

TerraConfig Mobile App

User Guide v3.5.0

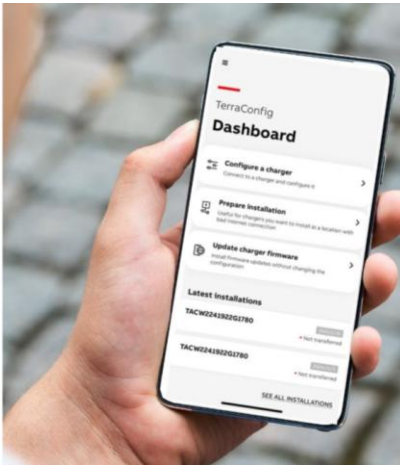


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Get easy access to
TerraConfig App



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2 TerraConfig App guides you to successfully configure a charger



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3 Easily manage your installation related activities and save installation time



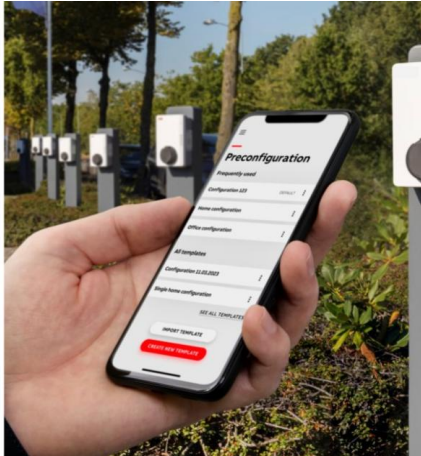
- 3.1 Transfer to Owner
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Even if the phone has no internet signal, it can still debug the charger



4.1 Prepare installation

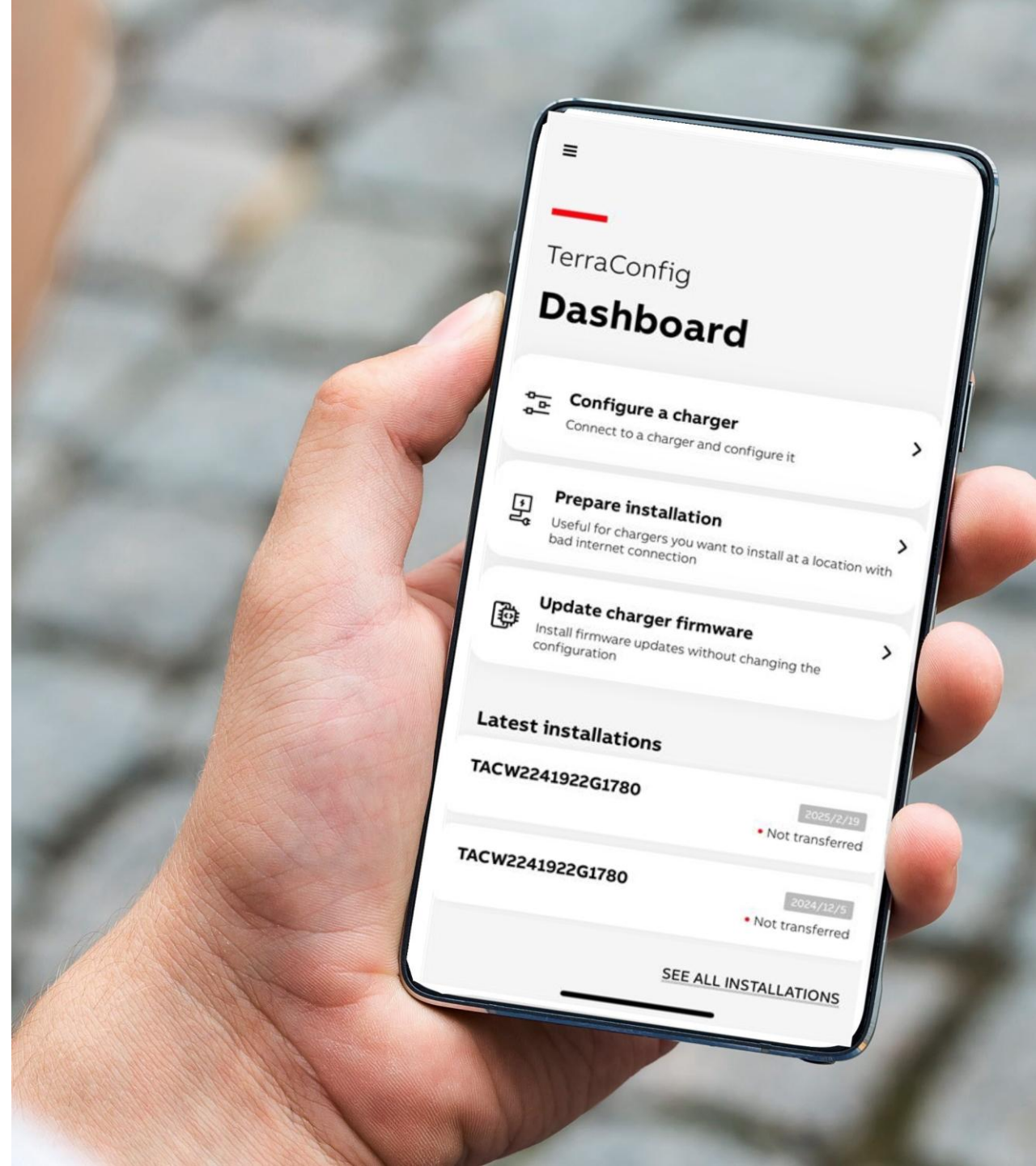
4.2 Update charger firmware

| Onboarding for TerraConfig

One-Time Setup



Get easy access to
TerraConfig App

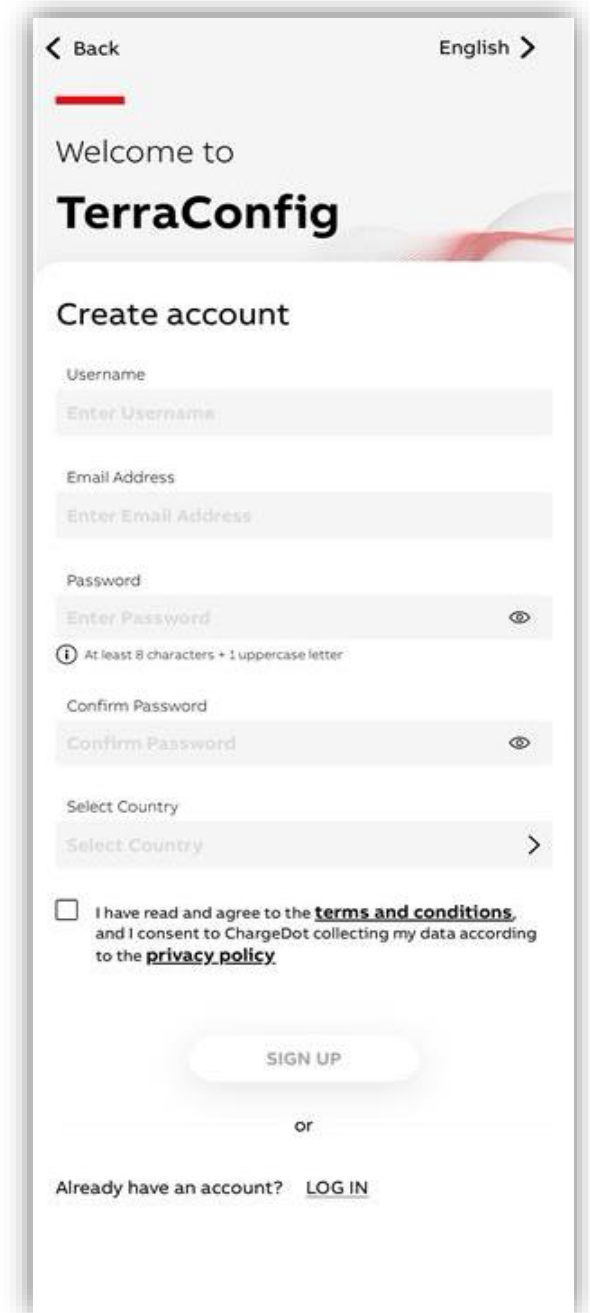


Sign Up

Easily create your account in TerraConfig, a valuable tool for individual installers looking to quickly commission a charger.

As an installer, you are required to confirm that you possess the necessary qualifications to carry out the installation and commissioning process.

- The sign up process will include account activation via email
- If you are migrating from the *TerraConfig (Legacy)* mobile app to this *TerraConfig* mobile app, it is not necessary to sign up again



The screenshot shows the 'Create account' screen of the TerraConfig mobile app. At the top, there is a 'Back' button and the language is set to 'English'. Below the header, it says 'Welcome to TerraConfig'. The main section is titled 'Create account' and contains several input fields: 'Username' (placeholder: Enter Username), 'Email Address' (placeholder: Enter Email Address), 'Password' (placeholder: Enter Password, with a toggle for visibility), and 'Confirm Password' (placeholder: Confirm Password, with a toggle for visibility). A note below the password field states: 'At least 8 characters + 1 uppercase letter'. Below these fields is a 'Select Country' dropdown menu. At the bottom, there is a checkbox for 'I have read and agree to the [terms and conditions](#) and I consent to ChargeDot collecting my data according to the [privacy policy](#)'. A 'SIGN UP' button is located below the checkbox. Below the button is the word 'or'. At the very bottom, it says 'Already have an account? [LOG IN](#)'.

| Account Setup



If your company already has an account in the TerraConfig portal and you need access to specific installation configurations, please contact your company's TerraConfig portal administrator or your local sales representative for assistance."

- After your account creation, you will receive an email to login to your account
- If you are migrating from the *TerraConfig (Legacy)* mobile app to this *TerraConfig* mobile app, there is no need to create a separate account



WELCOME TO TERRA AC

TerraConfig APP

Account Activation

....

Your account details are:

Username: xxx..

Password: yyy..

Login

Login to your account.

If you are migrating from existing *TerraConfig (Legacy)* to this *TerraConfig* mobile app, you can easily login with the same account.

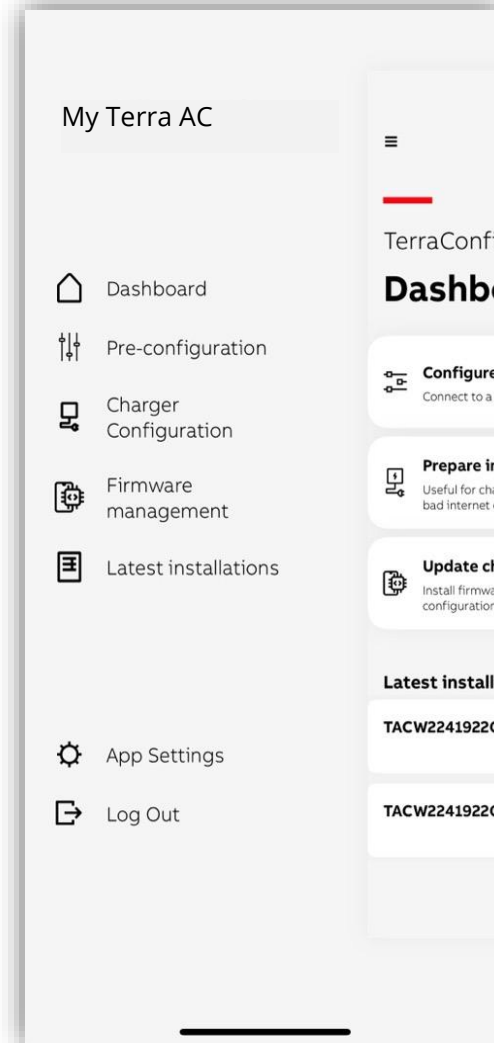
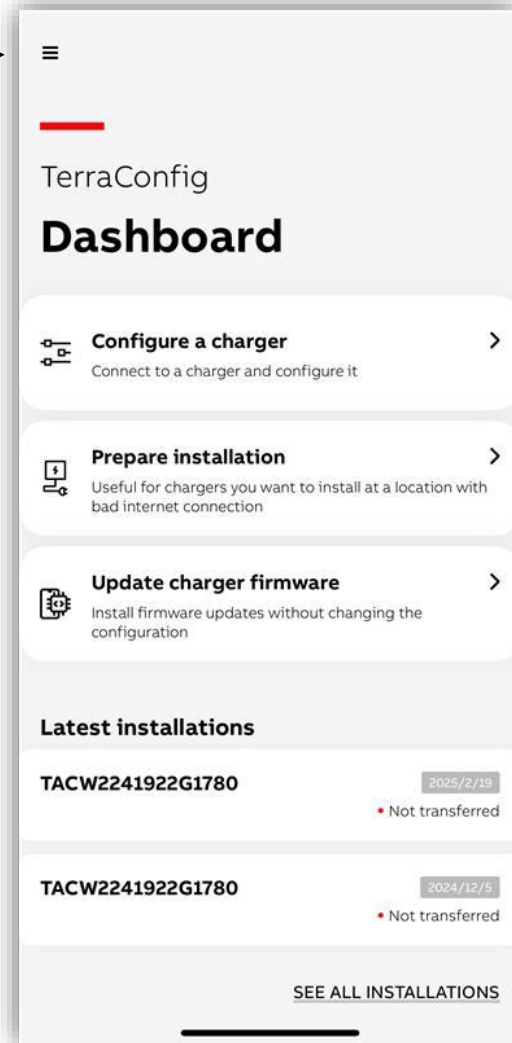
A screenshot of the TerraConfig mobile app login screen. The screen is white with a red header bar at the top. In the top right corner, it says 'English >'. Below the header, it says 'Welcome to' followed by 'TerraConfig' in a large, bold, black font. Underneath, there's a 'Log in' section. It contains two input fields: 'Email Address' with a placeholder 'Enter Email Address' and 'Password' with a placeholder 'Enter Password' and an eye icon to toggle visibility. Below the password field is a link 'FORGOT PASSWORD'. A 'LOG IN' button is centered below the links. Below the button is the word 'or'. At the bottom, it says 'Need an account?' followed by a 'SIGN UP' link. The screen is framed by a grey border, and a black home indicator bar is visible at the very bottom.

