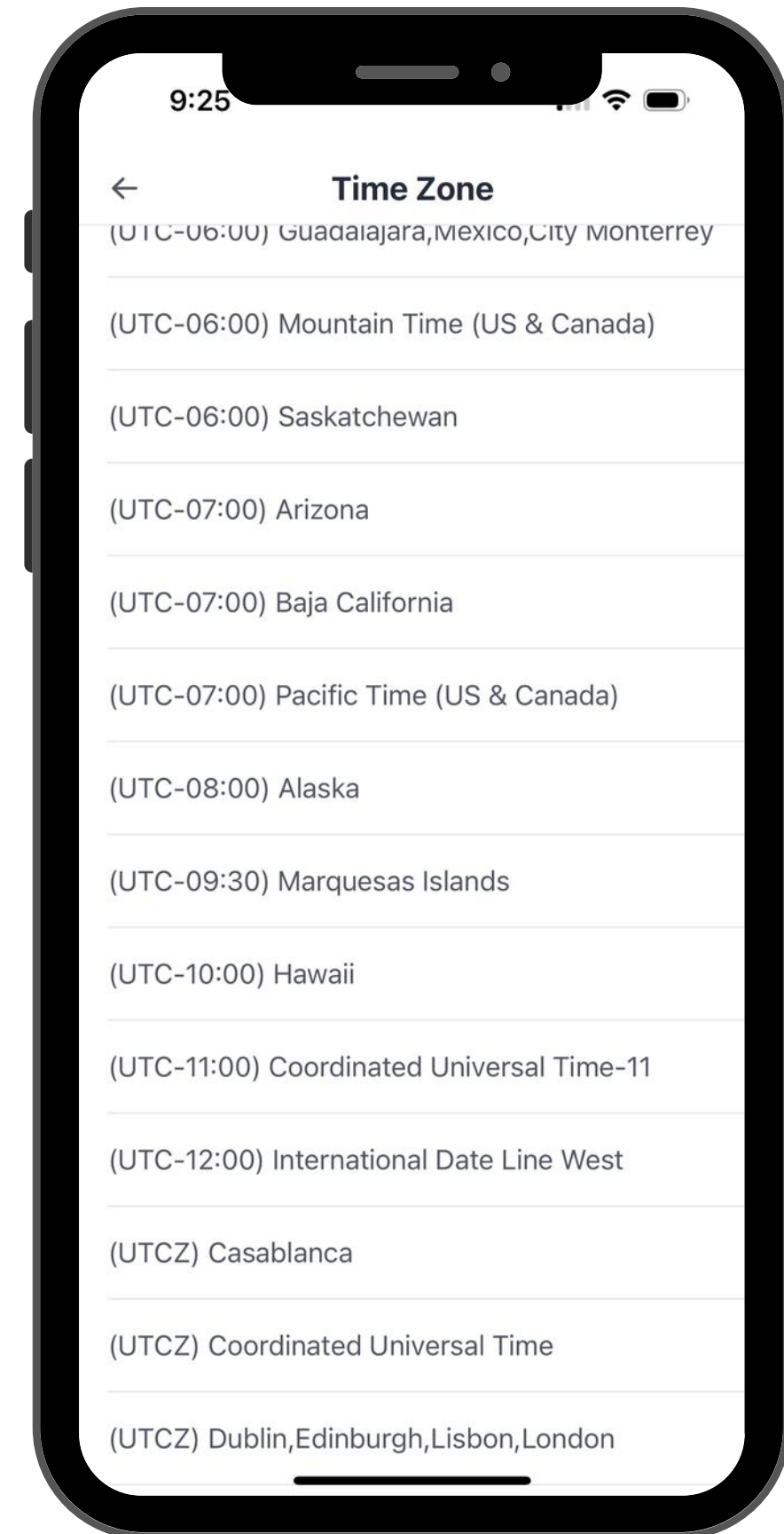


NEOVOLTA™

Time Zone

Find and select the correct time zone

- Important for 'Time of Use' and other settings



NEOVOLTA™

Contact Person

Please add in the information for the homeowner owner.

Add their Name and Best Contact Number.

The image shows a smartphone screen with the 'Create a Plant' form. The form has a header with 'Cancel', 'Create a Plant', and 'Save' buttons. The form is divided into several sections. The first section is 'Plant Type' with four radio button options: 'Residential' (selected), 'Commercial', 'Industrial', and 'Ground Mounted'. The second section contains 'Azimuth(°)' (Optional, 0~360°) and 'Tilt Angle(°)' (Optional, 0~90°) fields, followed by a 'More' link with a dropdown arrow. The third section contains 'Currency' (USD >), 'Unit Price(USD/kWh)' (Optional), and 'Total Cost(USD)' (Optional) fields. The fourth section contains 'Contact Person' (Optional), 'Contact Number' (Optional, used to make calls in the APP), and 'Business Name' (Optional) fields. A red arrow points to the 'Contact Person' field.

9:25

Cancel Create a Plant Save

Plant Type ?

☒ Residential

☐ Commercial

☐ Industrial

☐ Ground Mounted

Azimuth(°) ? Optional, 0~360°

Tilt Angle(°) ? Optional, 0~90°

More ▾

Currency USD >

Unit Price(USD/kWh) Optional

Total Cost(USD) Optional

Contact Person Optional

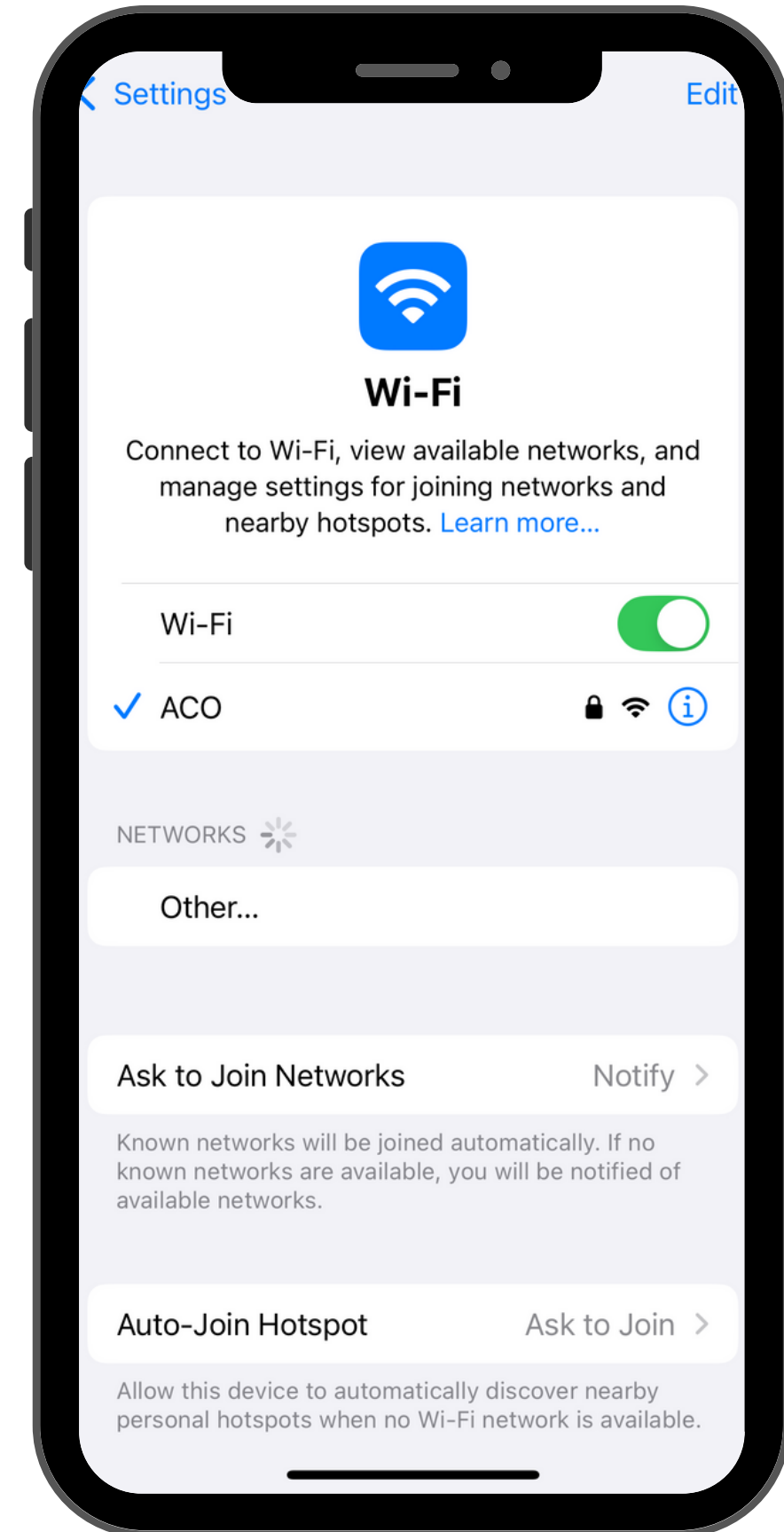
Contact Number Optional, used to make calls in the APP

Business Name Optional

NEOVOLTA™

Create a Plant

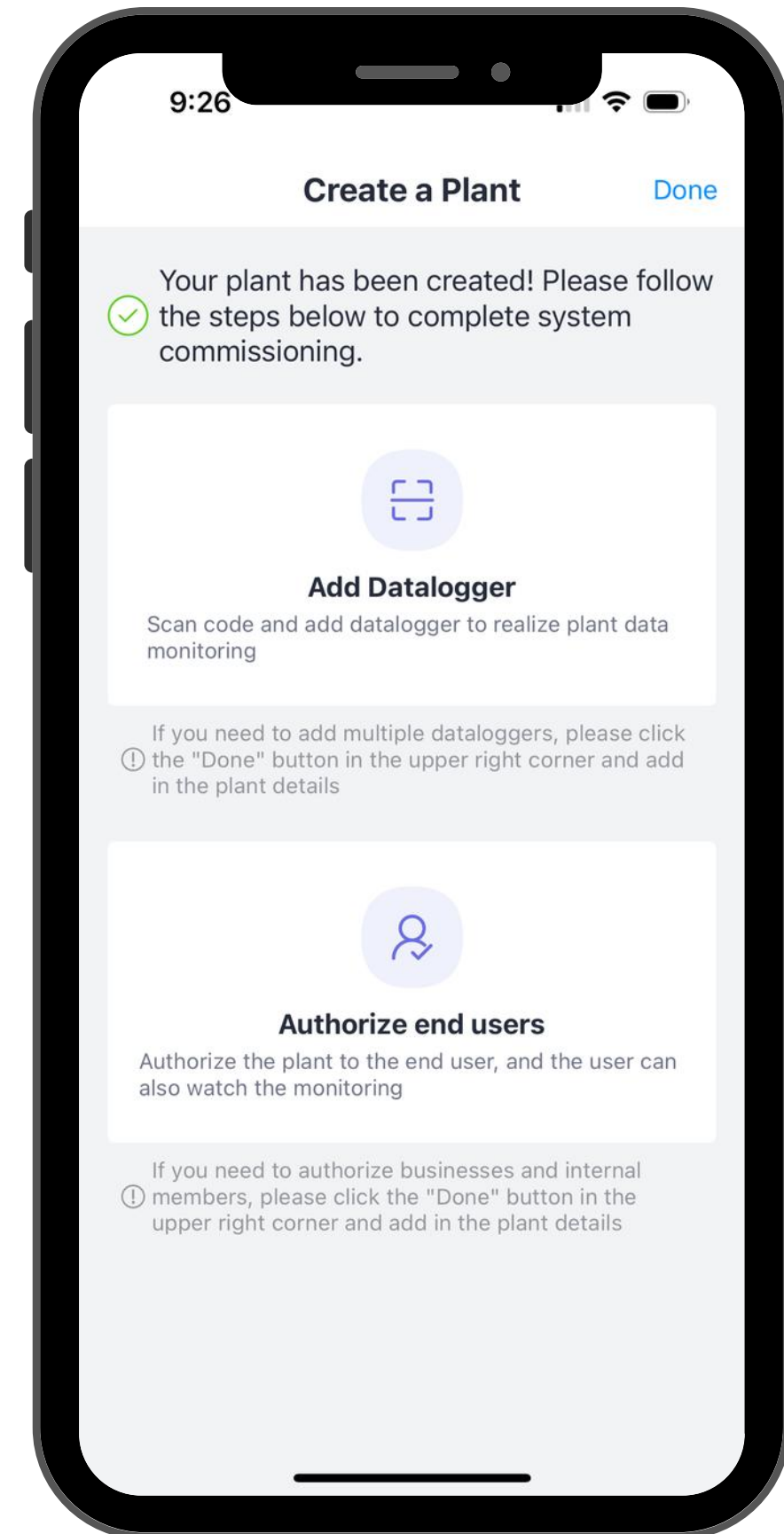
- Connect to the homeowner's WiFi on your cell phone settings