| App Menu Overview

Navigations



Menu →



| App Personalization

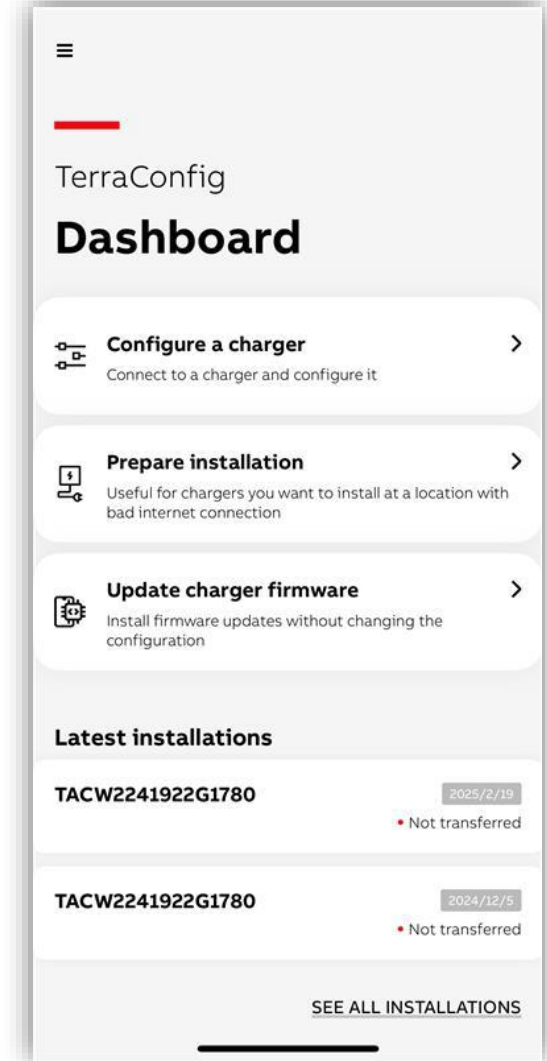
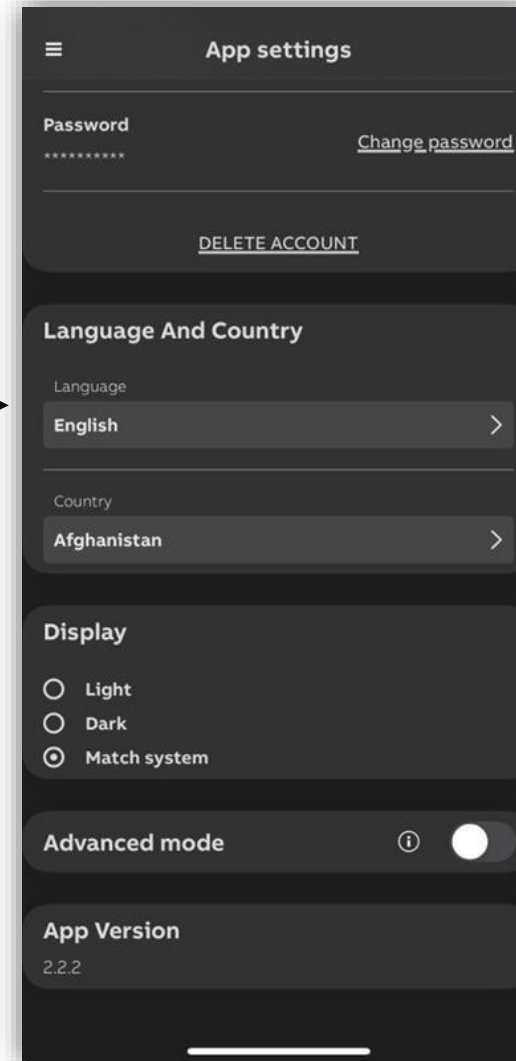
App account related details can be viewed and managed.

This can be accessed from Menu >>> App settings

Choose your preferred language →

Languages supported by the app

Croatian, Czech, Danish, Dutch, Estonian, Finnish, French, Hebrew, Hungarian, German, Greek, Italian, Japanese, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese, Romanian, Slovak, Slovenian, Spanish, Swedish and Turkish.

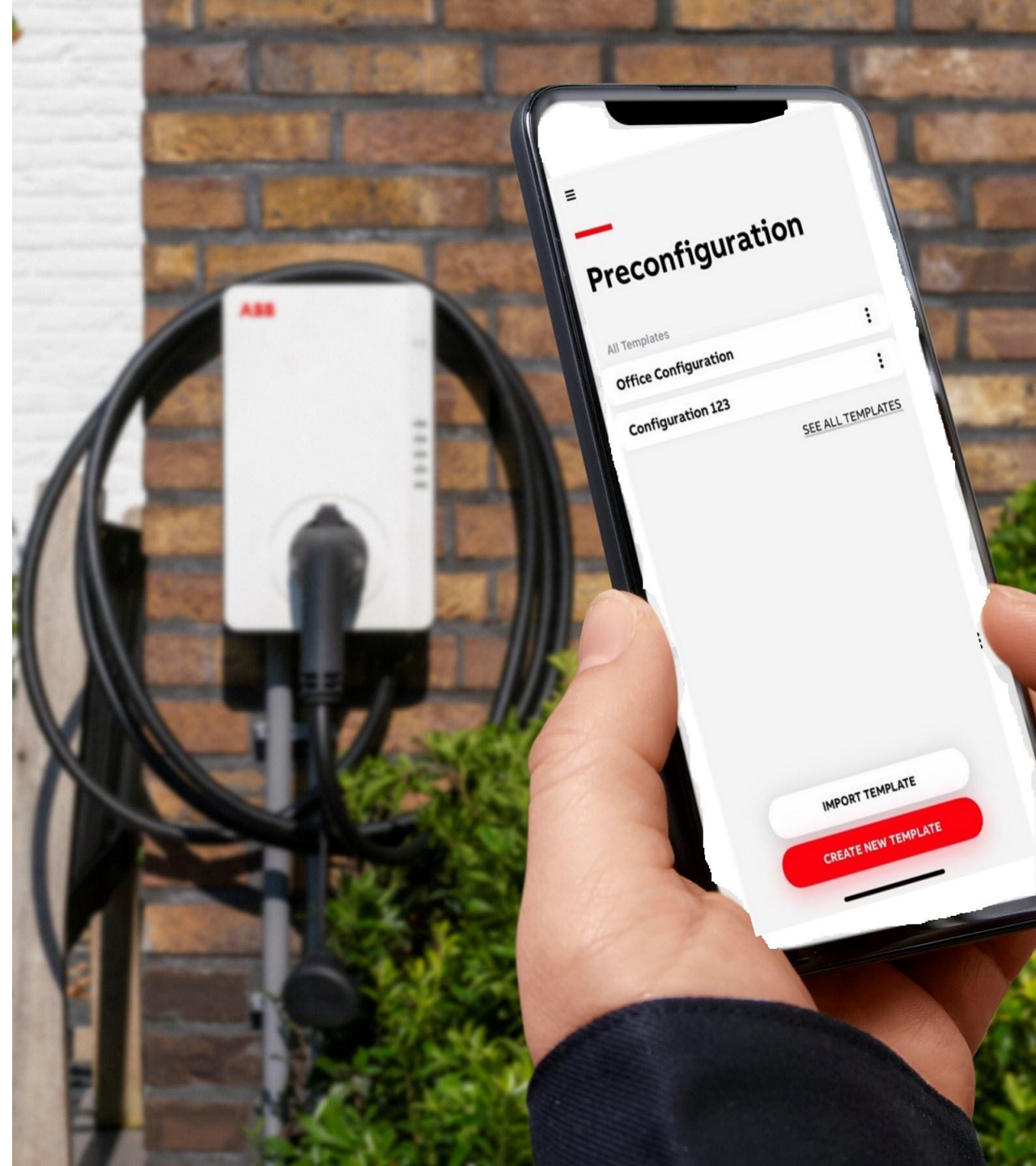


| Commission a Charger

Basic Essential Operation

2

TerraConfig App guides you to successfully configure a charger

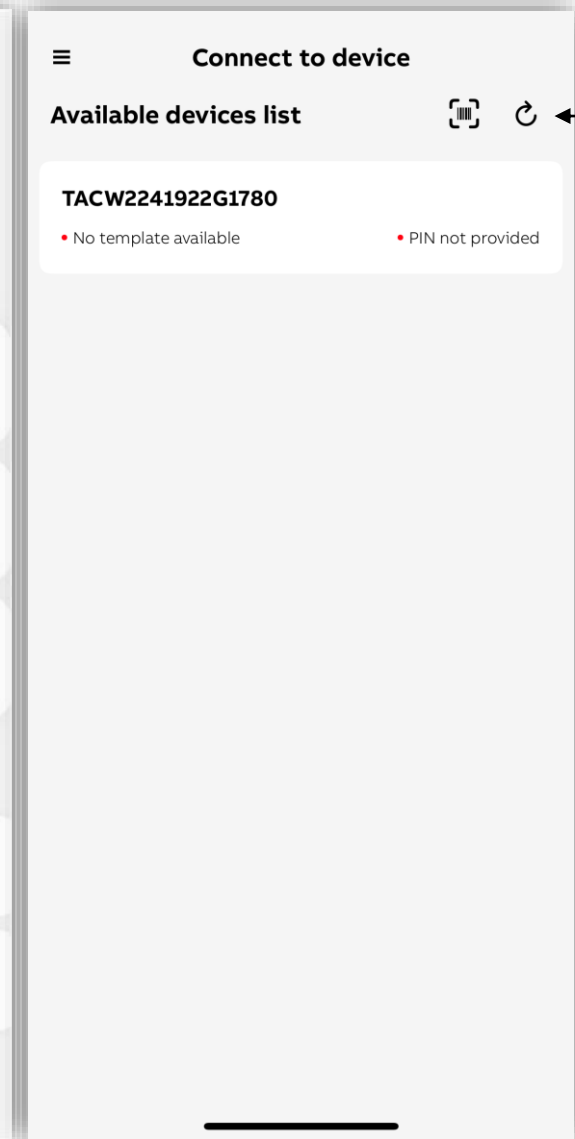
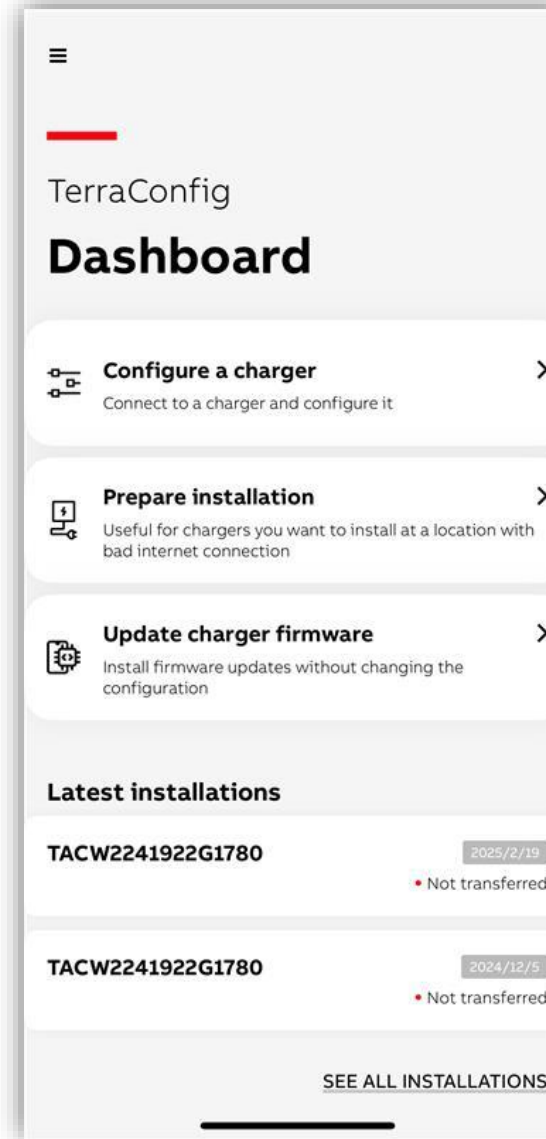


Select a Charger



After the electrical installation of a charger, select a charger to configure it.

- Select 'configure a charger' in the dashboard
- Turn on your phone's Bluetooth since it is needed for app to communicate with charger during commissioning
- Select a charger from the available list



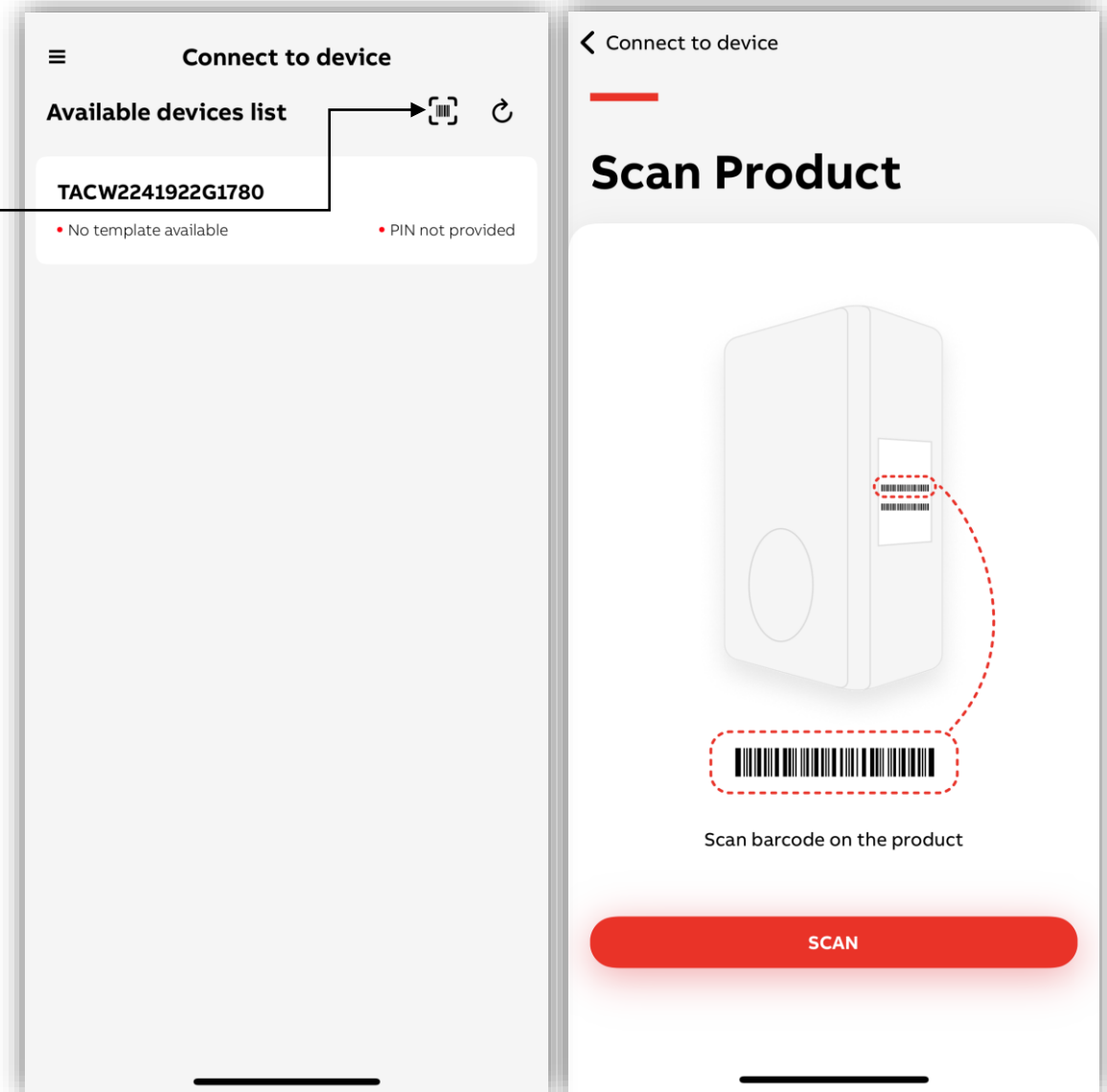
Refresh the list of chargers

| Select a Charger

Alternatively, you can also select a charger by scanning the SN bar code of a charger

- While scanning, please ensure you are scanning the charger SN bar code found at the side of the charger (usually starting with TACxxxxxxxxxxx, though this may vary based on the product variant)

Click here to scan SN bar code



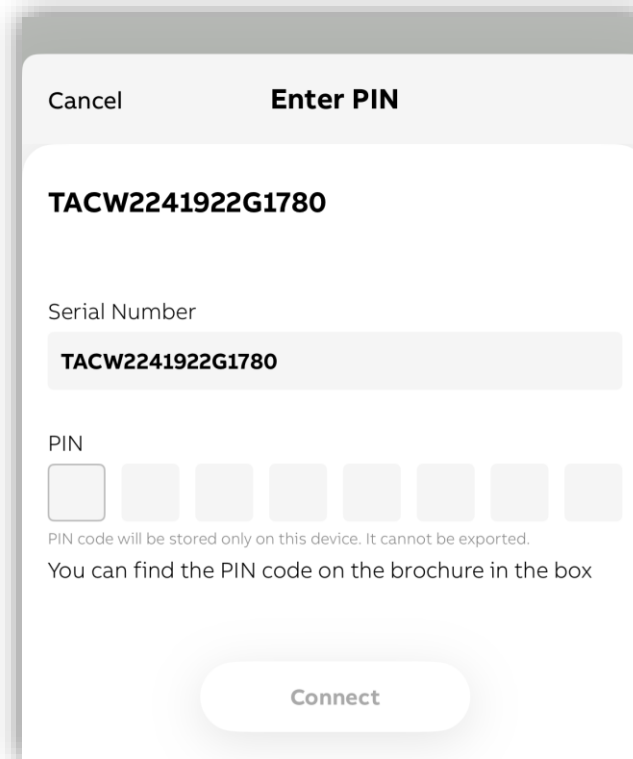
| Connect a Charger

After selecting a charger to connect, enter the PIN (found in booklet that comes with charger).

Select “start from scratch” and confirm to proceed to the next step.

- Phone/mobile app needs to have internet connection for PIN validation
- While moving to next step, the app will indicate that configuration settings will be configured to charger upon tapping “confirm”.

For the first configuration,
no template is available



The 'Enter PIN' screen features a 'Cancel' button at the top left and the title 'Enter PIN' at the top center. Below the title, the serial number 'TACW2241922G1780' is displayed. Under the heading 'Serial Number', the same serial number is shown in a light gray box. The 'PIN' section consists of eight empty square input boxes. Below these boxes, a note states: 'PIN code will be stored only on this device. It cannot be exported. You can find the PIN code on the brochure in the box'. At the bottom center, there is a rounded 'Connect' button.



The 'Choose Configuration' screen has a '< Back' button at the top left and the title 'Choose Configuration' at the top right. The serial number 'TACW2241922G1780' is displayed, followed by the instruction: 'Choose the configuration available for the charger with a matching serial number or a default one.' Below this, the option 'Start from scratch' is shown with a checkmark icon to its right. At the bottom right, there is a red 'CONFIRM' button. Above this button, the text 'EDIT CURRENT CONFIGURATION' is visible with a small underline.

Configure Settings



Product details, logs

Bluetooth connectivity status

After selecting the networking mode, corresponding symbol will turn green

Options to reuse the installation configuration setting by applying it to different chargers

Maximum Charging current

Location of the charger

Firmware version

Internet connectivity of a charger

To set free-vending charging model

Backoffice or OCPP server connection

The screenshot shows the 'Configure a charger' interface. At the top, there is a 'Back' button and the title 'Configure a charger'. Below the title, the charger ID 'TACW2241922G1780' is displayed with an information icon. A 'Start from scratch' button is located below the ID. The Bluetooth connectivity status is shown with three icons: a factory icon, a Wi-Fi icon, and a cellular signal icon. A green Bluetooth icon with the text 'Disconnect' is also present. Below these are two buttons: 'Save as a template' and 'Choose template'. The 'User settable max current' section shows a slider set to 'A' of 32 A max charging current. The 'Location' section shows 'China' and the 'Name' section shows 'TACW2241922G1780'. The 'Firmware' section shows 'v1.8.21' and 'Up to date'. The 'Connections' section shows 'Not configured'. The 'Free vending' section shows 'Activated'. The 'OCPP Server' section shows 'ABB'.

Configure Settings

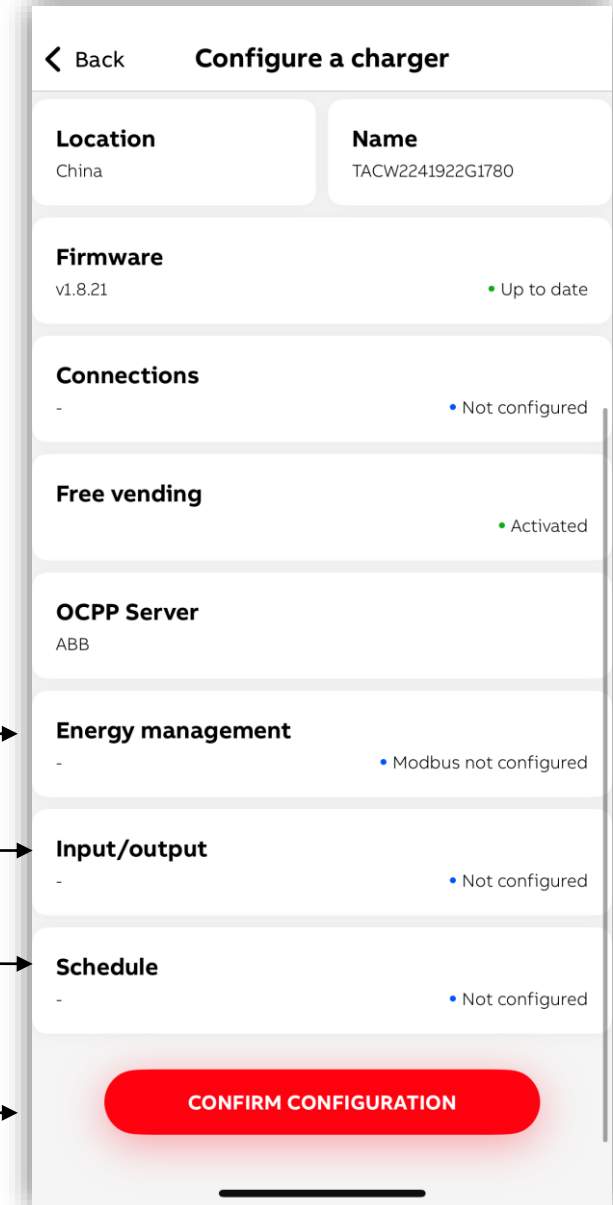
In general, for any of the settings, there will be 'save/cancel' option while entering the settings. Note that changes will only be configured after clicking on 'confirm configuration', not after each save.

Load management topology and
smart meter/Modbus settings

Dry contacts/IO settings

Maximum current limit
for special time slots

All settings will be
transferred to charger



< Back **Configure a charger**

Location China	Name TACW2241922G1780
Firmware v1.8.21 • Up to date	
Connections - • Not configured	
Free vending • Activated	
OCPP Server ABB	
Energy management - • Modbus not configured	
Input/output - • Not configured	
Schedule - • Not configured	
CONFIRM CONFIGURATION	

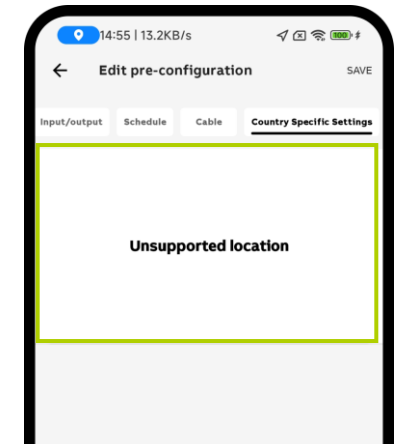
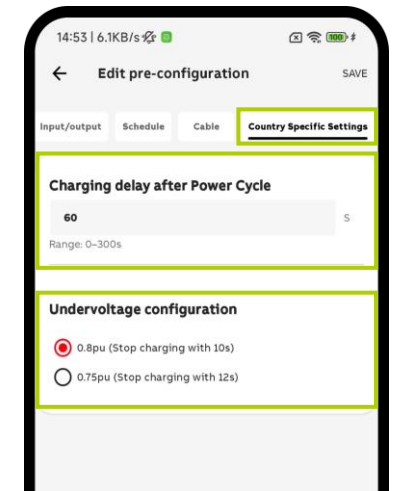
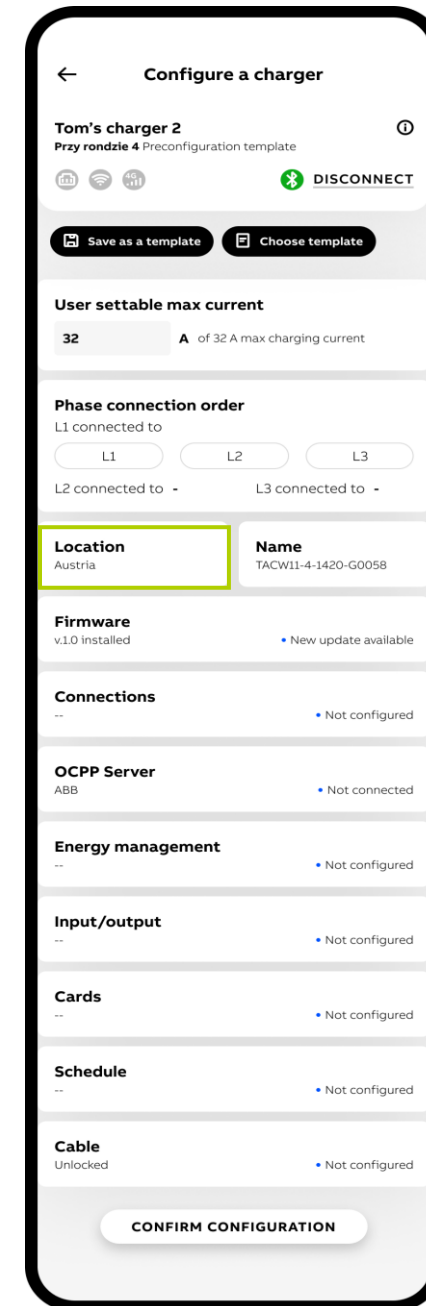
ÖVE R37 Configuration

Mandatory configuration in Austria

To comply with Austrian regulations, two parameters must be set:

- **Delay start**
- **Undervoltage protection**

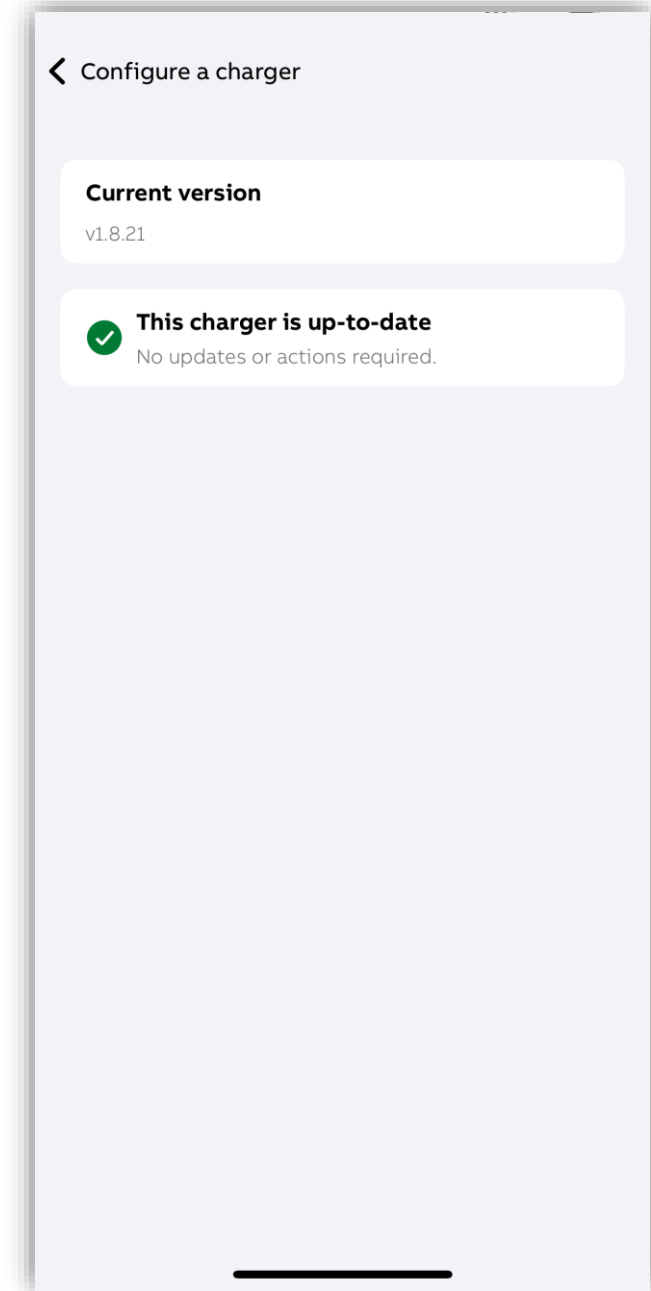
- When the app connects to a charger that supports ÖVE R37 settings, a new tab titled 'Country Specific Settings' will appear. After the user selects 'Austria' as the country, the features above will be automatically configured with their default values. If other countries are selected, this page will display 'Unsupported location'.
- 'Delay start' will be displayed as 60s (default value), adjustable between 0-300s.
- 'Undervoltage protection' will be displayed as '0.80 pu, stop charging within 10 seconds' (default value), and can be manually changed to '0.80 pu, stop charging within 12 seconds'.