NEOVOLTA™

Create a Plant

- Add
Datalogger



NEOVOLTA™

Create a Plant

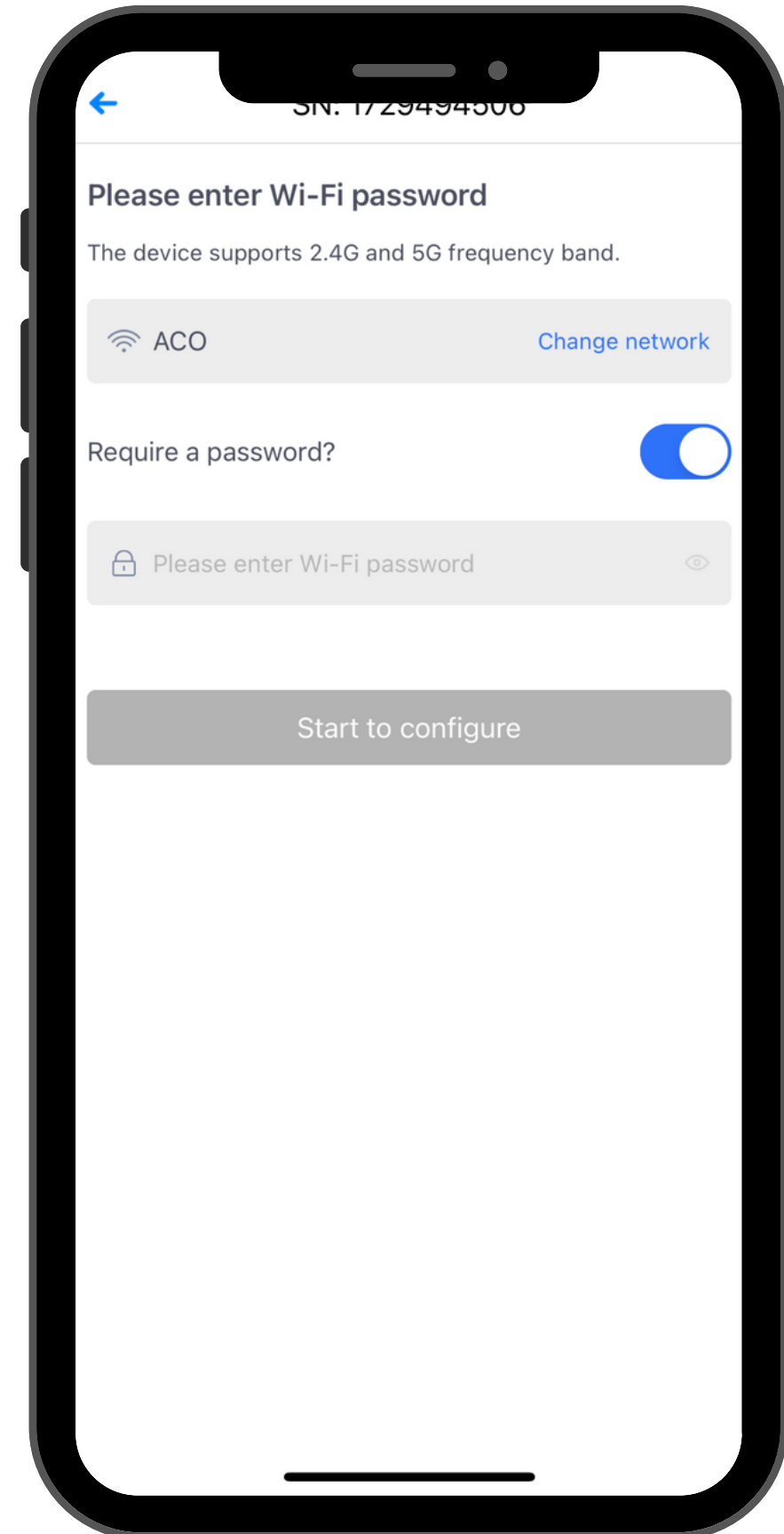
- Scan QR Code
- If that does not work, you can manually enter the password



NEOVOLTA™

Create a Plant

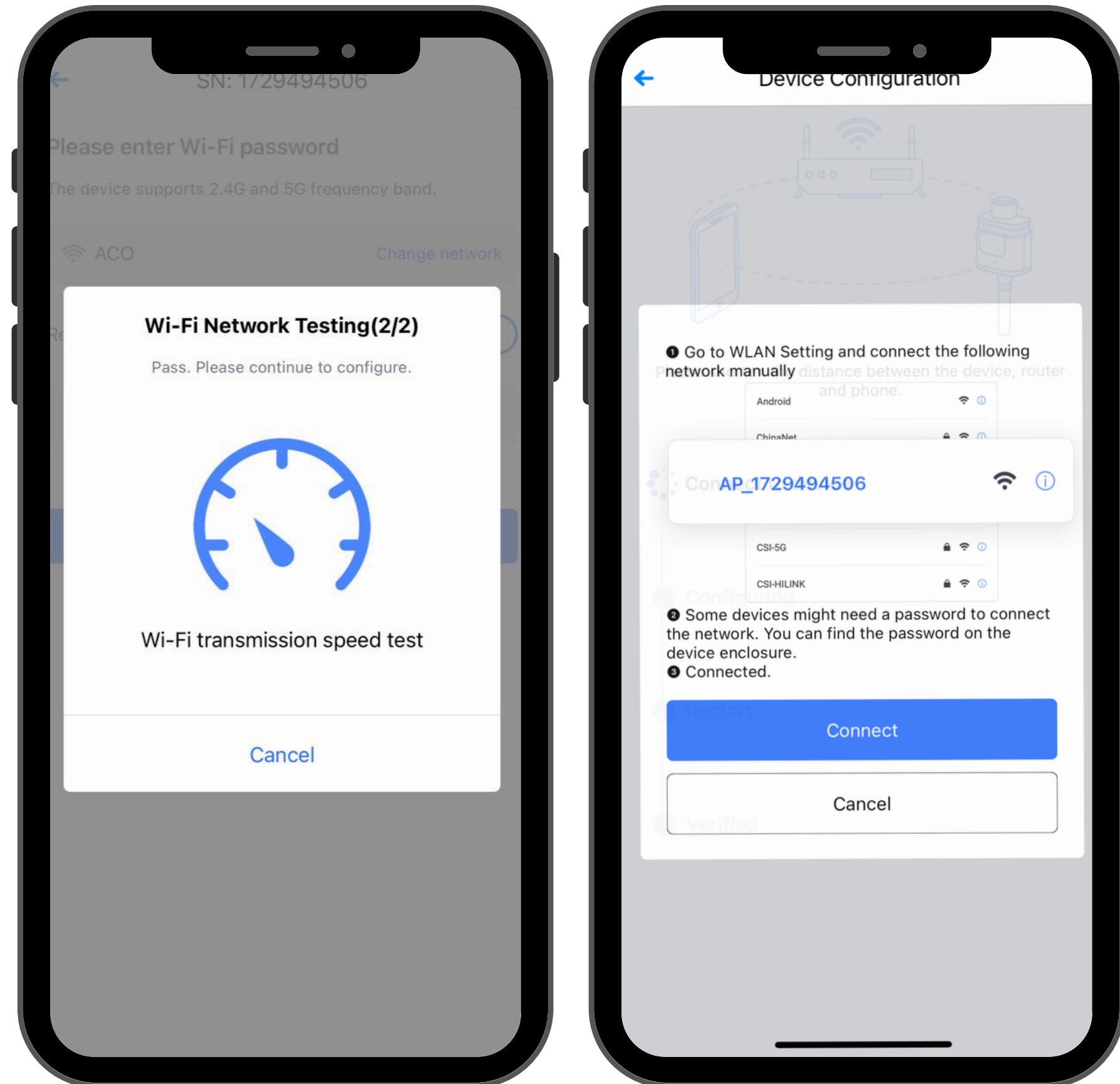
- To manually connect, connect to the homeowner's WiFi in the Solarman Business App



NEOVOLTA™

Create a Plant

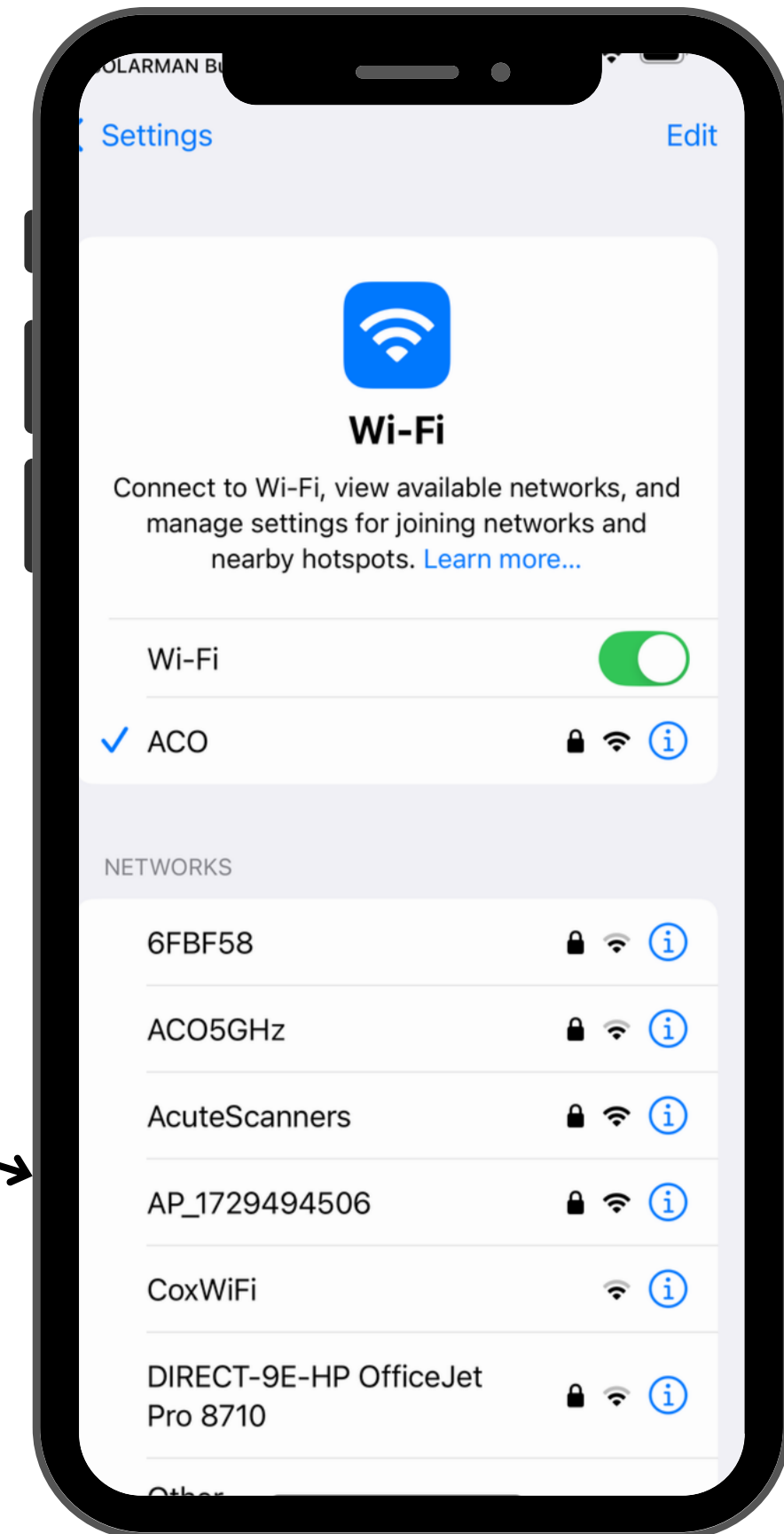
- You will see the following screens
- Select Connect



NEOVOLTA™

Create a Plant

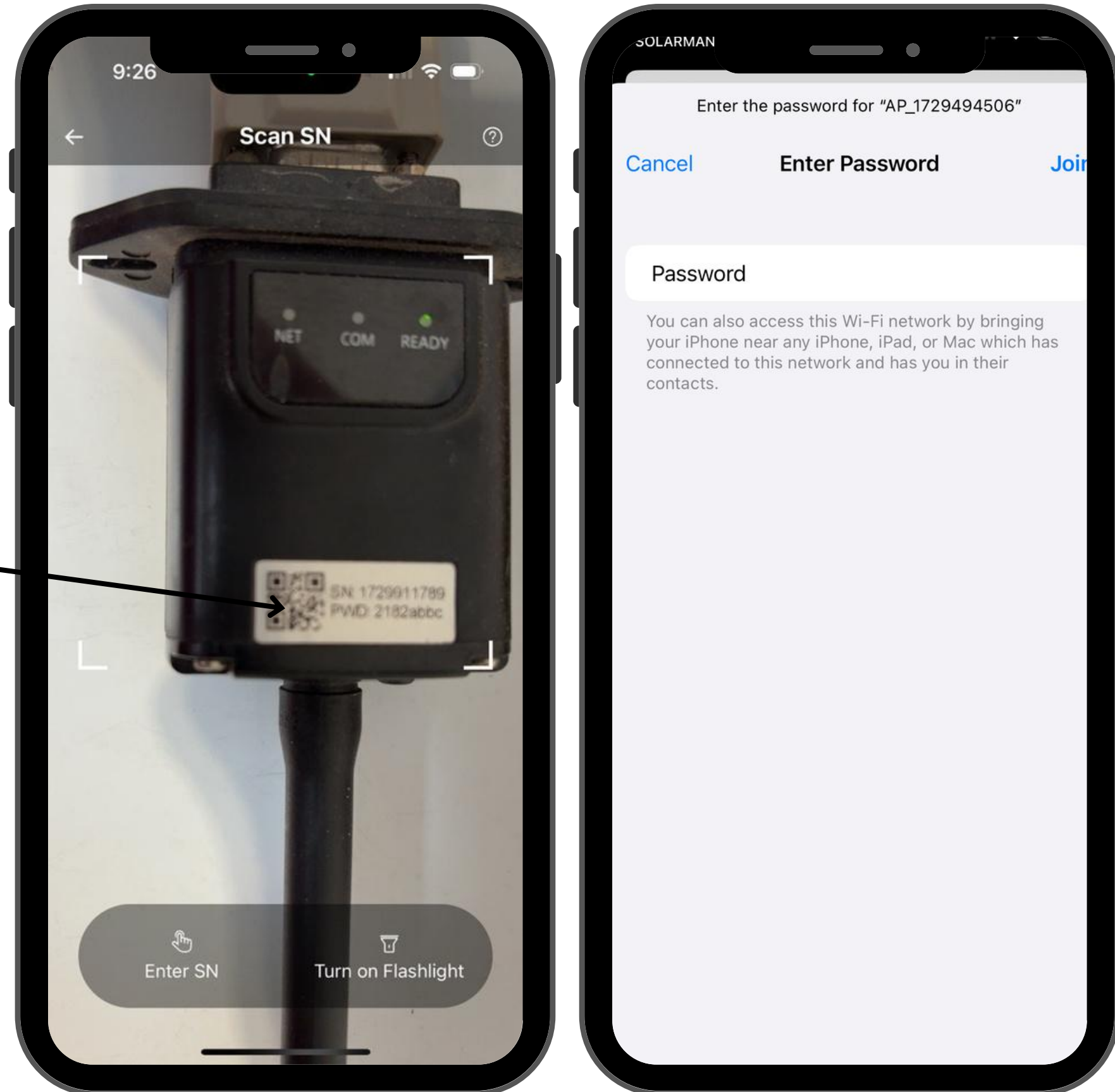
- It will open the phone's WiFi settings
- Select the WiFi with the AP_LoggerSerialNumber



NEOVOLTA™

Create a Plant

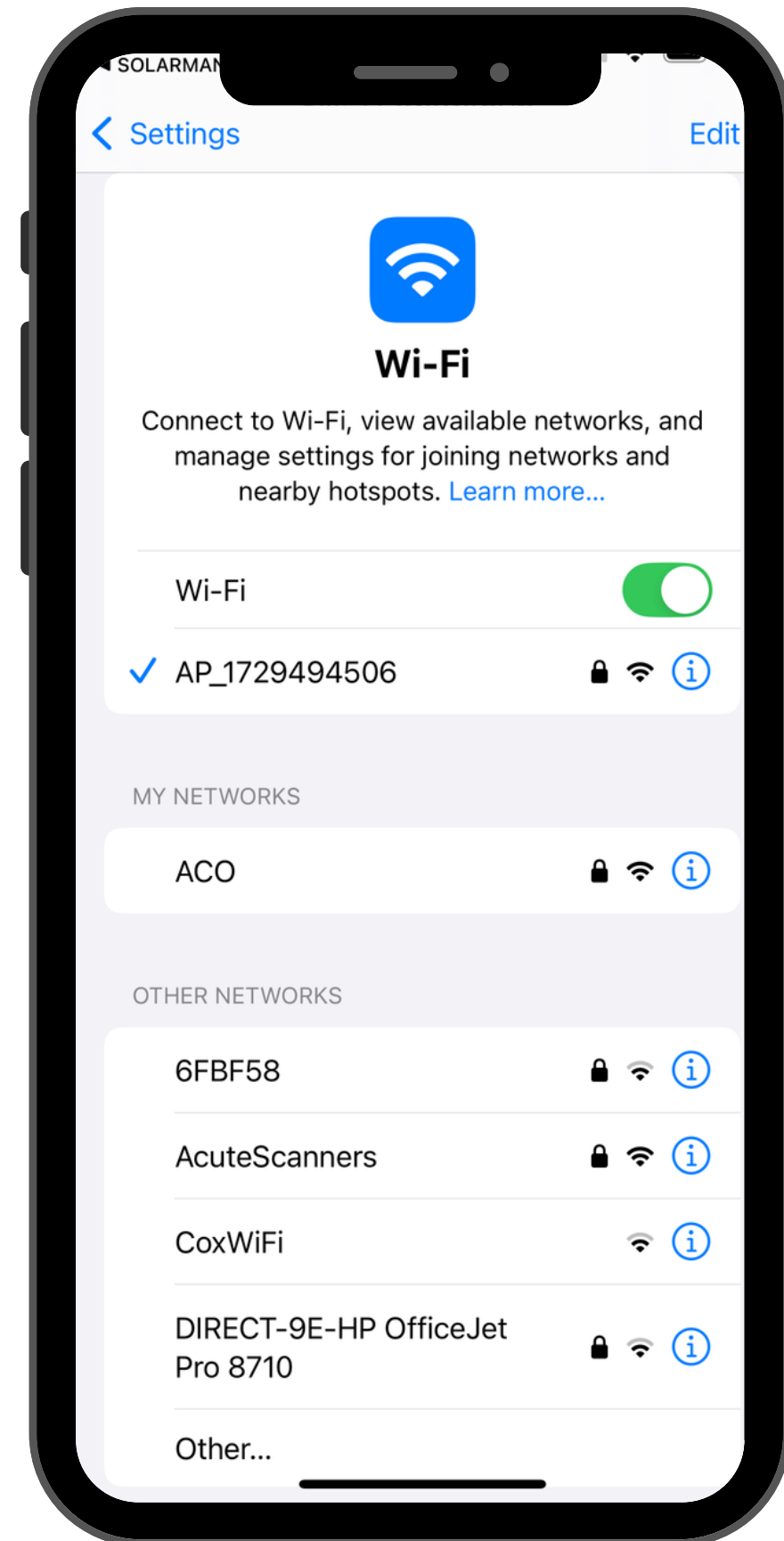
- Enter the password listed on the Logger. It is listed as PWD.



NEOVOLTA™

Create a Plant

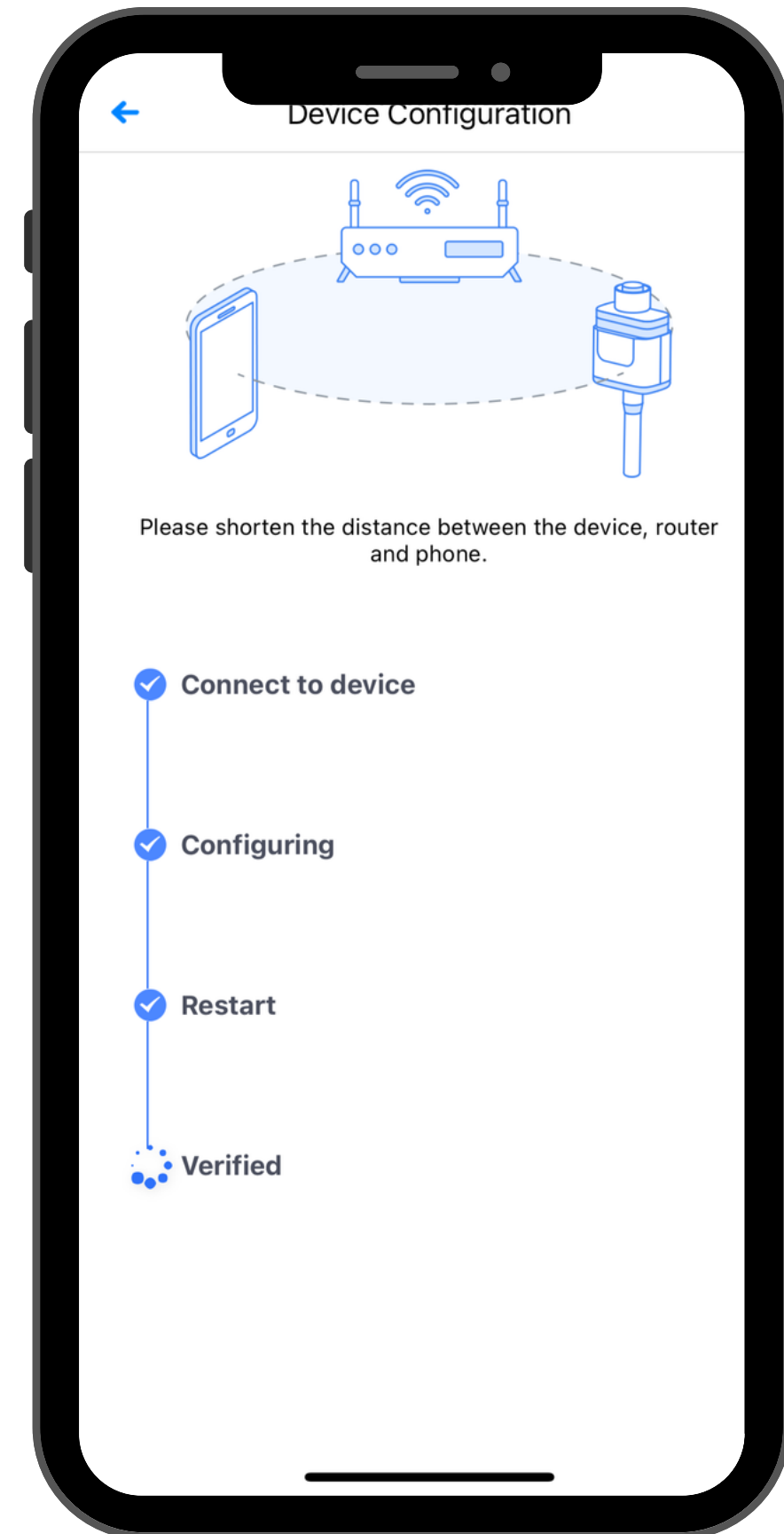
- The cellphone WiFi will connect to the logger. Please note it may display no internet connection message.