Firmware Update

Please always check and update the firmware to the latest version.

Firmware updates during commissioning are possible via Bluetooth, and the app will guide you to download the right firmware packages according to the product variant.

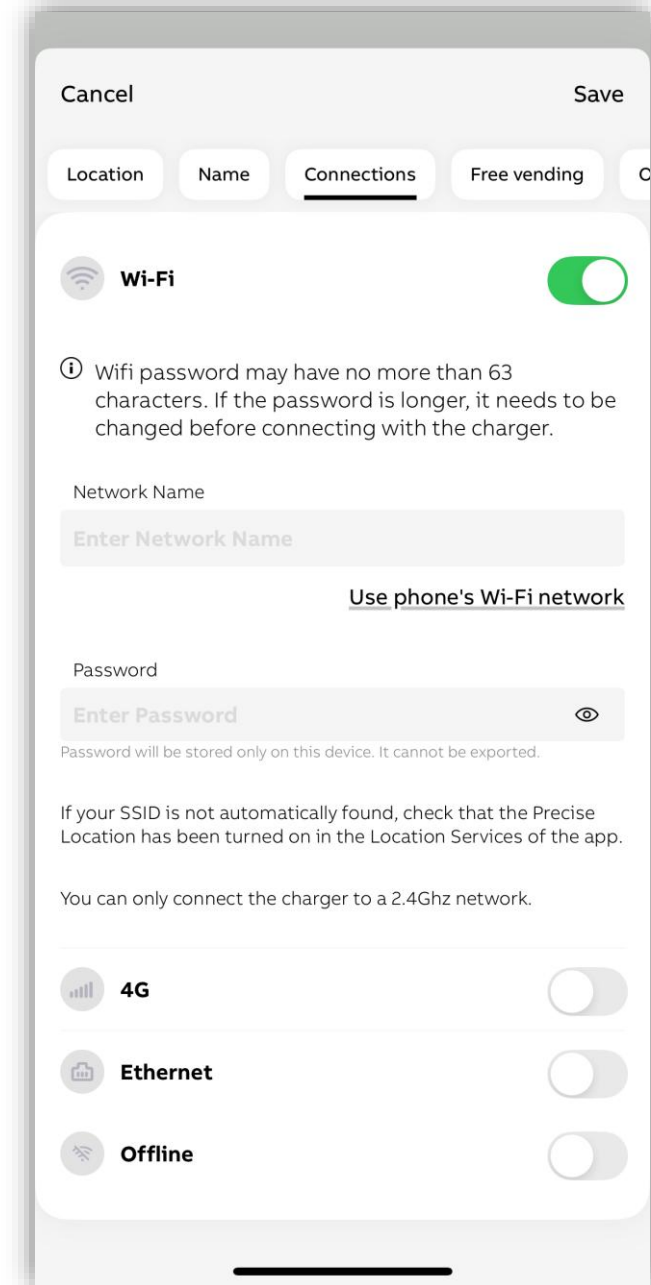


Network Connection

Internet connection is optional for charger and this needs to be configured according to customer preferences.

The app provides the following connection configuration options: WiFi, 4G, LAN/Ethernet, Offline.

- The Terra AC wallbox can operate with a 2.4GHz Wi-Fi network, and can be configured with or without a password
- Location service is not mandatory to establish a successful connection

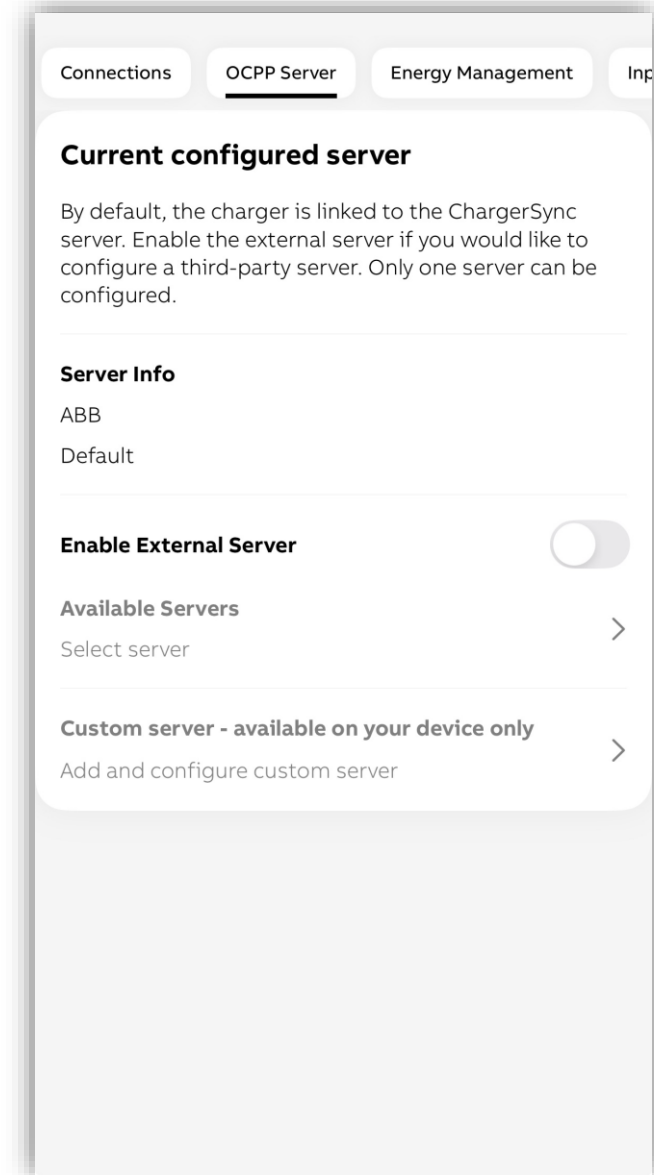


| OCPP Server

Default - ChargerSync Server

Terra AC wallbox will be configured to connect with ABB's server by default.

This enables the end user to control the charger remotely via the ChargerSync mobile app.



OCPP Server

External Backend



New OCPP URL

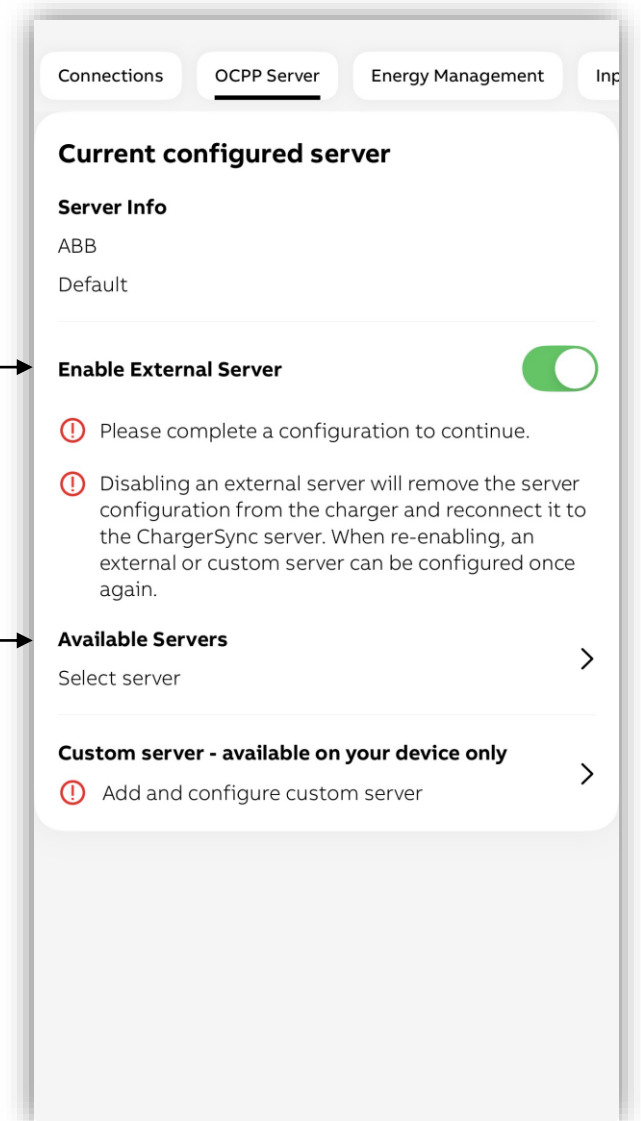
- If an OCPP URL needs to become visible for installers in the TerraConfig mobile app, contact your local sales representative for the onboarding process to ensure that the Terra AC wallbox charger is compatible with the OCPP backend
- Backend providers can decide with the support of digital teams (in TerraConfig portal) whether to make the OCPP URL visible for all self-signup users (part of 'Self Registered Company') or to specific company users using the TerraConfig portal

Existing OCPP URL

- If your company already has an existing OCPP URL/account in the TerraConfig portal, please reach out to your company's TerraConfig portal administrator. If your TerraConfig mobile account is added by your company, you will be able to see the OCPP profile automatically

**Configure external
OCPP server**

**Select server to be
connected**

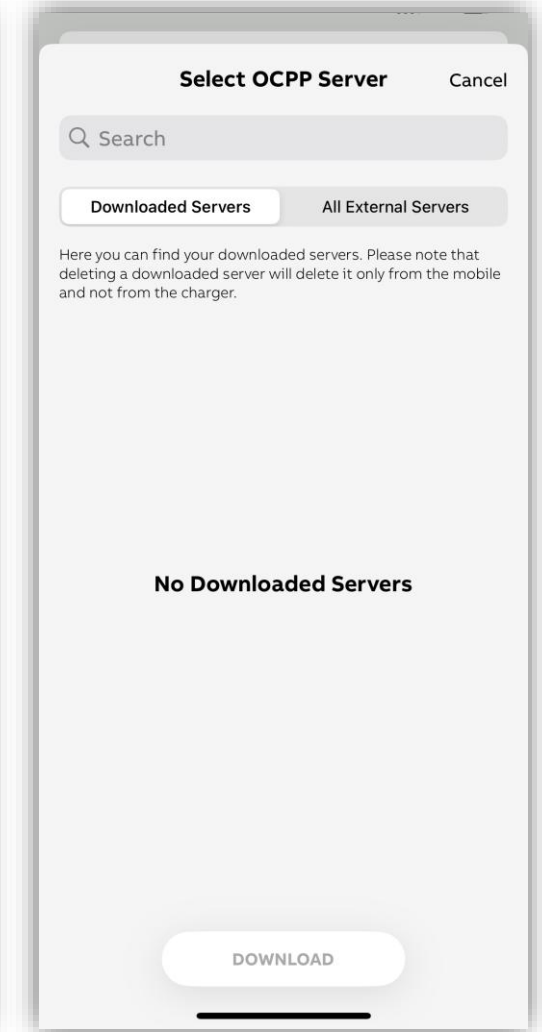
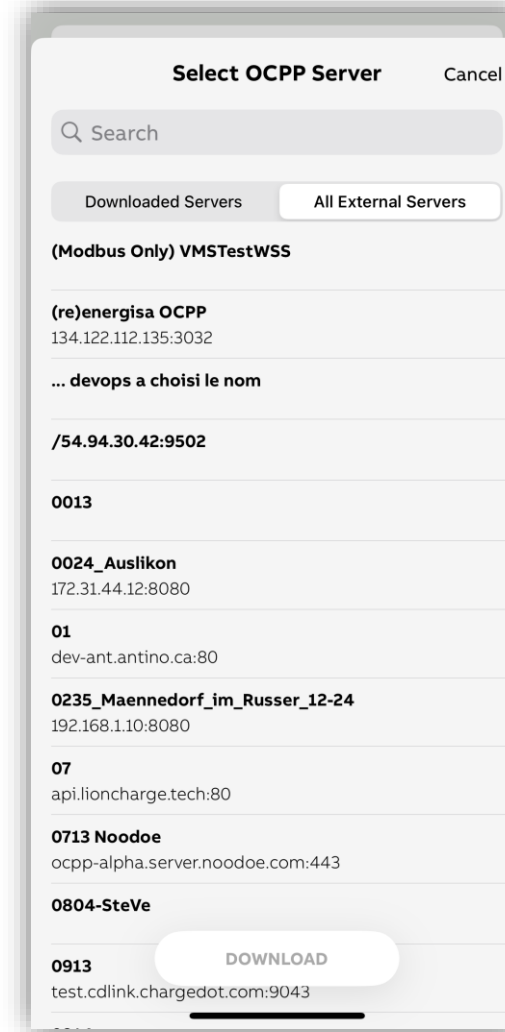


OCPP Server

External Backend



- Go to 'All External Servers'
 - Select the server and 'Download'
 - Go to 'Downloaded Servers', select the URL and 'Configure'
-
- The app supports both unsecured (ws) and secured (wss) OCPP URL which could be preconfigured by a company/CPO
 - Terra AC wall box supports OCPP1.6J protocol



OCPP Server

Custom OCPP Server



You can also directly enter and configure the secured or unsecured OCPP server URL to connect a charger with any OCPP1.6J protocol backend.