NEOVOLTA™

Create a Plant

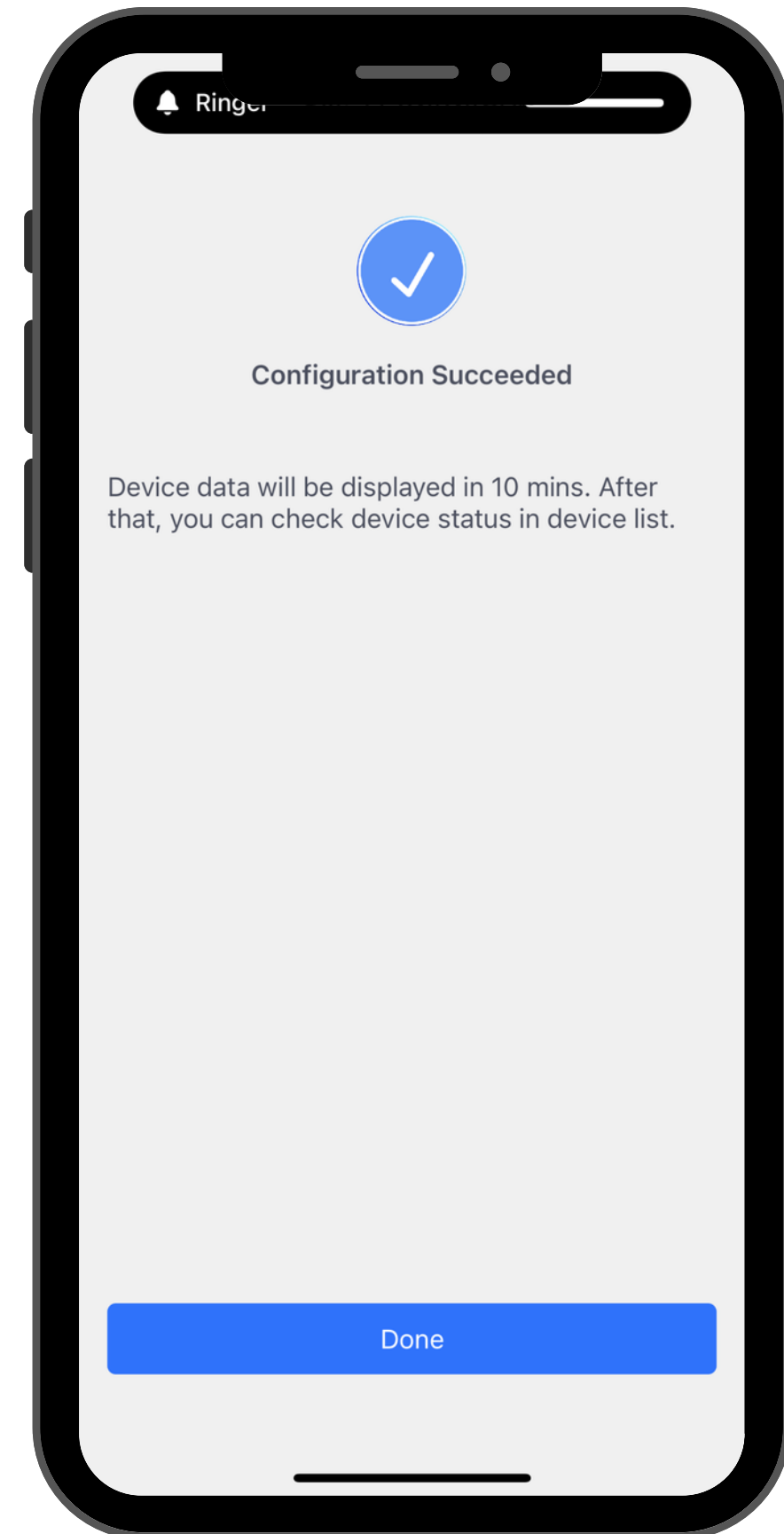
- Return to the Solarman Business App. It will go through the Device Configuration settings.



NEOVOLTA™

Create a Plant

- Once it has completed, it will display Configuration Succeeded.

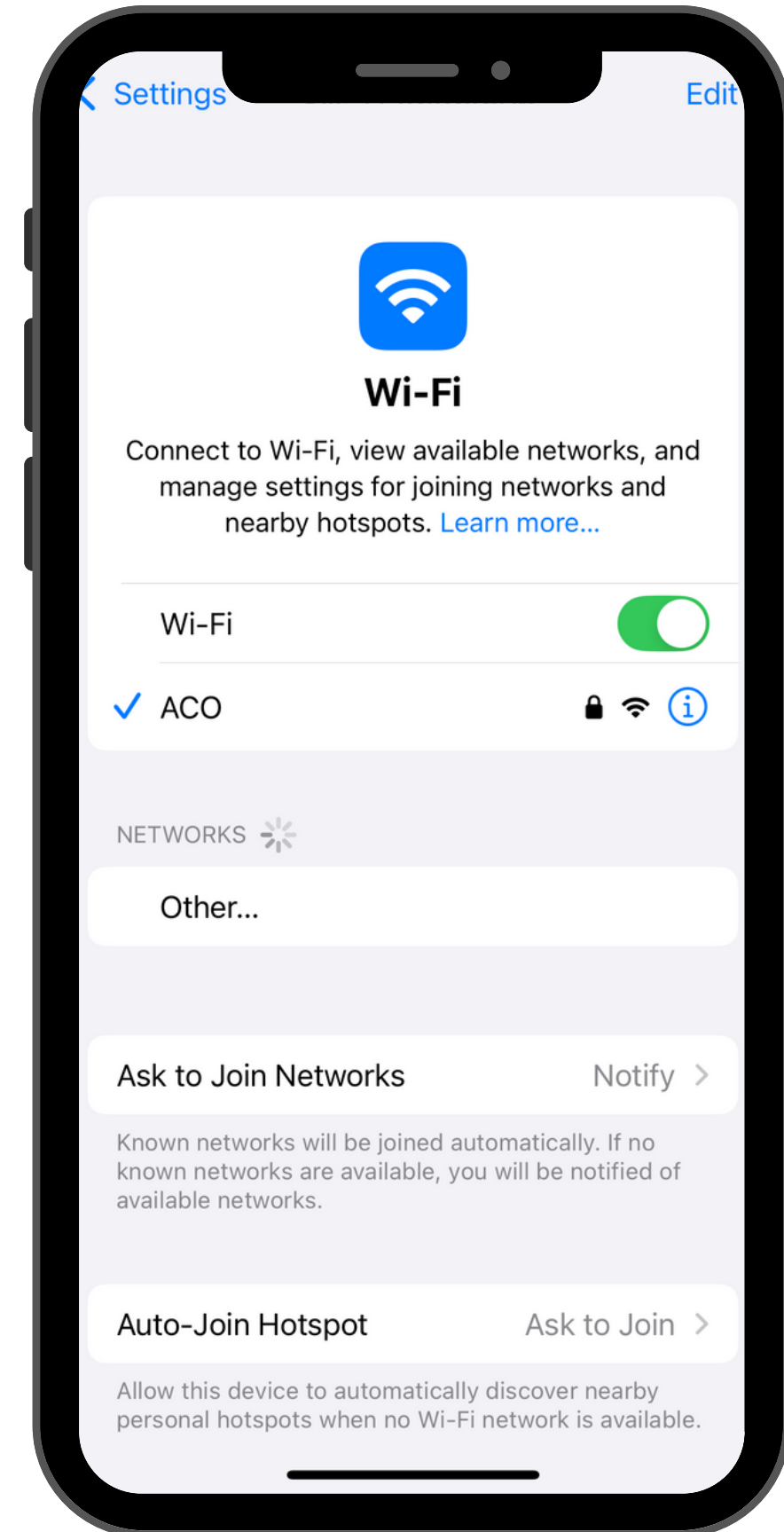




NEOVOLTA™

Create a Plant

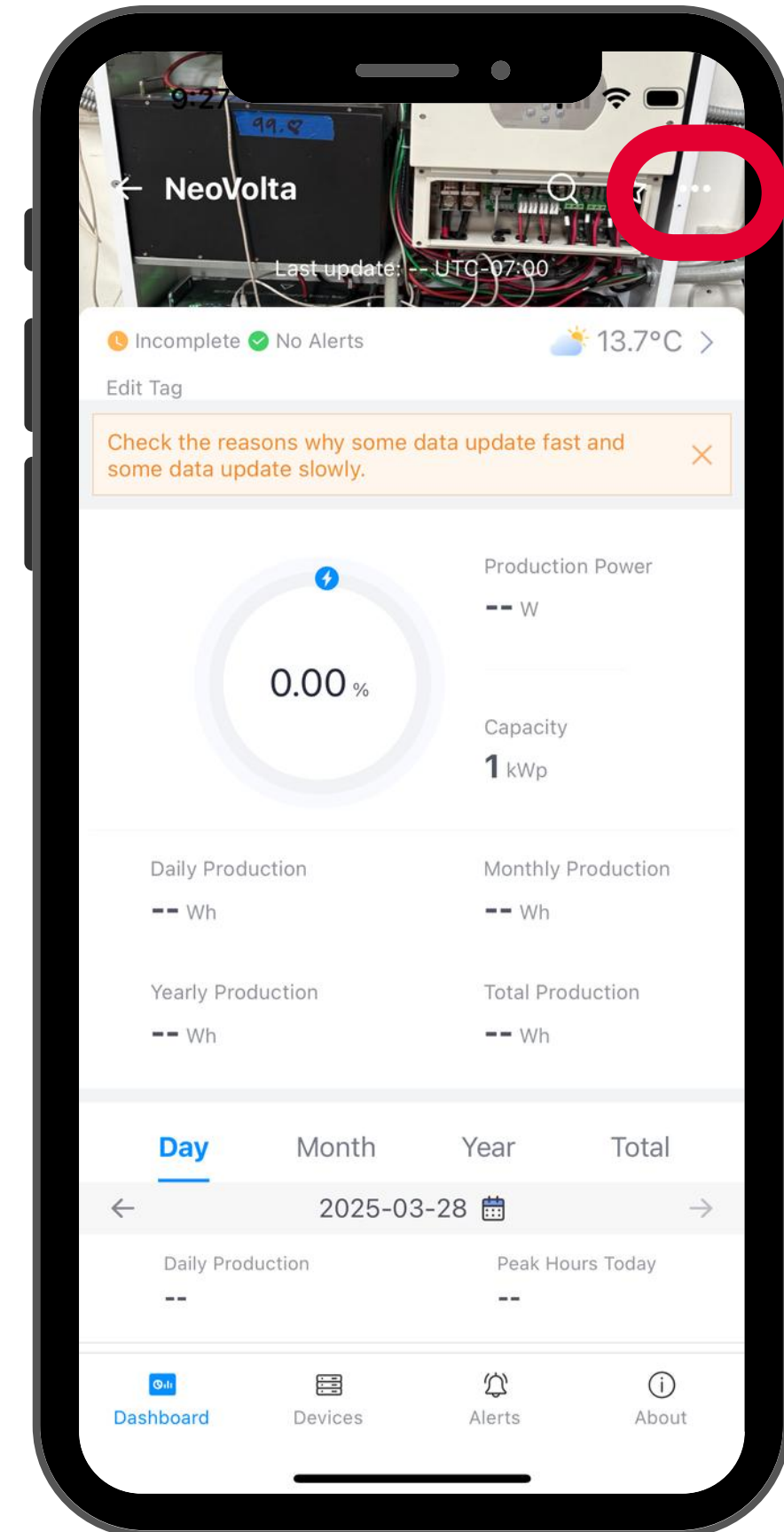
- After it has successfully connected, please return to the cellphone settings and change the WiFi from the logger.



NEOVOLTA™

Plant

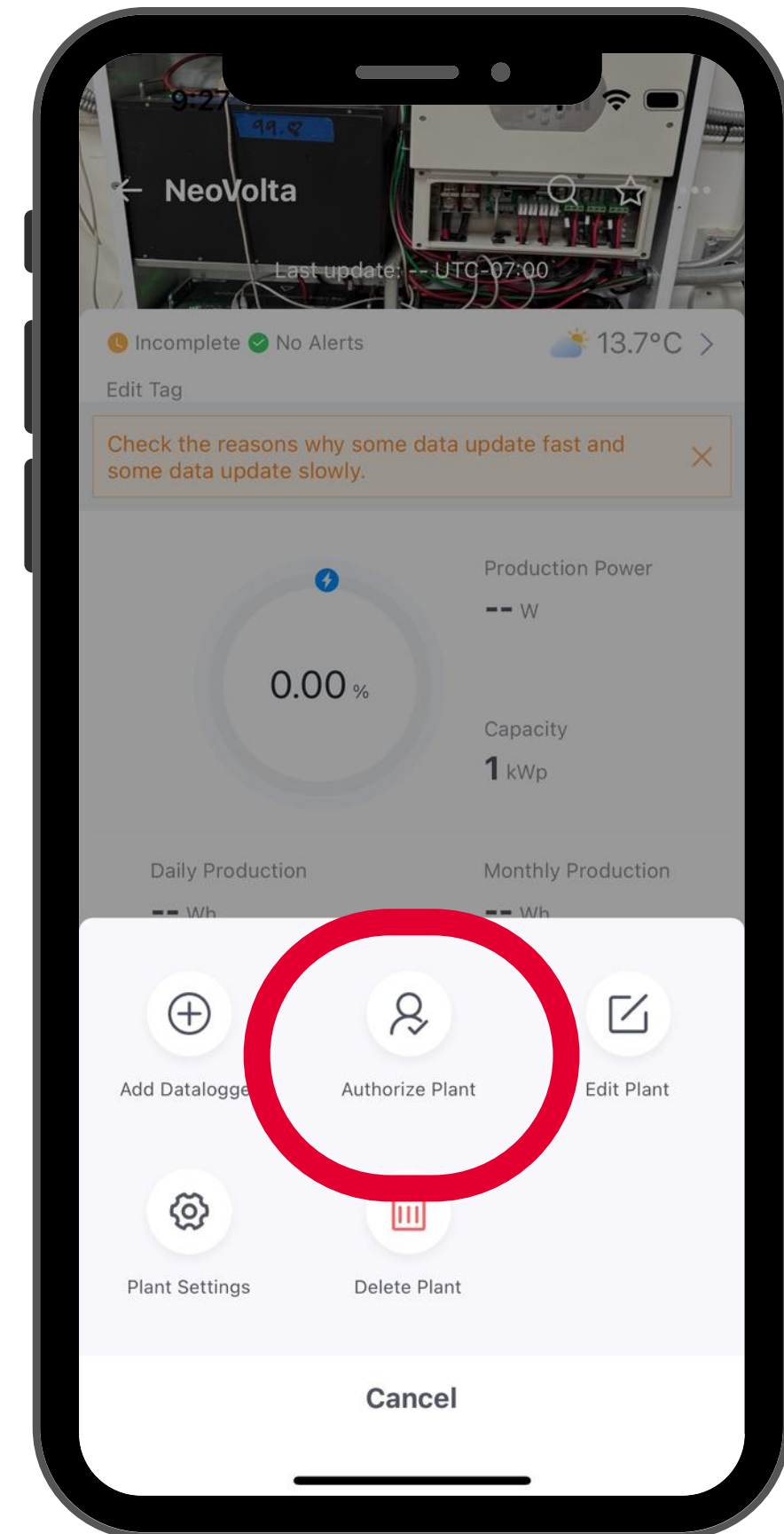
- Plant main page
- Top right hand of screen to add NeoVolta



NEOVOLTA™

Authorize NeoVolta

Authorize
Plant

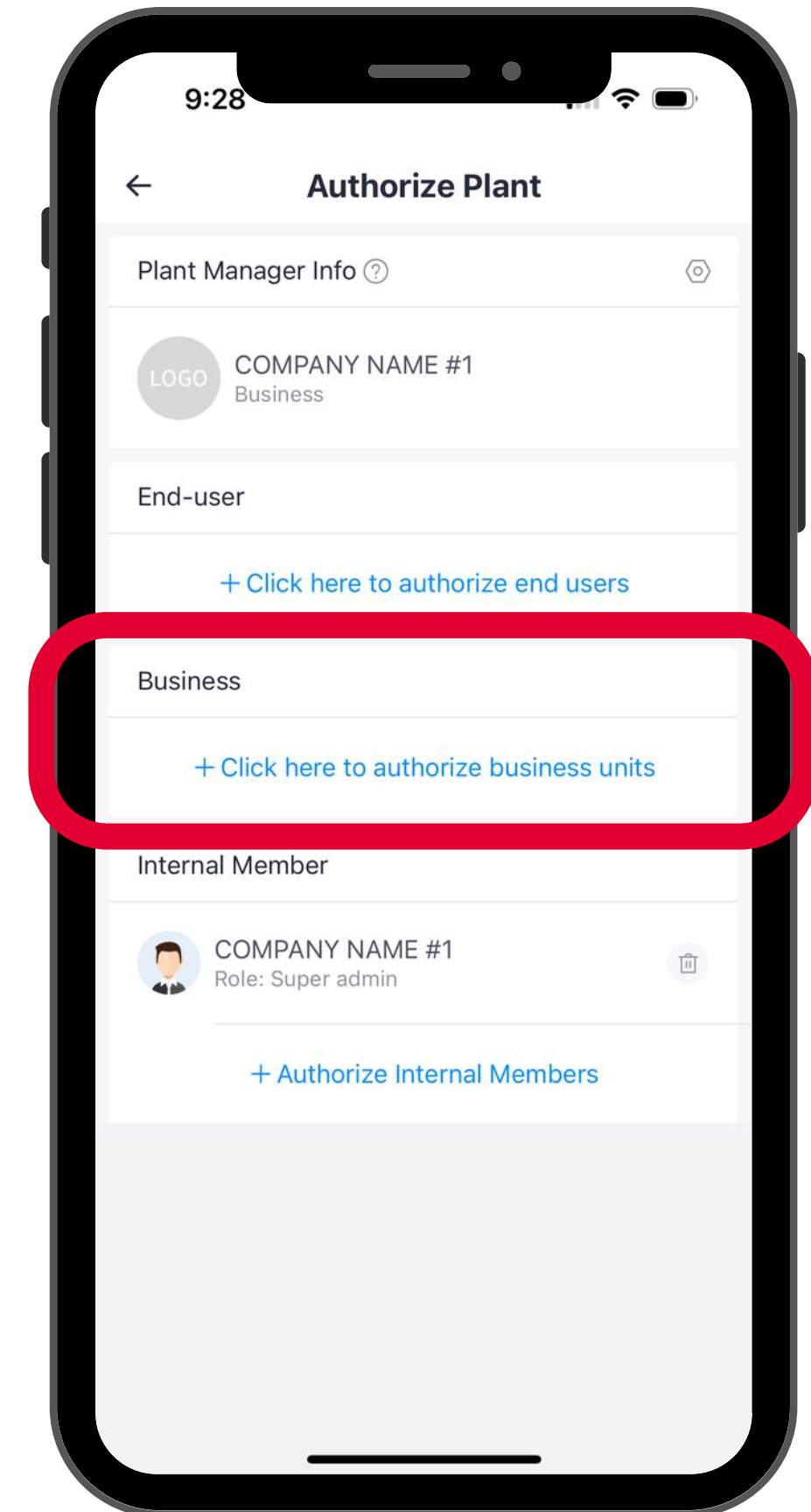


NEOVOLTA™

Authorize Plant

Business

+ Click here to authorize business units

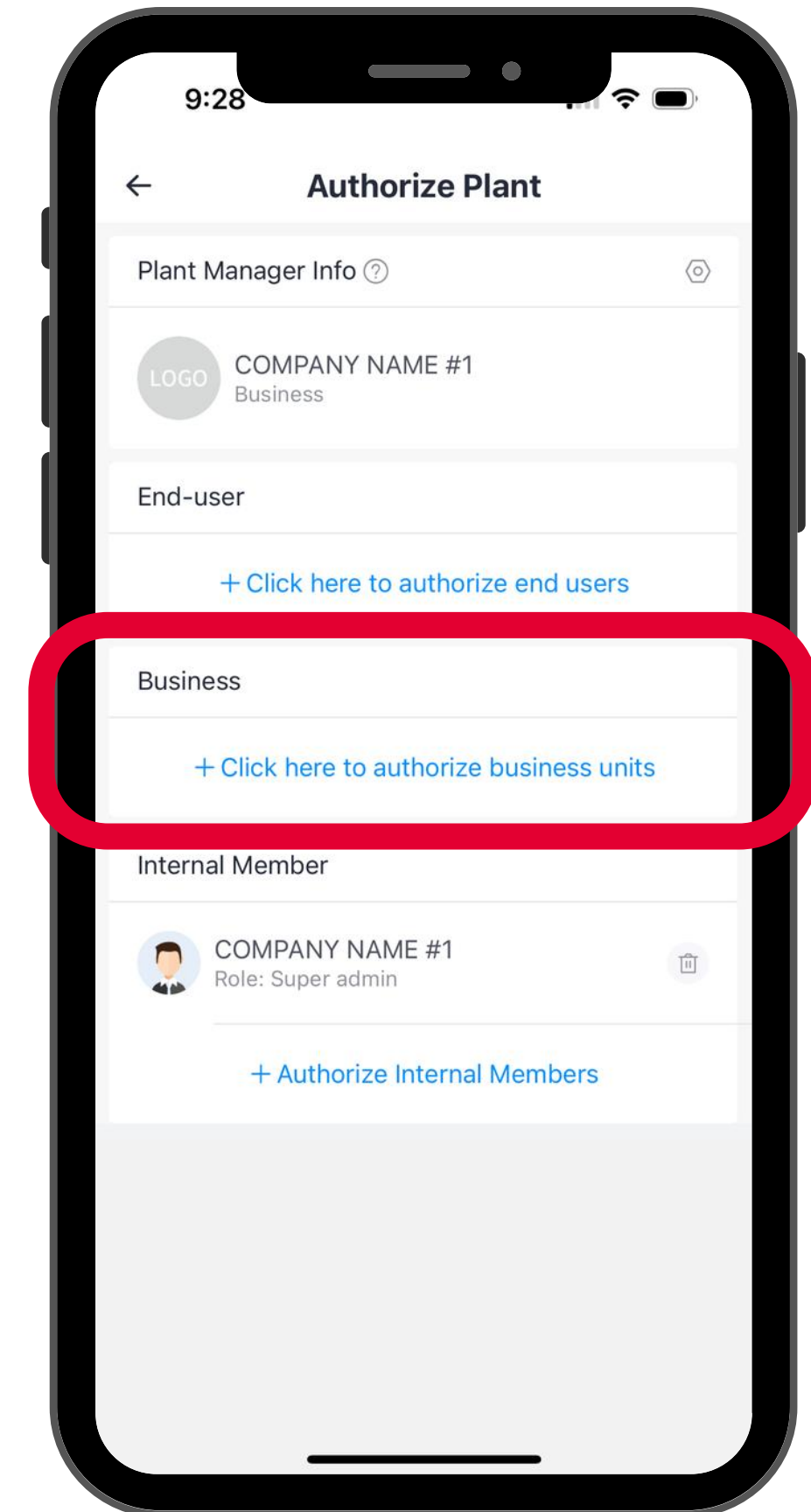


NEOVOLTA™

Authorize Plant

If additional business third parties need to be added, for example, HDM, San Diego Community Power, etc.

+ Click here to authorize business units



NEOVOLTA™

Adding NeoVolta

Bottom of the screen

- In small print
- Select the blue 'Click here' to search for the business

9:28

← Create a business Save

E-mail

*Name Required Field

*E-mail Required Field

Make sure this e-mail address can receive mail, otherwise the account you created will not be able to log in.

*Password Required Field

Password Requirements ?

Click the button to verify

Type Enterprise >

*Business Name >

Business Area United States of America (USA) >

Business Type Installation O&M Provider >

Authorize ? view plant only >

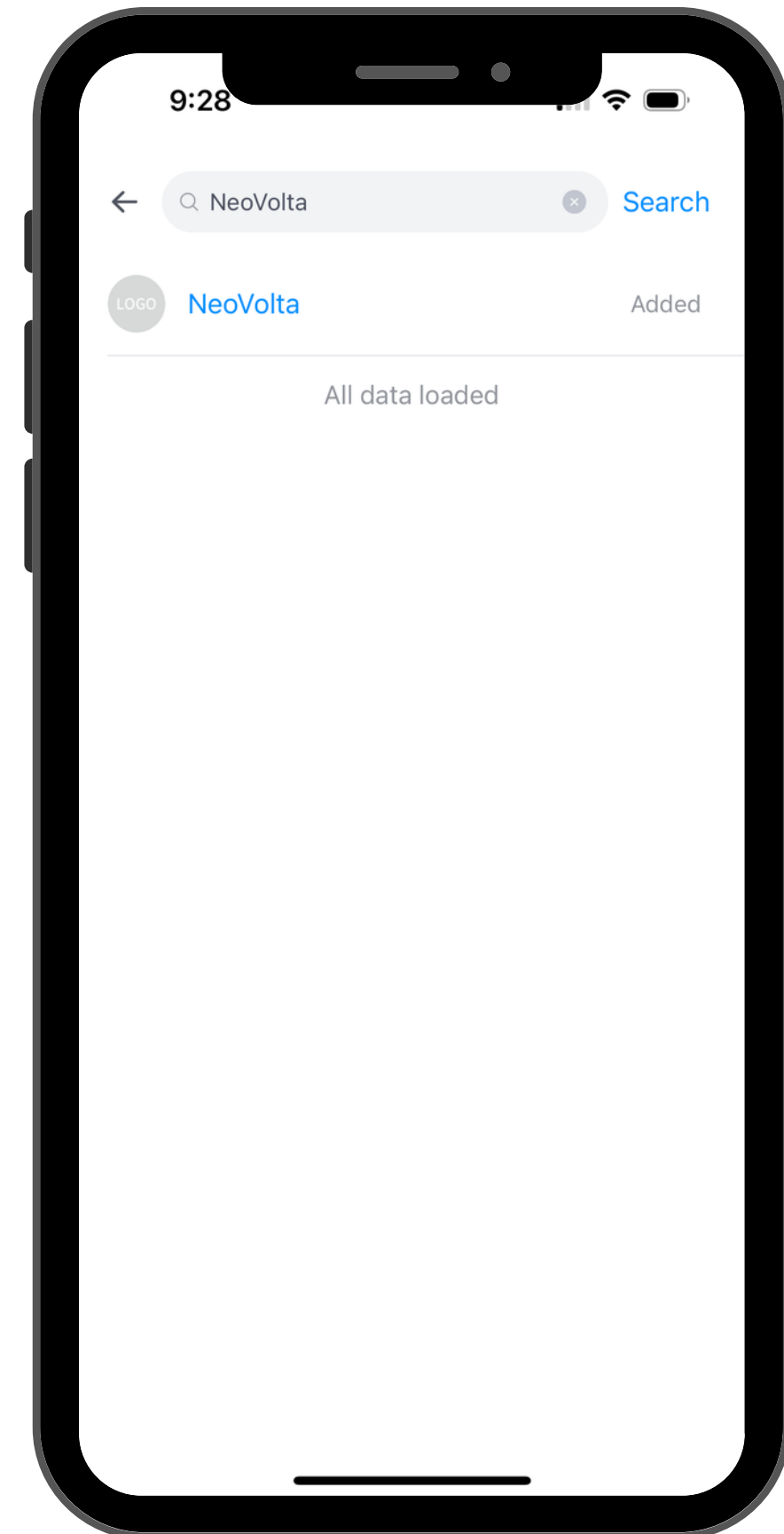
Does the business have an account? [Click here](#) to search for the business