This option allows input of an unencrypted or encrypted (without certificate) address. Please note encrypted (without certificate) OCPP addresses needs to be on the Terra AC 2.0 version or the charger firmware version to be higher than V1.8.32.

http://example.com:portnumber/endpoint

Or

ws://example.com:portnumber/endpoint

Optional: set a password for the OCPP server

A screenshot of a mobile application interface for adding a custom OCPP server. The screen has a white background with a grey header bar at the top containing the title 'Add custom OCPP Server' and a 'Cancel' button. Below the header is a white card with the title 'Custom OCPP server'. Inside the card, there is a paragraph of text: 'Please note that the custom server will only be available on your device. Only unencrypted server URLs can be used. If no port is provided, we will use port 80 by default.' Below this text is a section titled 'Server Info' with a text input field containing 'http://'. To the right of the input field, there is a note: 'The maximum length of the domain name is 47 characters. For the URL link is 80 characters in total (for firmware versions < 1.6.5) or 200 characters in total (for firmware versions from 1.6.5).' Below the input field is a toggle switch labeled 'Server requires a password', which is currently turned off. At the bottom of the screen, there is a red button with the text 'CONFIRM CONFIGURATION' in white.

| Energy Management

Electrical Settings

Configure the electrical related settings according to the electrical system connection on site.



Select type of electrical earthing system

Configure smart meter

A screenshot of the CHARGEDOT app's 'Energy Management' settings screen. The screen has a white background with a grey header bar containing 'Cancel' and 'Save' buttons. Below the header is a tab bar with four tabs: 'ending', 'OCPP Server', 'Energy Management' (which is selected and underlined), and 'Input/Output'. The main content area is titled 'Energy Management' and contains several settings. First, there is a text instruction: 'Indicate the value of the fuse that is used for the charger circuit.' Below this is a slider for 'Amperage limit (6A-32A)' with a red track and a white knob positioned at the right end, with the number '32' displayed in a red box. This is followed by another identical slider for 'Amperage limit (6A-32A)' with the number '32' displayed in a grey box. Below the sliders is a section titled 'Charging amperage' with a small square bullet point. The next section is 'Electrical Grid Network Type' with three radio button options: 'TT, TN' (which is selected), 'Split phase', and 'IT'. The final section is 'Modbus' with a toggle switch that is currently turned off. Below the toggle is a text instruction: 'Use Modbus to connect the charger to a smart meter or building manager'. The screen is framed by a grey border, and a black horizontal line is visible at the bottom, representing the home indicator bar on an iPhone.

Energy Management

Smart Meter Settings

The smart meter is connected via Modbus and communicates with the charger to conduct load management.

Select the topology of load management according to the site installation.

Steup 1: Smart meter is directly connected with a charger

Setup 2: Multiple chargers are connected to the backend, where the smart meter is connected to one of the chargers

Setup 3: Chargers are connected via Modbus TCP or RTU to an external controller

Cancel

Save

Location

Name

Connections

Free vending

C

TT, TN

Split phase

IT

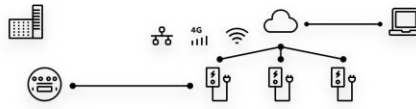
Modbus

Use Modbus to connect the charger to a smart meter or building manager

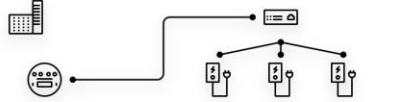
Local Load Management



Cloud Load Management



Local Controller



Energy Management



Using Compatible Smart Meters via Modbus RTU/RS485

Configure Modbus

Cancel

Local Load Management - Modbus RTU(RS485)

Single charger - charger as primary

Smart Meter Manufacturer

Select Smart Meter Manufacturer

▼

Device Model

Select device model

▼

Smart meter manufacturer

ABB

Schneider

Siemens

Configure Modbus

Cancel

Local Load Management - Modbus RTU(RS485)

Single charger - charger as primary

Smart Meter Manufacturer

ABB

▼

Device Model

Select device model

▼

Device model

Q

A41 111-100

A41 112-100

A41 113-100

A41 312-100 Solar supported

A41 313-100 Solar supported

A41 412-100 Solar supported

A42 111-100

A42 112-100

Brand	Device Model Submodel	Device Model
ABB	B21	B21 112-100
ABB	B21	B21 312-100
ABB		EV1
ABB	A41	A41 112-100
ABB	A41	A41 312-100
ABB	A41	A41 412-100
ABB	B23	B23 212-100
ABB	B23	B23 312-100
ABB		EV3
ABB	A43	A43 112-100
ABB	A43	A43 212-100
ABB	A43	A43 312-100
ABB	A43	A43 512-100
ABB	A42	A42 112-100
ABB	A42	A42 212-100
ABB	A42	A42 312-100
ABB	A42	A42 552-100
ABB	B24	B24 112-100
ABB	B24	B24 352-100
ABB	A44	A44 112-100
ABB	A44	A44 212-100
ABB	A44	A44 352-100
ABB	A44	A44 452-100
ABB	A44	A44 552-100

Brand	Device Model Submodel	Device Model
ABB	D11	D11 15-M 40 Modbus
ABB	D13	D13 15-M 65 Modbus
ABB	M1M	M1M 15 Modbus
ABB	M1M	M1M 20 Modbus
ABB	M1M	M1M 30 Modbus
ABB	M4M	M4M 20
ABB	M4M	M4M 30
ABB	M4M	M4M 2X
Siemens		PAC3100
Schneider Electric		iEM3000 Series
Schneider Electric		PM5310
Schneider Electric		PM5320
Schneider Electric		PM5330
Schneider Electric		PM5331
Schneider Electric		PM5340
Schneider Electric		PM5341
Schneider Electric		PM5341

| Energy Management

Modbus Settings

After selecting the meter model, configure the Modbus communication parameters to ensure that the parameters on the power meter and charger are consistent.

Set Modbus parameters

Randomly assigned to ensure that multiple EVs will not start charging simultaneously, causing high grid load

Configure Modbus Cancel

Communication Settings

Modbus Address
1

Baud Rate
9600

Parity
None Odd Even

Stop Bit
1 2

Data Bit
8

Load Management Settings

Grid Limit
Enter Grid Limit A

Random wait time
10 S

Smart meter phase
1 phase 3 phases

Phase Connection Order
Please align the charger with the phase configuration of the grid. After connecting with the charger, the setting will change to a single phase if applicable.
L1 connected to L1

Maximum Phase Imbalance ☒

Advanced Options

SAVE

| Energy Management

Local Load Management Settings



Configure all the variables according to:
[Load Management Manual](#)

The image shows a mobile application interface for configuring Modbus settings. The screen is titled 'Configure Modbus' with a 'Cancel' button in the top right corner. Below the title is a section labeled 'Advanced Options' with a downward arrow. The settings are organized into several rows, each with a label, a numeric input field, a unit selector (A or S), and a 'Change Amount' field.

Setting	Value	Unit	Change Amount
Max. Phase Imbalance	32	A	
Alarm Limit	31	A	
Wait Time	1	S	
Change Amount	16	A	
Upper Limit	29	A	
Wait Time	5	S	
Change Amount	1	A	
Lower Limit	26	A	
Wait Time	5	S	
Change Amount	1	A	
Fallback Limit	0	A	
Fallback Time	30	S	

A red 'SAVE' button is located at the bottom right of the screen.

Energy Management

Cloud Load Management

This app supports the configuration of the energy meter, which is to be used for dynamic load management on the portal.

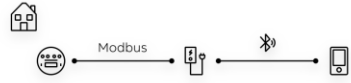
Other cloud load management settings need to be configured in the ChargerSync portal.



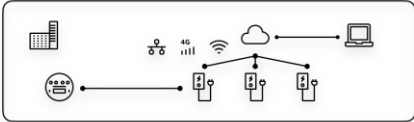
Cancel Save

Location Name Connections Free vending or building manager

Local Load Management



Cloud Load Management

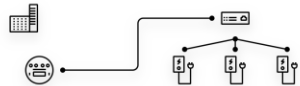


Please select one of the following Modbus methods:

☒ **Modbus RTU(RS485)** Configure Modbus

☐ Modbus TCP/IP

Local Controller



Configure Modbus Cancel

ABB

Device Model
A41 112-100

Communication Settings

Modbus Address
1

Baud Rate
9600

Parity
None Odd Even

Stop Bit
1 2

Data Bit
8

SAVE

Energy Management

Via Local Controller



Configure the charger according to the communication protocol

Cancel Save

PP Server **Energy Management** Input/Output Schedu

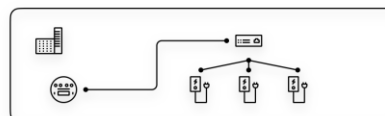
Local Load Management



Cloud Load Management



Local Controller



Please select one of the following Modbus methods:

Modbus

☐ **RTU(RS485)** >
Configure Modbus

Modbus

☐ **TCP/IP** >
Configure Modbus

Configure Modbus Cancel

Local controller - Modbus RTU(RS485)
Multiple chargers - charger as secondary

Communication Settings

Modbus Address
1

Baud Rate
9600

Parity
None Odd **Even**

Stop Bit
1 2

Data Bit
8

SAVE

Configure Modbus Cancel

Local controller - Modbus TCP/IP
Multiple chargers - charger as secondary

Communication Settings

⚠ Please disable the Ethernet connection from the charger before configuring Modbus TCP/IP, otherwise, a failure will arise.

IP Address
E.g. 192.168.0.4

Mask Address
E.g. 255.255.255.0

Gateway Address
E.g. 192.168.0.1

Server port
E.g. 500

SAVE

| Energy Management

Solar Charging Mode



There are three different modes of solar charging, tailored to the specific needs and preferences of the users: Solar only, Eco Mix, Max speed.

- Before using this function, please check if the firmware and app have been updated up to the minimum required versions. Firmware: V1.8.2 version, TerraConfig app V2.1.

View or modify the solar configuration

A screenshot of a mobile application interface titled 'Configure Modbus' with a 'Cancel' button in the top right. The interface is divided into sections. The first section, 'Phase Connection Order', includes a descriptive paragraph and the text 'L1 connected to L1'. Below this is a toggle switch for 'Maximum Phase Imbalance', which is currently turned on. An 'Advanced Options' section is collapsed, indicated by a downward arrow. The next section, 'Solar panels', contains a paragraph and a toggle switch labeled 'My customer has solar panels', which is currently turned off. Below this is the 'Default charging mode' section, which includes a paragraph and three selectable buttons: 'Max speed', 'Eco mix', and 'Solar'. The 'Max speed' button is highlighted with a red lightning bolt icon. At the bottom of the screen is a large red 'SAVE' button.

Energy Management

Using Solar-Supported Smart Meters



Before using solar function, you need to select a solar-supported smart meter on the Modbus configuration page.

Select a solar-supported smart meter



Configure ModbusCancel

Local Load Management - Modbus RTU(RS485)
Single charger - charger as primary

Smart Meter Manufacturer
ABB

Device Model
Select device model

Device model

A41 112-100

A41 312-100Solar supported

A41 412-100Solar supported

A42 112-100

A42 212-100

A42 312-100Solar supported

A42 552-100Solar supported

A43 112-100

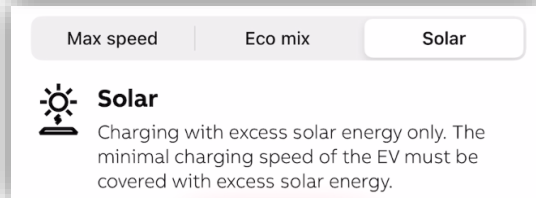
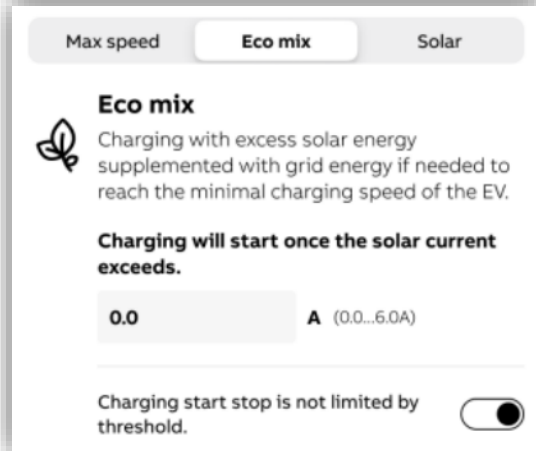
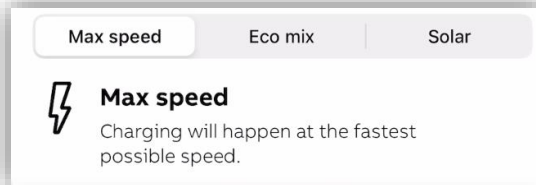
Solar compatible energy meters:

Brand	Device Model Submodel	Device Model
ABB	B21	B21 112-100
ABB	B21	B21 312-100
ABB		EV1
ABB	A41	A41 112-100
ABB	A41	A41 312-100
ABB	A41	A41 412-100
ABB	B23	B23 212-100
ABB	B23	B23 312-100
ABB		EV3
ABB	A43	A43 112-100
ABB	A43	A43 212-100
ABB	A43	A43 312-100
ABB	A43	A43 512-100
ABB	A42	A42 112-100
ABB	A42	A42 212-100
ABB	A42	A42 312-100
ABB	A42	A42 552-100
ABB	B24	B24 112-100
ABB	B24	B24 352-100
ABB	A44	A44 112-100
ABB	A44	A44 212-100
ABB	A44	A44 352-100
ABB	A44	A44 452-100
ABB	A44	A44 552-100