NEOVOLTA™

Adding NeoVolta

Search Bar

- Type out NeoVolta
- Select 'Search'
- When the NeoVolta name shows up, tap to select

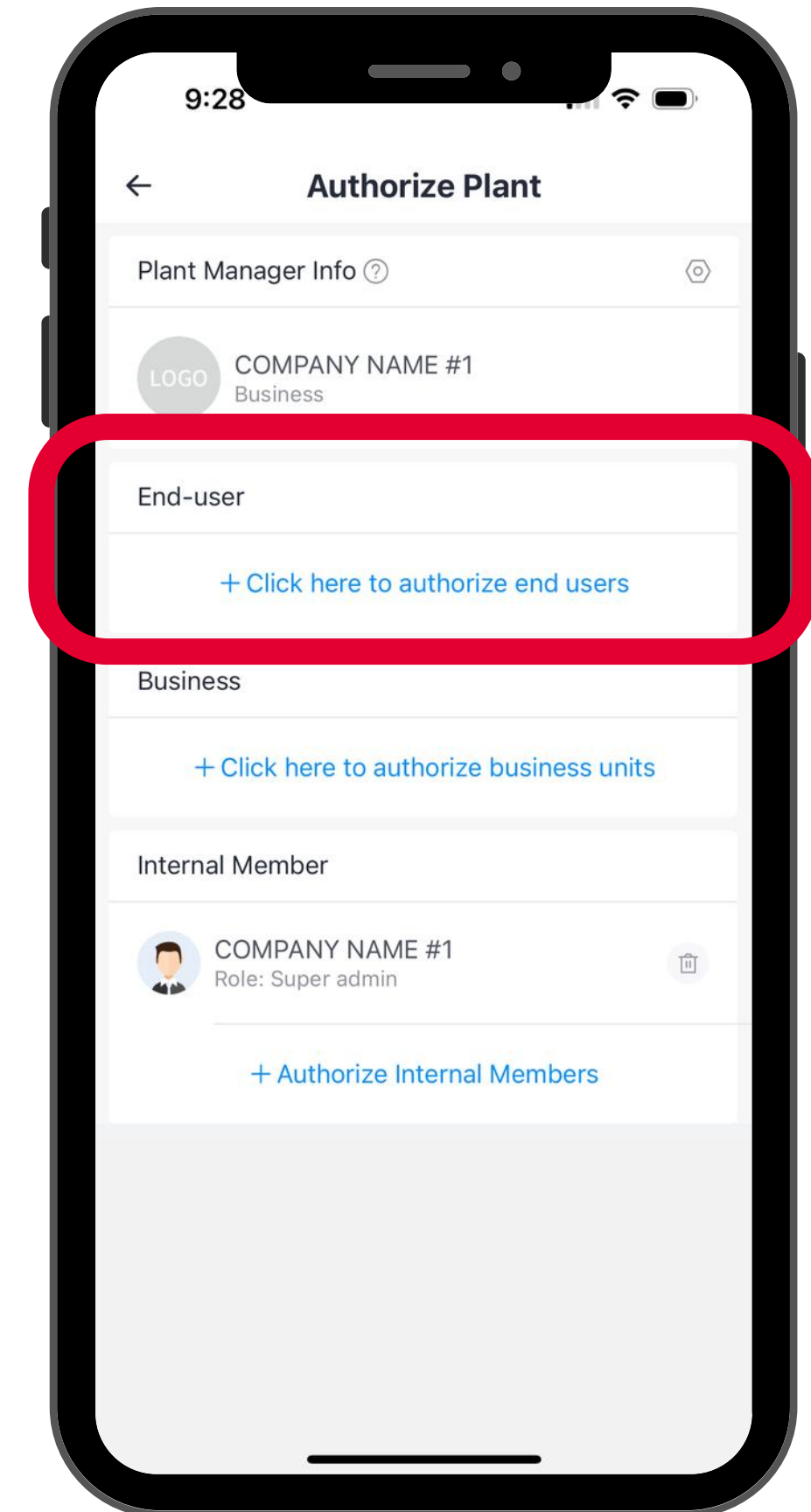


NEOVOLTA™

Authorize Plant

End-user

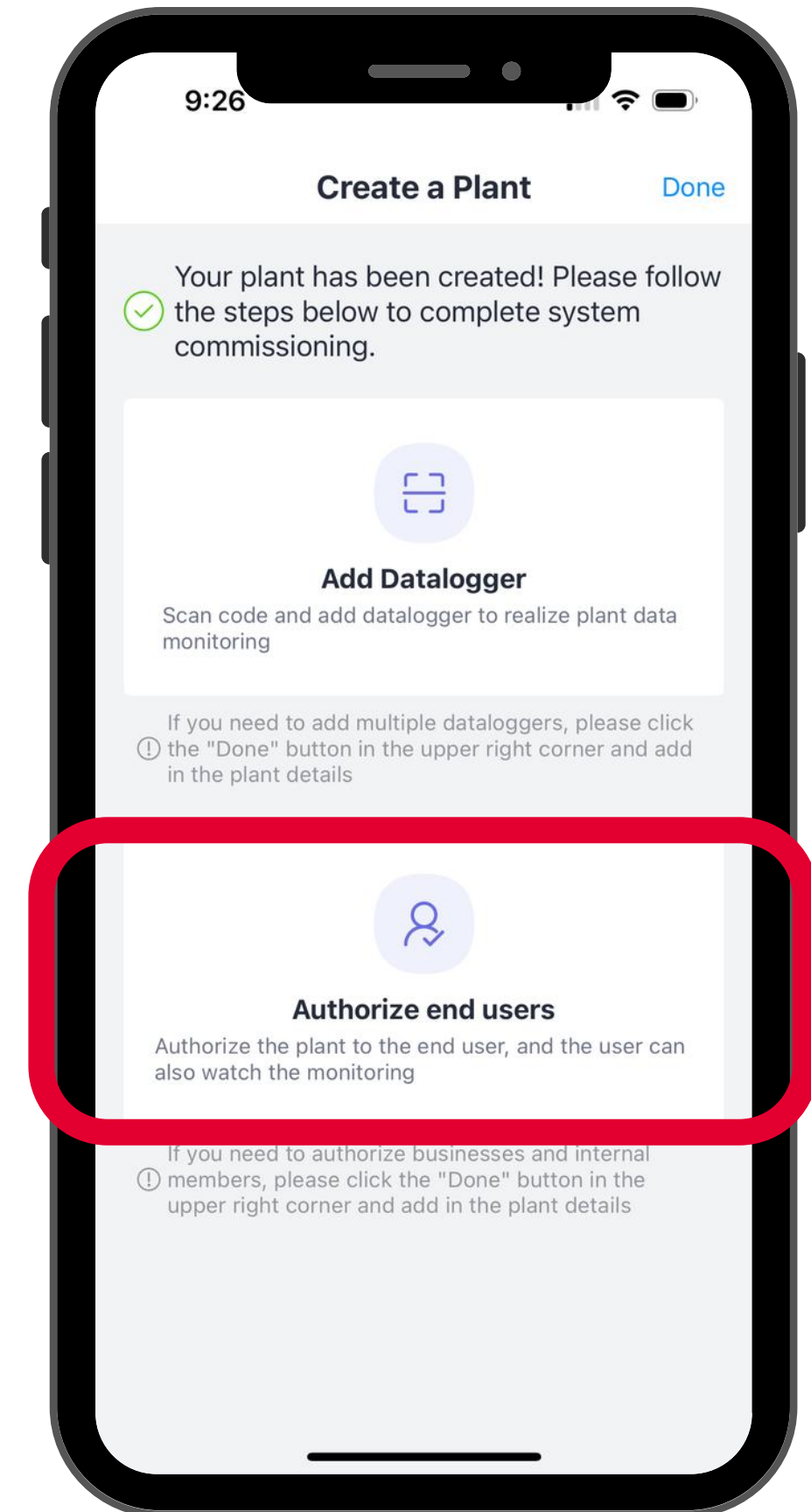
+ Click here to authorize end users



NEOVOLTA™

Authorize End User

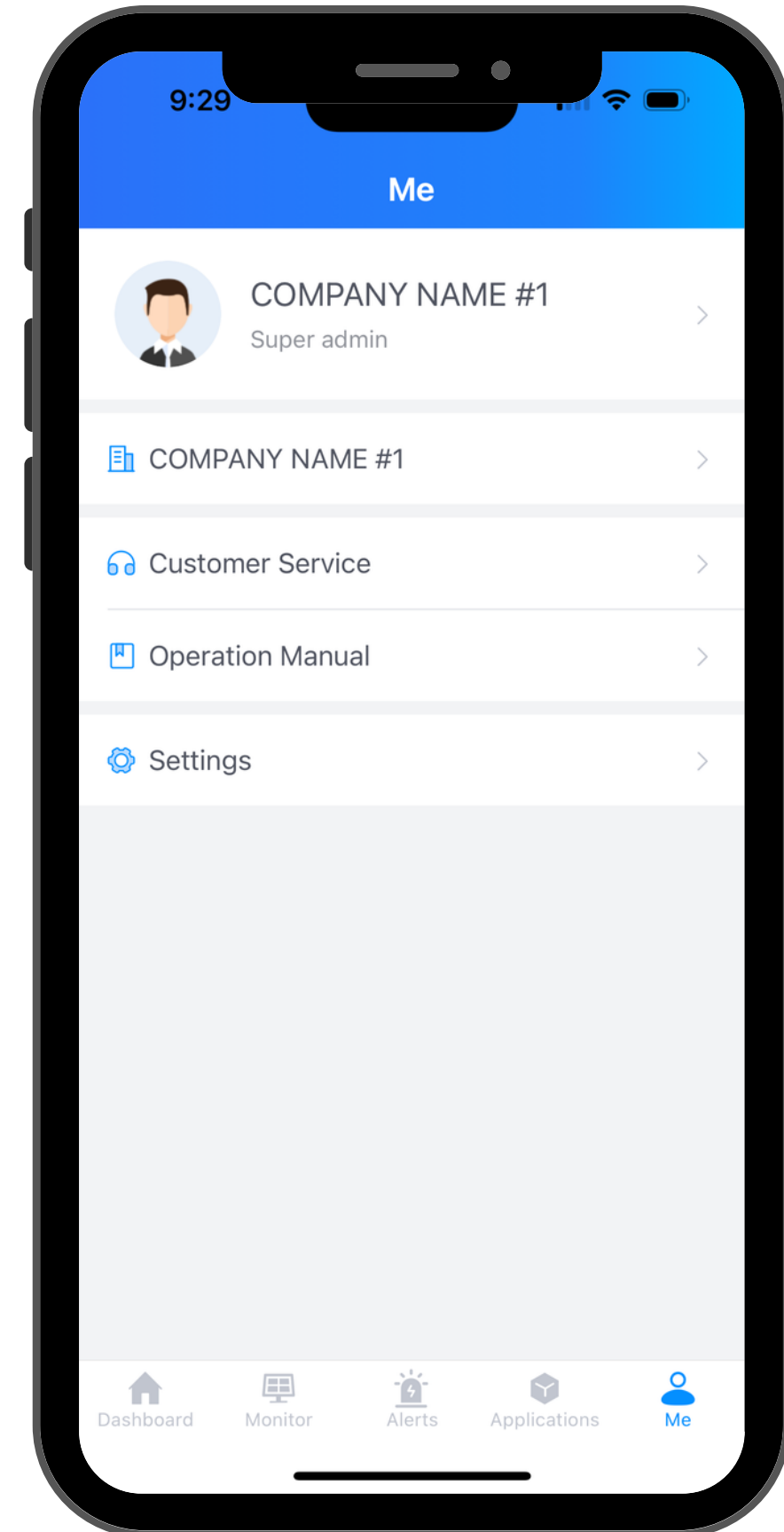
- Tap 'Authorize End User'
- Follow prompts to enter homeowner email address and create a temporary password
- Double check email and password before continuing
- Provide both to homeowner and have them download Solarman **Smart**
- If there are any login issues, they can select "forgot password" and it will have them create a new one



NEOVOLTA™

Me

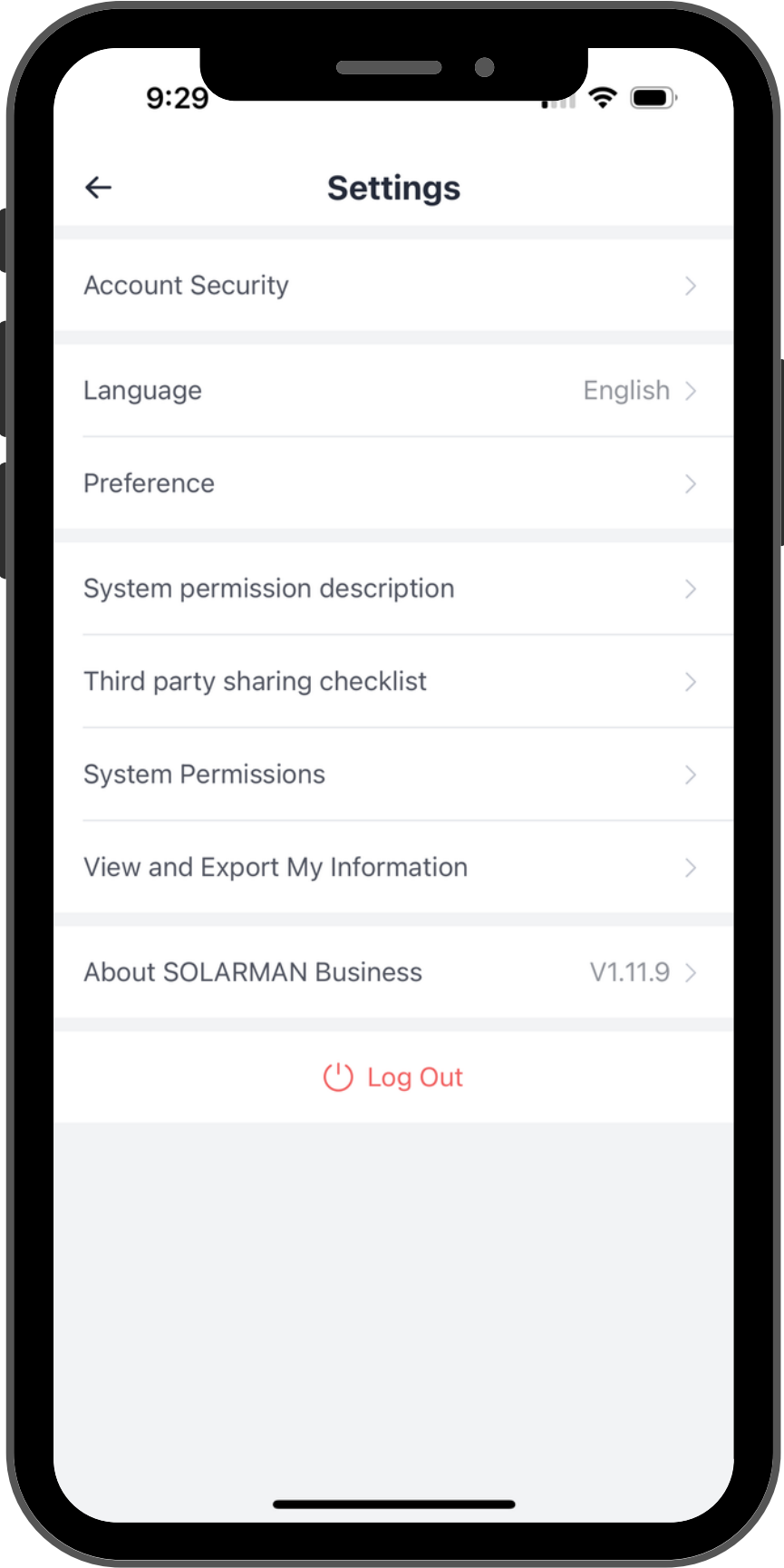
Can view your company
Make changes to Settings



NEOVOLTA™

Settings

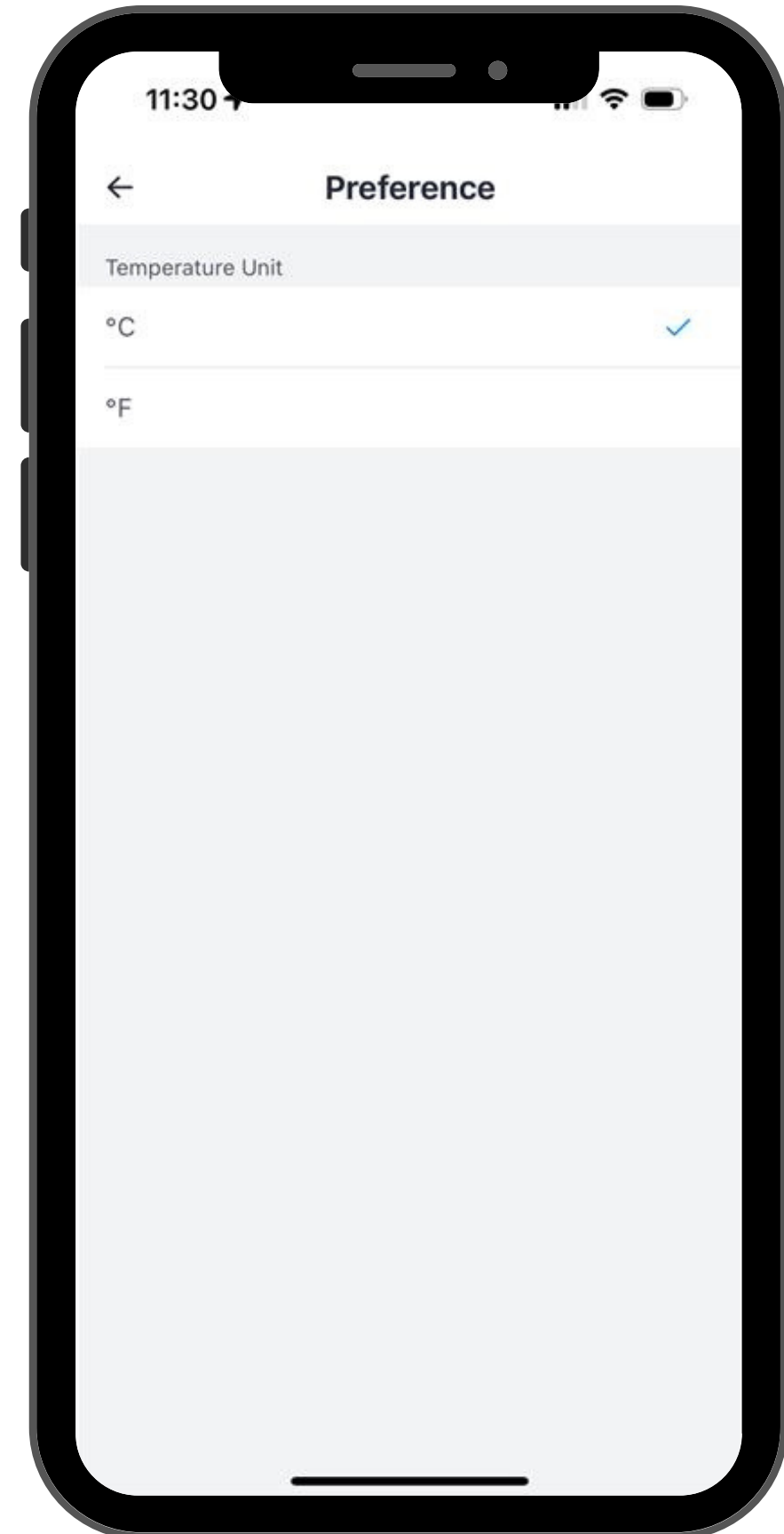
Edit the Temperature
Preference
Select Preference