Brand	Device Model Submodel	Device Model
ABB	D11	D11 15-M 40 Modbus
ABB	D13	D13 15-M 65 Modbus
ABB	M1M	M1M 15 Modbus
ABB	M1M	M1M 20 Modbus
ABB	M1M	M1M 30 Modbus
ABB	M4M	M4M 20
ABB	M4M	M4M 30
ABB	M4M	M4M 2X
Siemens		PAC3100
Schneider Electric		iEM3000 Series
Schneider Electric		PM5310
Schneider Electric		PM5320
Schneider Electric		PM5330
Schneider Electric		PM5331
Schneider Electric		PM5340
Schneider Electric		PM5341
Schneider Electric		PM5341

Energy Management

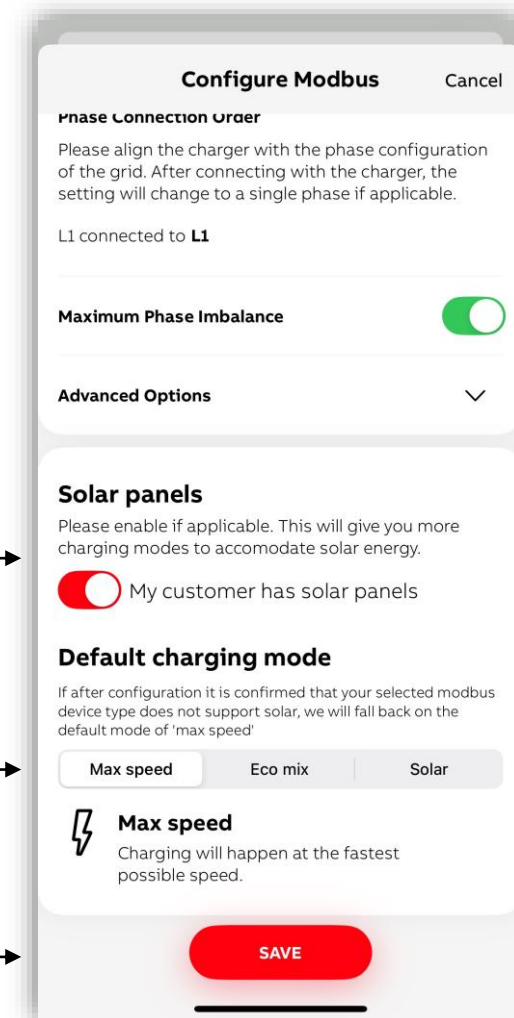
Configure Solar Charging Mode



1. Enable/disable the solar function

2. Select solar charging mode

3. Save solar charging mode setting



Energy Management

Applying the Configuration



All changes to Modbus settings will be transferred to the charger

Back Configure a charger

TACW2241922G1780 ⓘ

📶 📶 📶 Disconnect

Save as a template Choose template

You have unsaved changes
Don't forget to send the changes to your charger.

Apply configuration

User settable max current
32 A of 32 A max charging current

Location
China

Name
TACW2241922G1780

Firmware
v1.8.30 • Up to date

Connections
• Not configured

Free vending
• Activated

Shows the configuration application status.

Cancel Configure A Charger

Applying Configuration
Please wait while the charger is being configured...

Free Vending ✓

Energy Management ⚙️

Input/Output ○

Schedule ○

Connections ○

OCPP Server ○

Storing Configuration ○

After successful configuration, the charger will reboot.

All the changes have been synced to chargers successfully.

Cancel Configure A Charger

Applying Configuration
Please wait while the charger is being configured...

Free Vending ✓

Protocol (15118) ✓

Energy Management ✓

Input/Output ✓

Schedule ✓

Country Specific Settings ✓

Connections ✓

OCPP Server ✓

Storing Configuration ✓

Successful configuration!

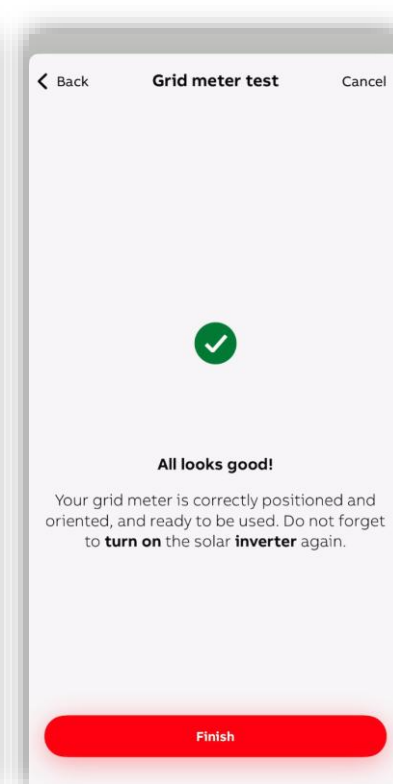
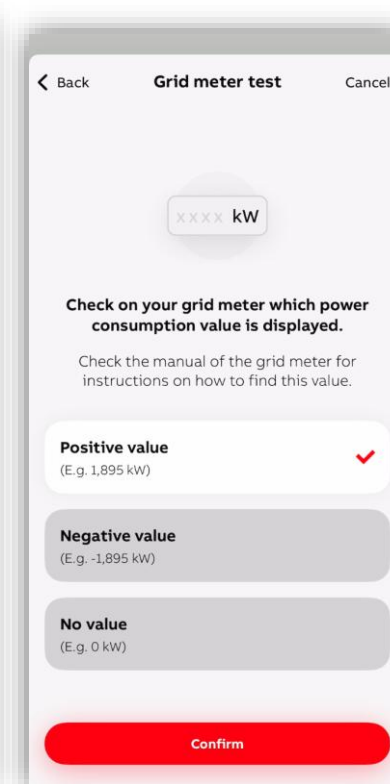
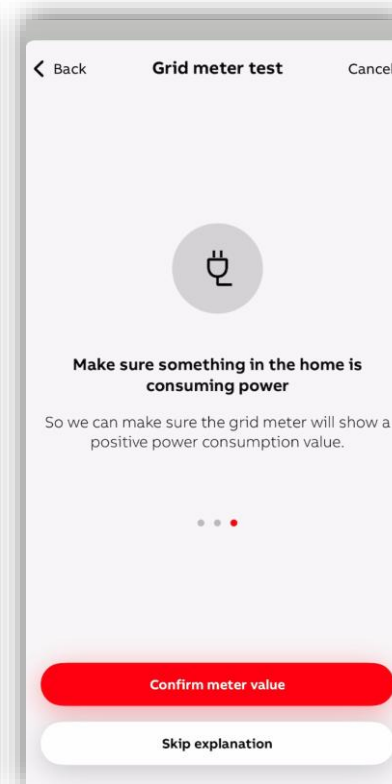
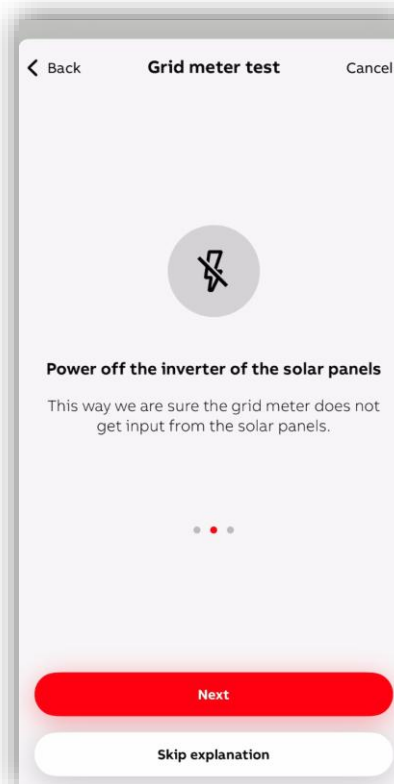
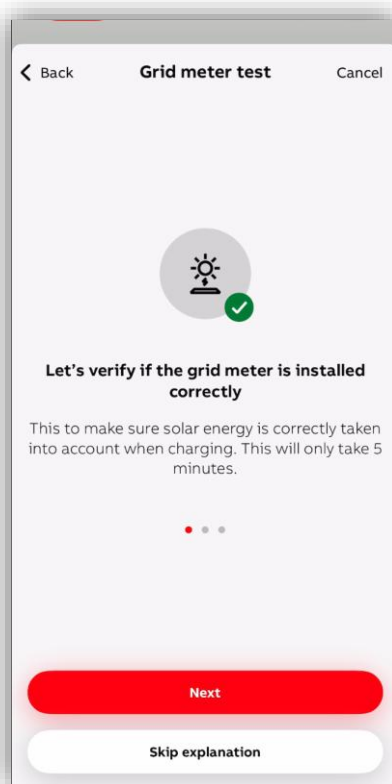
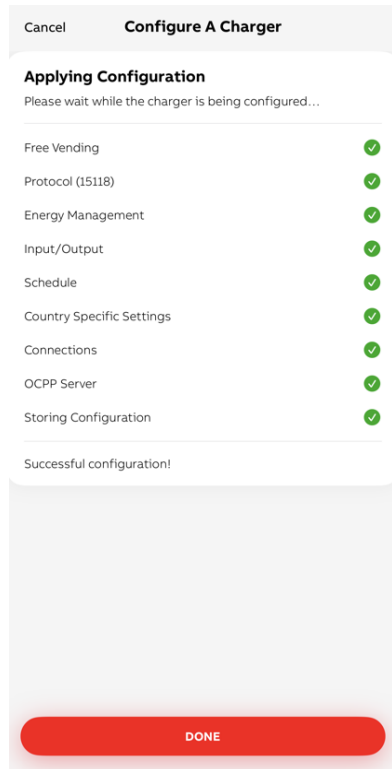
DONE

Energy Management

Verify Grid Meter Installation



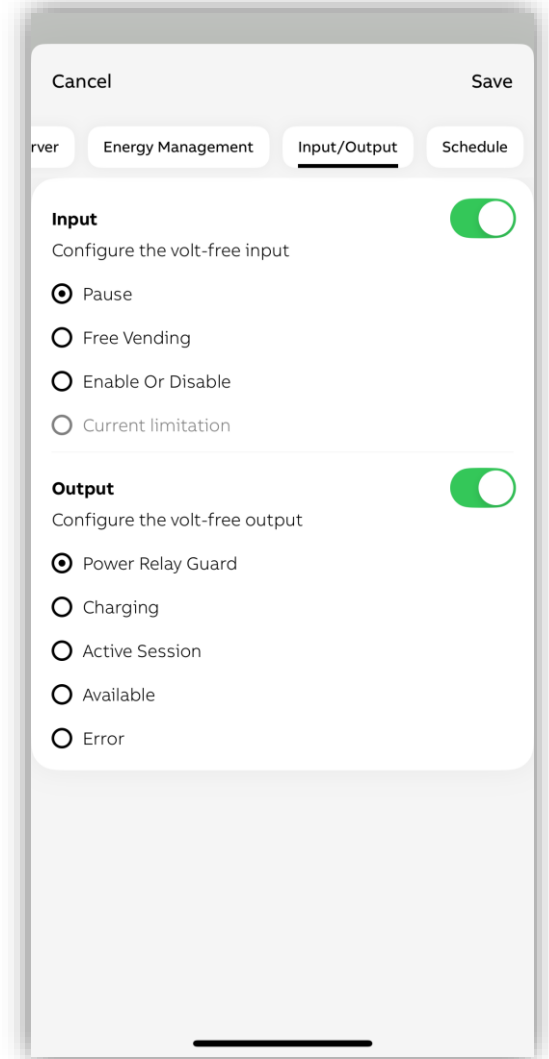
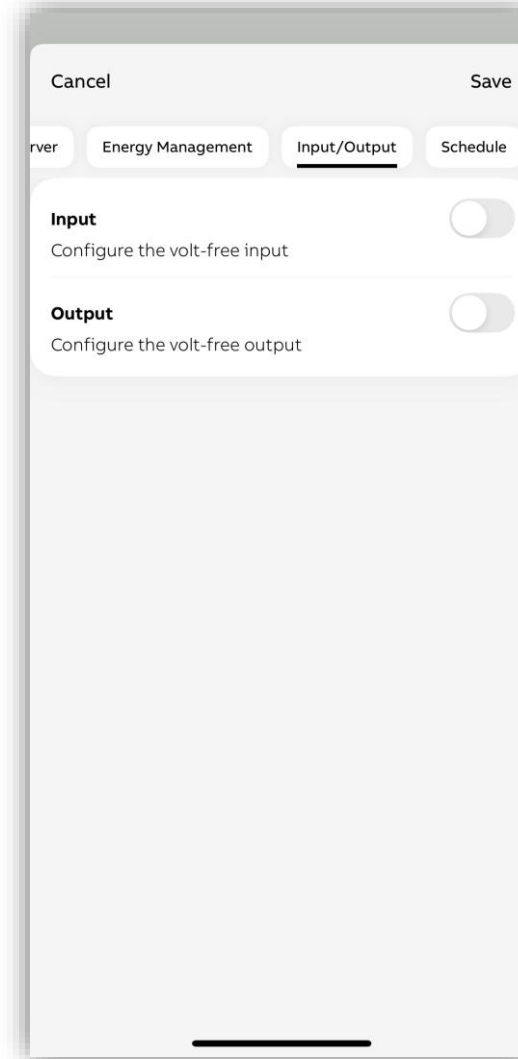
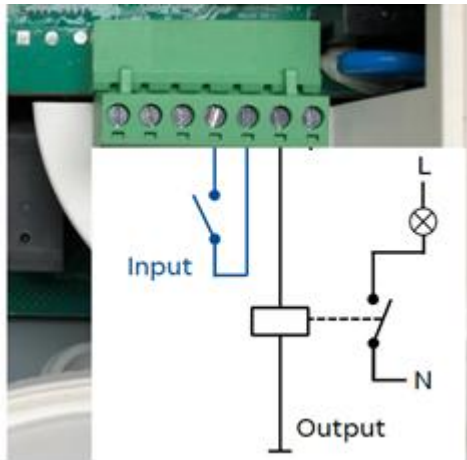
Follow the prompts step by step



| Input/Output

Dry Contacts

You can configure external input to control the charger or control the external output.