NEOVOLTA™

Tempature

- Select Celsius or Fahrenheit

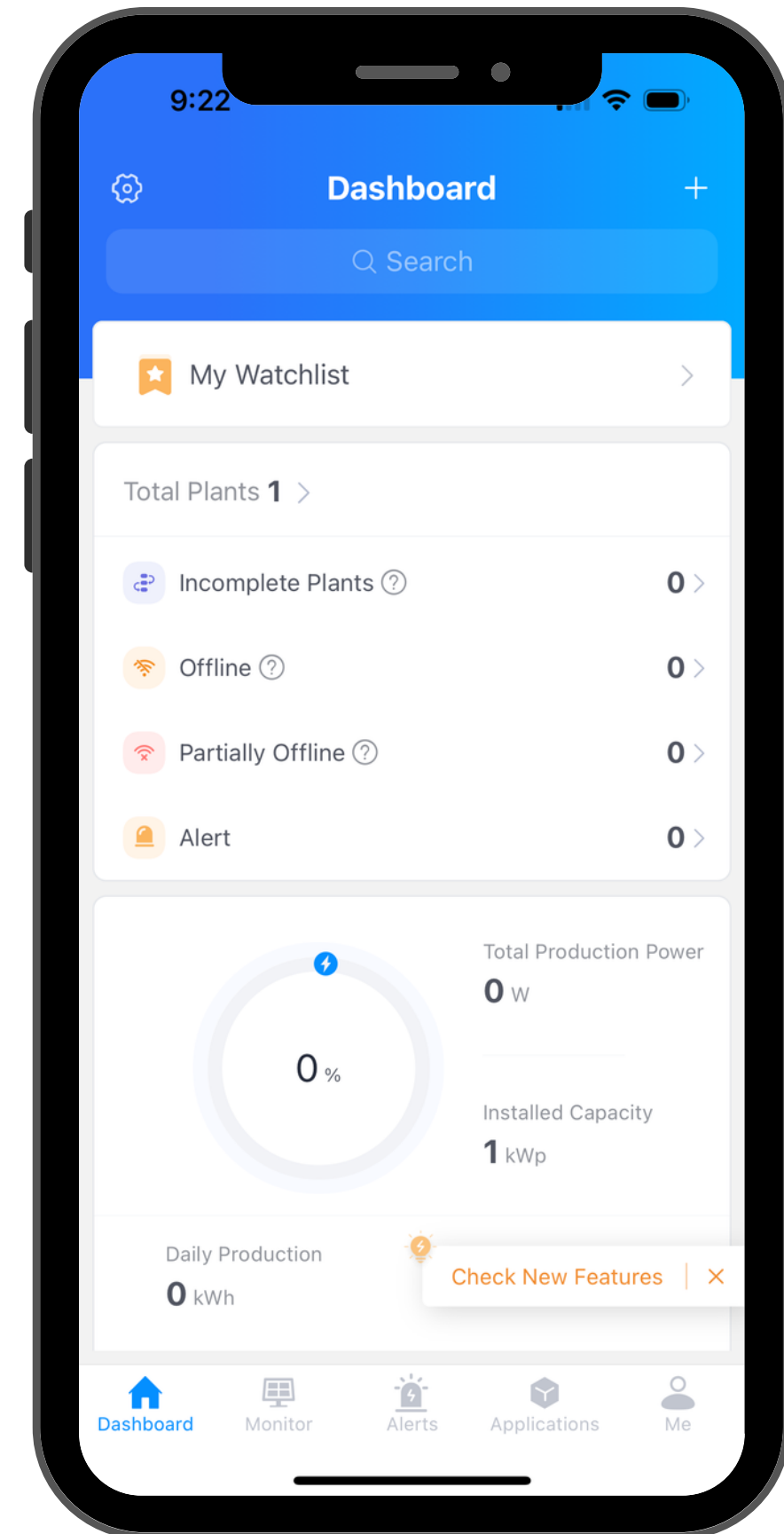


NEOVOLTA™

Complete

Dashboard

- 1 Plant now displays



N E O V O L T A™

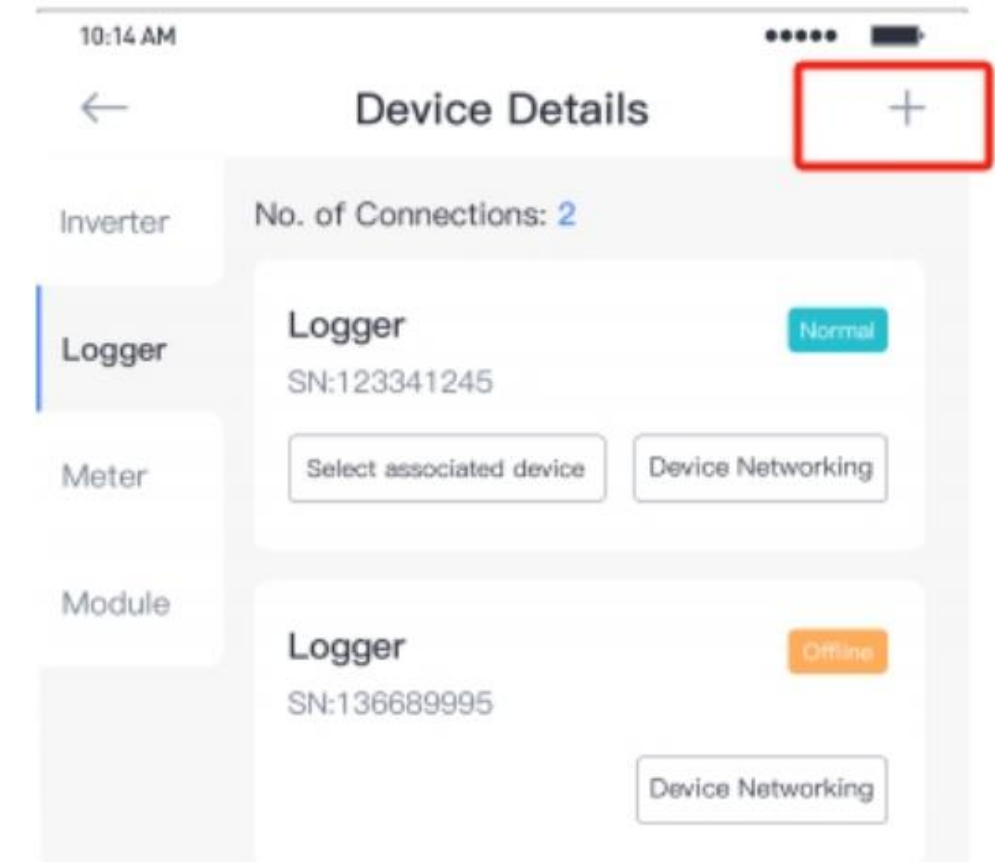
Solarman Business Settings

If the inverters are not programmed on the LCD screen, they can be programmed remotely.

NEOVOLTA™

Solarman Business Settings for Parallel Inverters

Add both inverters on the same
plant






N E O V O L T A™

Solarman Business

Settings for Parallel Inverters

Label as Primary (Master)
and Secondary (Slave)
accordingly

<div>Inverter</div>		Logger
Name/SN 		Status
<input type="checkbox"/>	Master 2409286296	
<input type="checkbox"/>	Slave 2409286293	

N E O V O L T A™

Solarman Business Settings

- 1. Under Plant Info
- 2. Select the correct Time Zone
- 3. Select System Type:
 - PV + Grid + Consumption + Battery
- 4. Add the Owner Info
- 5. Select Done

Time Zone :

(UTC-07:00) Pacific Time (US & Canada) ▾

System Type : ?

PV + Grid + Consumption + Battery ▾

Owner Info

Contact Person :

Phone :

Business Name :

Collapse ^

N E O V O L T A™

Solarman Business Settings

Select the inverter and select Device Control

Master:2409286296

Online



2025/04

Details Alert Architecture Historical Data

Basic Information

SN: 2409286296	Inverter Type: Single phase LV Hybrid	General settings: 0,1,3,4,5,7,9,10,11,13,14,15
Battery Voltage Type: LV-48V	IMEI:	Rated Power: 8 kW

N E O V O L T A™

Solarman Business Settings for Parallel Inverters

On the slave inverter only program Advanced Function – 1 inverter. Program the slave inverters prior to the master.

Batch CommandSingle CommandCustomized CommandControl Log

Search command item

Export Results

Battery Setting-1Battery Setting-2Battery Setting-3System Work Mode-1System Work Mode-2Grid settingsSmartLoadBasic SettingAdvanced Function-1Advanced Function-2

Advanced Function-1

The current command group must be configured as a whole

* ARC Setup	* Gen peak-shaving	* Gen peak-shaving power	* Grid peak-shaving	* Grid peak-shaving power
OFF	Disable	8000W	Disable	8000W
* Backup Delay	* parallel	* Equipment mode	* Modbus SN	* Phase
0ms	Enable	Slave	2	A Phase
* Auto Detect Home Limit Sensors	* DRM	* Signal Island Mode	* BMS-stop	* CT ratio
Please Select	Disable	Disable	Disable	2000: 1
* EX_MeterCT	* Meter Select	* Grid Tie Meter2	* ATS Enable	* Low Power Mode
Disable	No Meter	Disable	ATS Disable, Status OFF	Disable
* Low Noise Mode	* MPPT Multi-Point Scanning			
Please Select	Disable			

NEOVOLTA™

Solarman Business Settings for Parallel Inverters

Program the master inverter with all the values. Program the master Advanced Function-1 last.

Batch CommandSingle CommandCustomized CommandControl Log

Search command item

Export Results

Battery Setting-1Battery Setting-2Battery Setting-3System Work Mode-1System Work Mode-2Grid settingsSmartLoadBasic SettingAdvanced Function-1Advanced Function-2

Advanced Function-1

* ARC Setup

OFF

* Backup Delay

0ms

* Auto Detect Home Limit Sensors

Please Select

* EX_MeterCT

Disable

* Low Noise Mode

Please Select

* Gen peak-shaving

Disable

* parallel

Enable

* DRM

Disable

* Meter Select

No Meter

* MPPT Multi-Point Scanning

Disable

* Gen peak-shaving power

8000W

* Equipment mode

Master

* Signal Island Mode

Disable

* Grid Tie Meter2

Disable

* Grid peak-shaving

Disable

* Modbus SN

1

* BMS-stop

Disable

* ATS Enable

ATS Disable, Status OFF

* Grid peak-shaving power

8000W

* Phase

A Phase

* CT ratio

2000: 1

* Low Power Mode

Disable

The current command group must be configured as a whole

N E O ∇ O L T A™

Solarman Business Settings for Parallel Inverters

- Continue with subsequent slides to program the master inverter.

Battery Setting - 1

Batch Command

Single Command

Customized Command

Control Log

Q

Search command item

⬆

Export Results

☰

Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid settings

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

Battery Setting-1

* Batt Type

BMS Lithium Batt

▼

* Battery Capacity

200

Ah

↺

* Batt Empty V

45.00

V

* Batt Resistance

8

mΩ

* Batt Charge Efficiency

99.0

%

i

The current command group must be configured as a whole

N E O V O L T A™

Battery Setting – 2

Batch Command

Single Command

Customized Command

Control Log

Search command item

Export Results

Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid settings

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

Battery Setting-2

* Max A Charge

185A

* Max A Discharge

185A

* Batt Shutdown %

10%

* Batt Restart %

22%

* Batt Low %

20%

* Activate Battery

Enable

* Lithium Mode

0

* Disable float charge

Disable

The current command group must be configured as a whole

Lithium Mode 0 for NVPlus

Lithium Mode 1 for NV14

Charge and discharge amps ONLY for PCS.

Max A Charge = 185A

Max A Discharge = 185A

Single inverters

Max A Charge= 100A

Max A Discharge = 150A

N E O V O L T A™

Battery Setting -3

Batch Command

Single Command

Customized Command

Control Log

Q

Search command item

Export Results

Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid settings

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

Battery Setting-3

* Grid Charge

Enable

* Grid Charge Ampere

185

A

* Gen Charge

Disable

* Gen Force

Disable

* Grid Signal

Enable

* Gen Signal

Disable

* Grid Start %

20

%

The current command group must be configured as a whole

ONLY for PCS:
Grid Charge Ampere =
185A

Only for Single inverters:
If no grid charge, Grid Charge Ampere =10A
If grid charge, Grid Charge Ampere = 75A

NEOVOLTA™

System Work Mode-1

Batch CommandSingle CommandCustomized CommandControl Log

Search command item

Export Results

Battery Setting-1Battery Setting-2Battery Setting-3System Work Mode-1System Work Mode-2Grid settingsSmartLoadBasic SettingAdvanced Function-1Advanced Function-2

System Work Mode-1

* System Work Mode

Zero Export to Load

Grid Selling First

Zero Export to Load

Zero Export to CT

Batt First

* Solar Sell

Disable

* Zero export power

20

* Setup

☐ Monday☐ Tuesday☐ Wednesday☐ Thursday☐ Friday☐ Saturday☐ Sunday

* Max Sell Power

8000

W

* Max Solar Power

9000

The current command group must be configured as a whole

System Work Mode:

NO CTs – set to Zero Export to Load

CTs– set to Zero Export to CT

NEOVOLTA™

System Work Mode-1

Batch Command

Single Command

Customized Command

Control Log

Search command item

Export Results

Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid settings

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

System Work Mode-1

* System Work Mode

Zero Export to Load

* Solar Sell

Disable

* Setup

☐ Monday

☐ Tuesday

☐ Wednesday

☐ Thursday

☐ Friday

☐ Saturday

☐ Sunday

* Max Sell Power

8000

W

* Max Solar Power

9000

* Energy Pattern

Batt First

Batt First

Load First

* Zero export power

20

The current command group must be configured as a whole

Energy Pattern:

- ### Load First

Batt First: PV power is firstly used to charge the battery and then used to power the load. If PV power is insufficient, grid will make supplement for battery and load simultaneously.

Load First: PV power is firstly used to power the load and then used to charge the battery. If PV power is insufficient, grid will make supplement for battery and load simultaneously.

N E O V O L T A™

System Work Mode-1

Batch Command

Single Command

Customized Command

Control Log

Search command item

Export Results



Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid settings

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

System Work Mode-1

* System Work Mode

Zero Export to CT

* Solar Sell

Enable

* Setup

- ☐ Monday ☐ Tuesday
☐ Wednesday ☐ Thursday
☐ Friday ☐ Saturday
☐ Sunday

* Max Sell Power

8500 W

* Max Solar Power

8500

The current command group must be configured as a whole

* Energy Pattern

Load First

* Zero export power

20

**Solar Sell:
Enable**

Either all days deselected or have all the days selected

NEOVOLTA™

System Work Mode-2

Batch CommandSingle CommandCustomized CommandControl Log

Search command item

Export Results

Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid settings

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

System Work Mode-2

The current command group must be configured as a whole

* Time of Use

ON

Time	Grid Charge	Gen	Start Time	End Time	Power	Batt
Time 1	ON	OFF	01:00	05:00	8000W	30%
Time 2	ON	OFF	05:00	08:00	8000W	30%
Time 3	OFF	OFF	08:00	12:00	8000W	100%
Time 4	OFF	OFF	12:00	16:00	8000W	100%
Time 5	ON	OFF	16:00	21:00	8000W	30%
Time 6	ON	OFF	21:00	01:00	8000W	30%

NEOVOLTA™

Grid Settings Enter 7777

Batch CommandSingle CommandCustomized CommandControl Log

Search command item

Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid settings

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

Grid settings

To configure the grid, please enter the password to unlock

7777

Unlock

NEOVOLTA™

Grid Setting – Basic

Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid Setting-Basic

Grid Setting-Connect

Grid Setting-IP Protection

Grid Setting-F(W)

Grid Setting-V(W)V(Q)

Grid Setting-P(Q)P(F)

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

Grid Setting-Basic

* Grid Mode

CPUC RULE21

* import power limiter

10350

* PF

1.000

* Export power limiter

8000

* Grid Frequency

60Hz

* Grid Type

120/240V Split Phase

* Inverter output voltage

120/240V

The current command group must be configured as a whole

NEOVOLTA™

Basic Setting

Batch CommandSingle CommandCustomized CommandControl Log

Search command item

Export Results

☰

Battery Setting-1

Battery Setting-2

Battery Setting-3

System Work Mode-1

System Work Mode-2

Grid settings

SmartLoad

Basic Setting

Advanced Function-1

Advanced Function-2

Basic Setting

* AM/PM

Disable

* BEEP

Disable

* Auto Dim

Enable

* lock out all changes

Disable

* System Time

2025-06-29 07:40:51

* Factory Reset

Disable

* Time Syncs

Enable

The current command group must be configured as a whole

Auto Dim – Enable.

BEEP – Disable.

N E O V O L T A™

Solarman Business Settings for Parallel Inverters

- Verify the slave has the same parameters from the master.
- For example, check to see if the slave inverter has the same settings as the Master.
- Select Battery Setting-2
 - Max A Charge 185A
 - Max A Discharge 185A