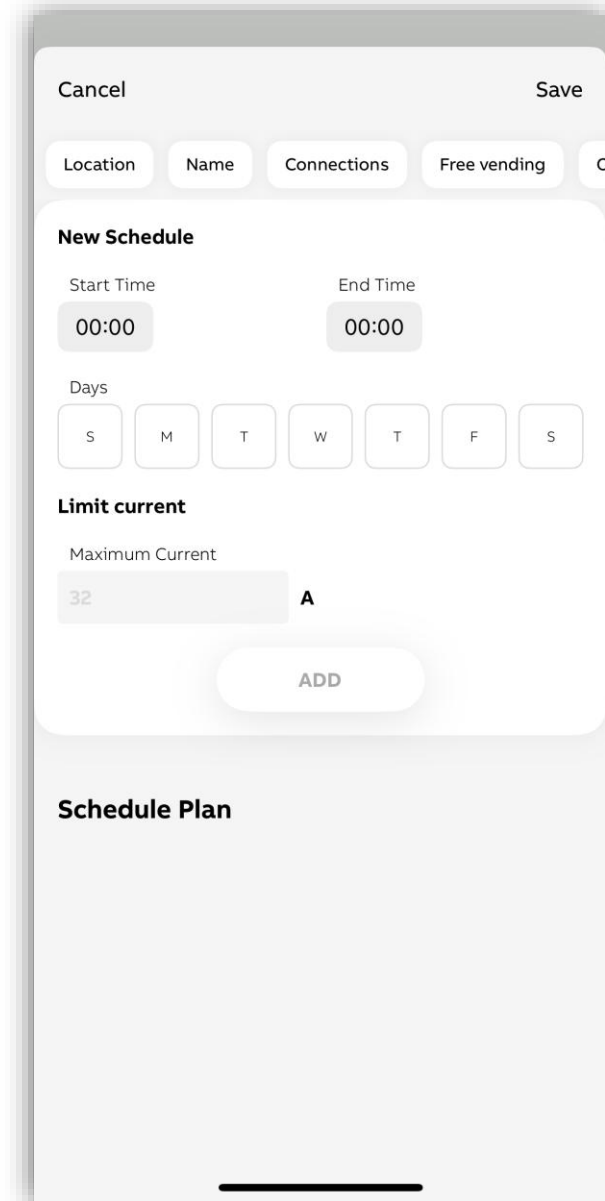


Schedules

This is an optional setting within the app.

*This setting may be mandatory according to local regulations.

This provides an option to create schedules according to the preferred time slot or to limit charging current during peak hours.



Cancel Save

Location Name Connections Free vending C

New Schedule

Start Time End Time

00:00 00:00

Days

S M T W T F S

Limit current

Maximum Current

32 A

ADD

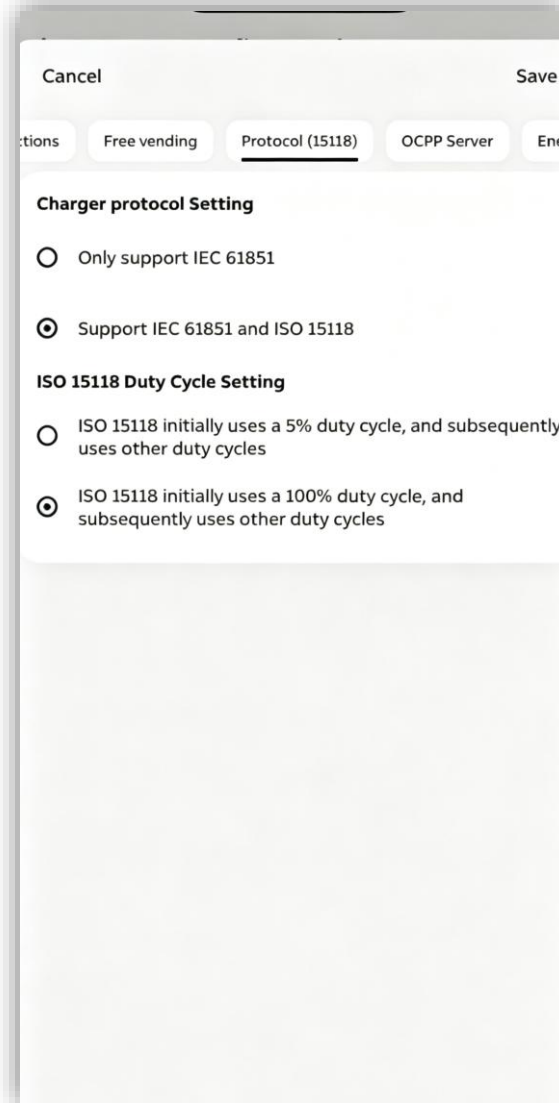
Schedule Plan

| Protocol for ISO 15118

You can configure charger protocol to set the Duty Cycle strategy.

This provides an option for the chargers that support ISO 15118.

User can select 'only support IEC 61851' or 'support IEC 61851 and ISO 15118'.



Cancel Save

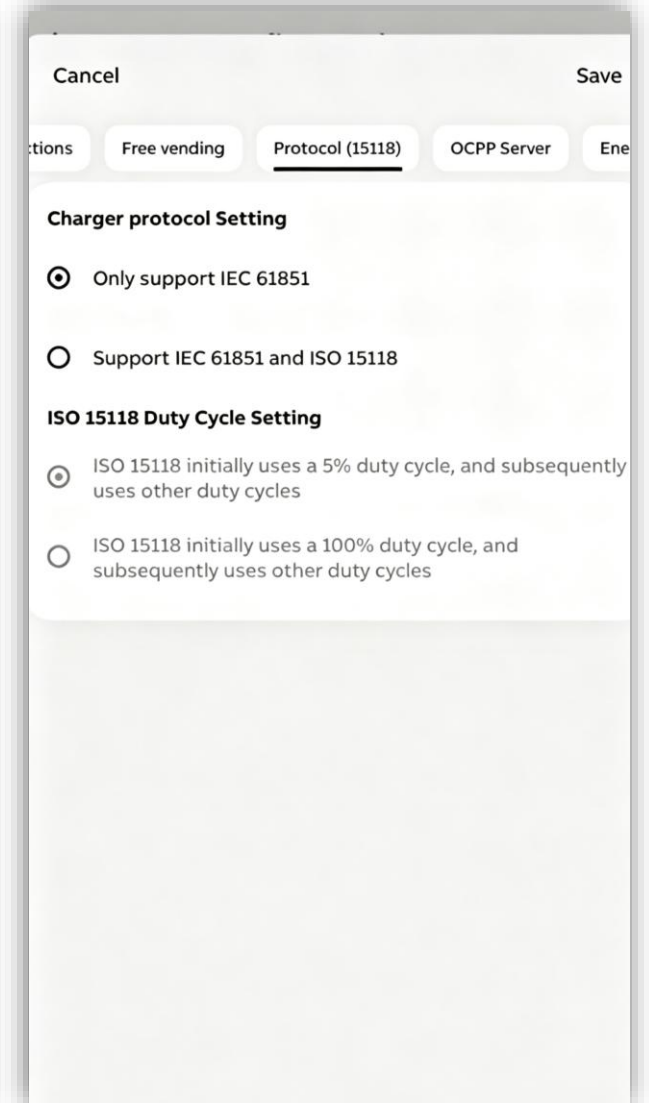
ctions Free vending Protocol (15118) OCPP Server Ener

Charger protocol Setting

- ☐ Only support IEC 61851
- ☒ Support IEC 61851 and ISO 15118

ISO 15118 Duty Cycle Setting

- ☐ ISO 15118 initially uses a 5% duty cycle, and subsequently uses other duty cycles
- ☒ ISO 15118 initially uses a 100% duty cycle, and subsequently uses other duty cycles



Cancel Save

ctions Free vending Protocol (15118) OCPP Server Ener

Charger protocol Setting

- ☒ Only support IEC 61851
- ☐ Support IEC 61851 and ISO 15118

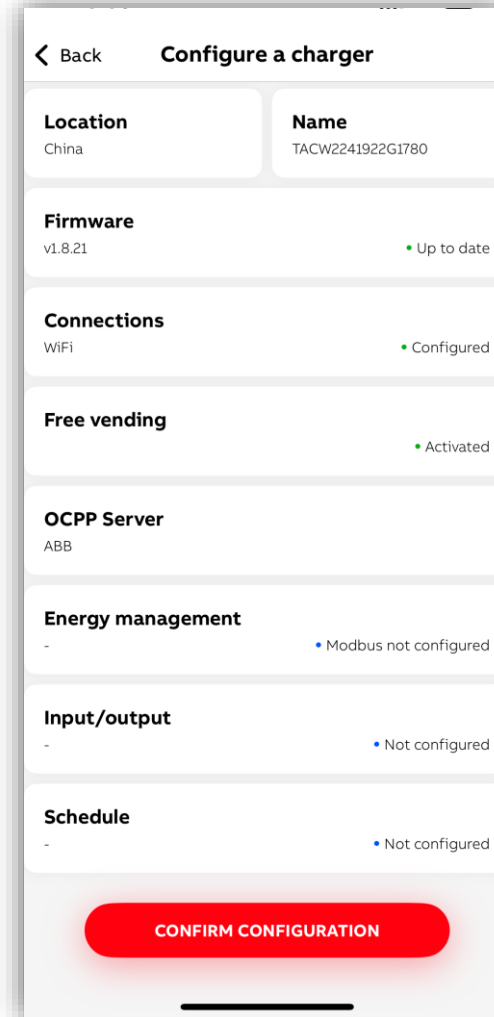
ISO 15118 Duty Cycle Setting

- ☒ ISO 15118 initially uses a 5% duty cycle, and subsequently uses other duty cycles
- ☐ ISO 15118 initially uses a 100% duty cycle, and subsequently uses other duty cycles

Apply Configurations to Charger

After necessary settings are configured, “confirm configuration” will apply all the changes into charger.

- App will show the configuration application status
- If errors occur while applying configuration, settings need to be corrected and confirmed based on the error message
- If the configuration has been checked to be correct, please retry applying the configurations



Configure a charger

Location
China

Name
TACW2241922G1780

Firmware
v1.8.21 • Up to date

Connections
WiFi • Configured

Free vending
• Activated

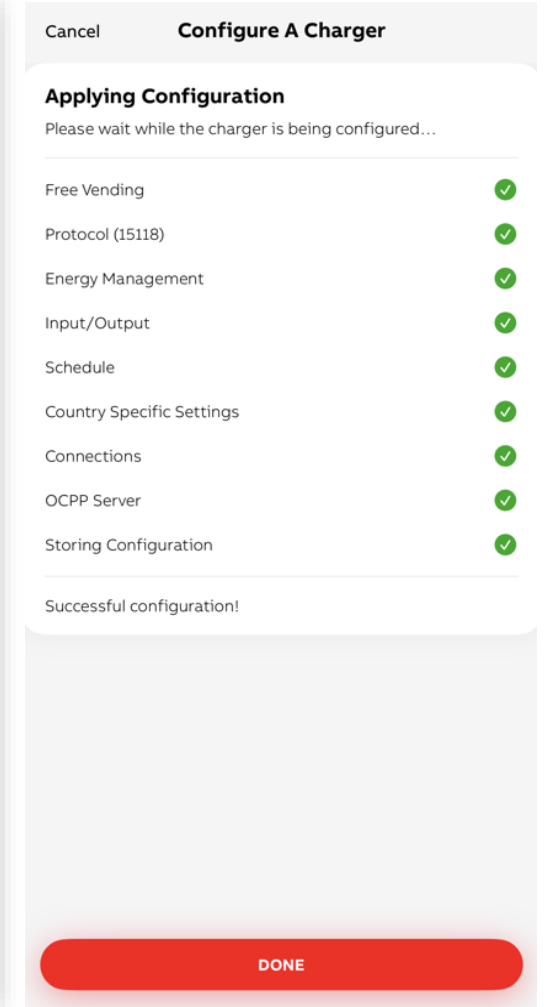
OCPP Server
ABB

Energy management
- • Modbus not configured

Input/output
- • Not configured

Schedule
- • Not configured

CONFIRM CONFIGURATION



Configure A Charger

Applying Configuration
Please wait while the charger is being configured...

Free Vending	✓
Protocol (15118)	✓
Energy Management	✓
Input/Output	✓
Schedule	✓
Country Specific Settings	✓
Connections	✓
OCPP Server	✓
Storing Configuration	✓

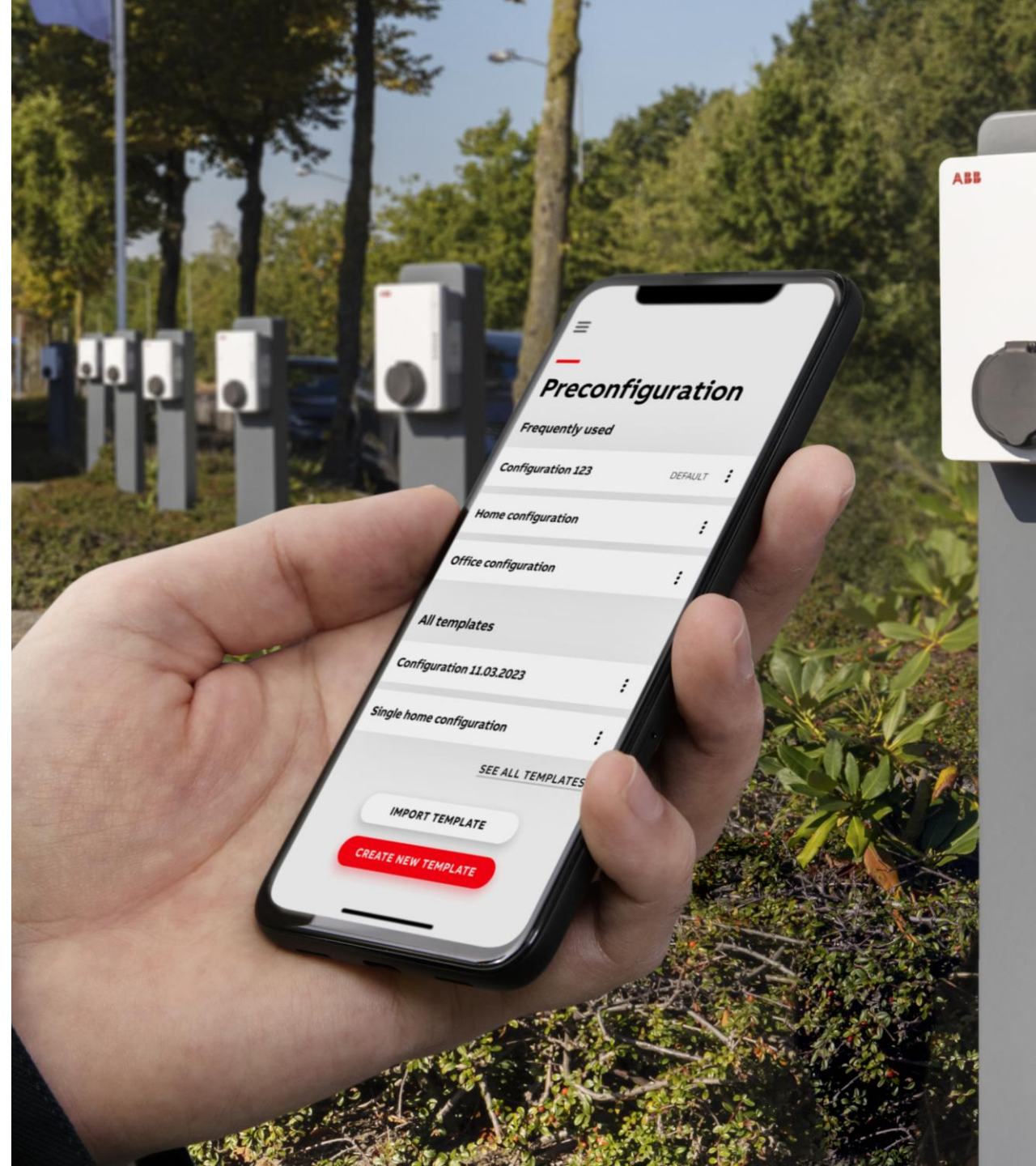
Successful configuration!

DONE

| Installation Management

Administrative Operations

3 Easily manage your installation-related activities and save installation time



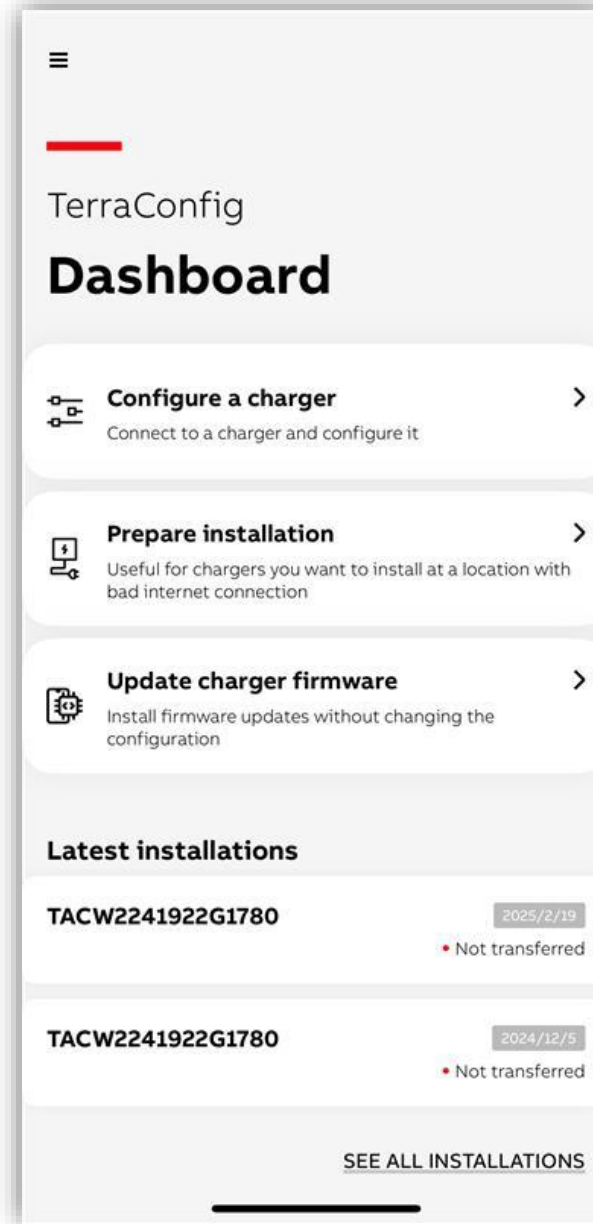
Transfer to Owner



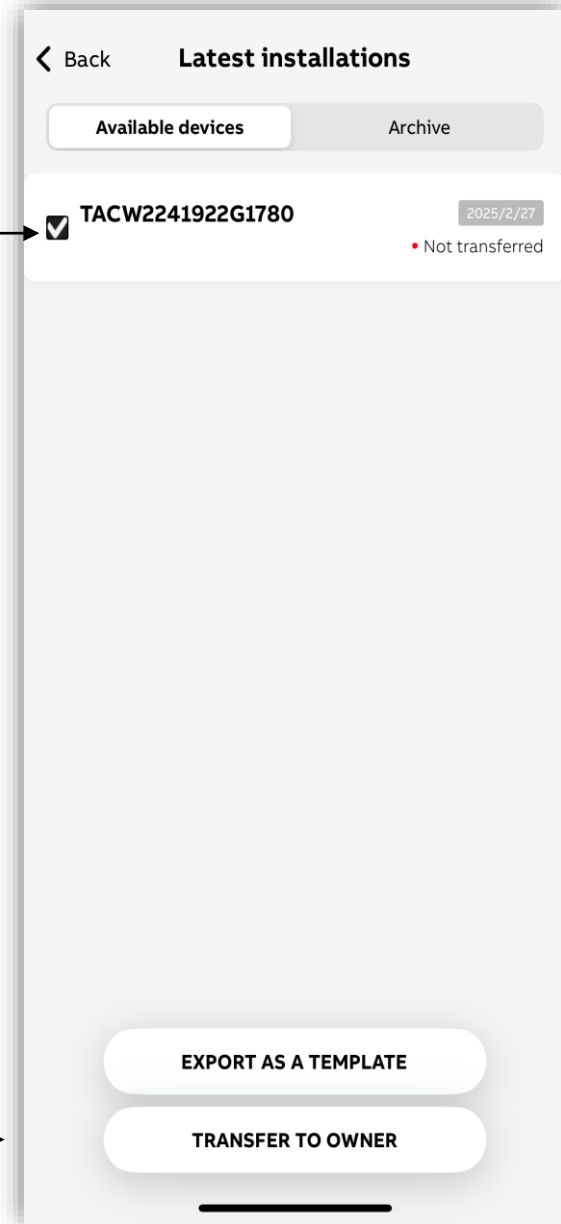
After commissioning a charger, you can select one or more chargers to be transferred to the owner.

This process will send an email including the PIN code of the charger to the owner.

Select charger from the installation list



Select chargers to be transferred



Send an email to owner

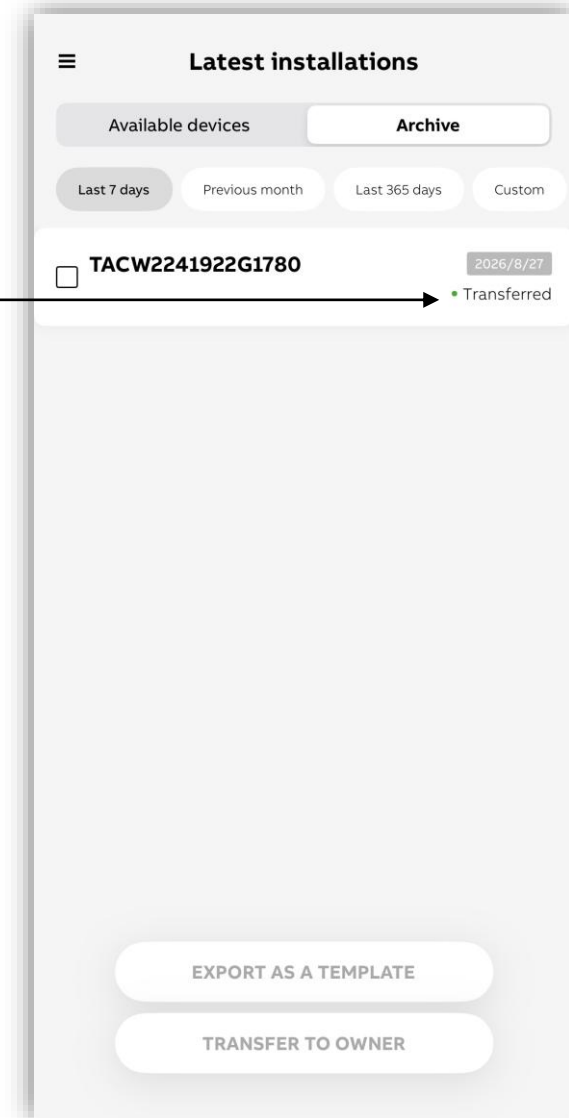


View Installation History

Once charger is transferred it will be visible in the archive list.

Filtering options

Status will be updated to 'Transferred' after transfer is successful

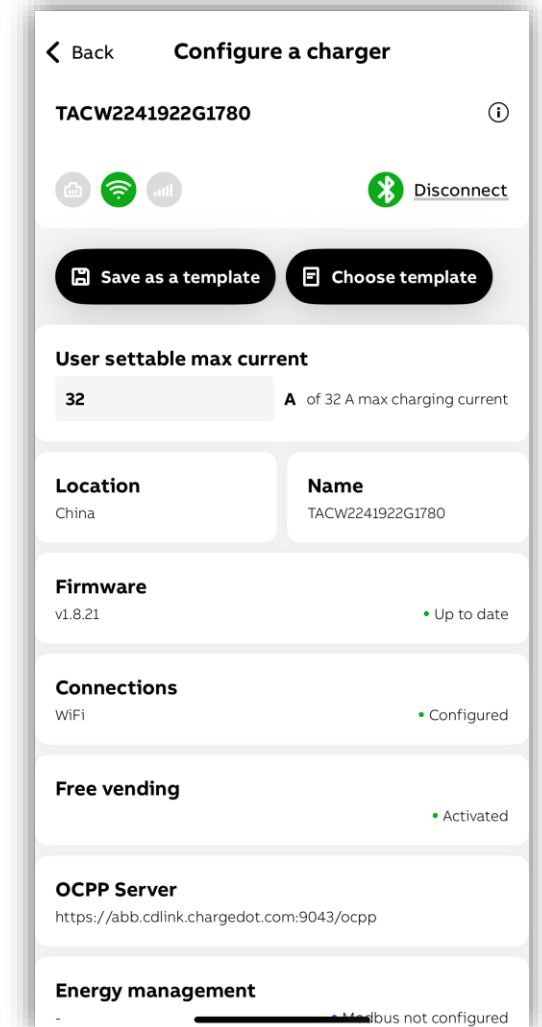
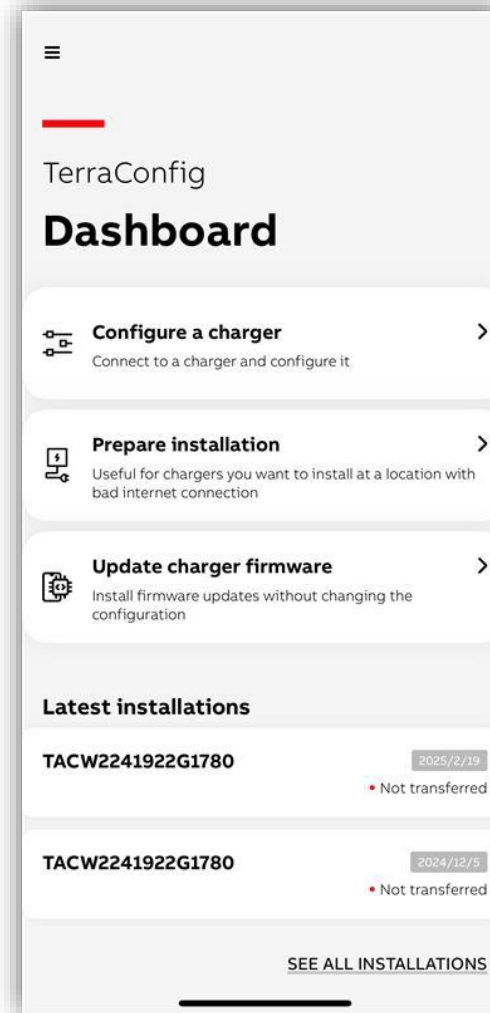


View/Modify Installed Charger Configurations



Installed charger details and its configurations can be viewed even if you are away from the charger.

Charger configurations are modifiable through Bluetooth connectivity within effective range.



Charger Log



By connecting to the charger via Bluetooth, users can access logs

Click info

Back

Configure a charger

TACW2241922G1780

Disconnect

Save as a template

Choose template

User settable max current

32

A of 32 A max charging current

Location

China

Name

TACW2241922G1780

Firmware

v1.8.21

Up to date

Connections

WiFi

Configured

Free vending

Activated

OCPP Server

https://abb.cdlink.chargedot.com:9043/ocpp

Energy management

-

Modbus not configured

Back

Configure a charger

Number of socket outlets

1

Connection types

4G, WIFI, LAN, BLE, RFID

Certification

MID

Internet connection

Type

WiFi

Status

Connected

Mac address

E8:FD:F8:01:94:18

Troubleshooting info

Channel info

12,13,15,19 ; 32A More info

Electronic lock status

0

Firmware info

Package code

TAC3Z9118906710247

Package version

1.8.21

OCPP server info

https://abb.cdlink.chargedot.com:9043/ocpp

Charge point identity

-

Device log

Show communication logs

RESET CHARGER

Back

Device log

TACW445220S0661

[0x02] Information

2026-01-05 13:46:21

Log description

[0x0020] System timing

[0x02] Information

2026-01-05 11:26:55

Log description

[0x0020] System timing

[0x02] Information

2026-01-05 10:57:40

Log description

[0x0020] System timing

[0x02] Information

2026-01-05 10:21:45

Log description

Back

Communication logs

info

2025-02-27T05:51:23Z

Message

received response from charger

Metadata

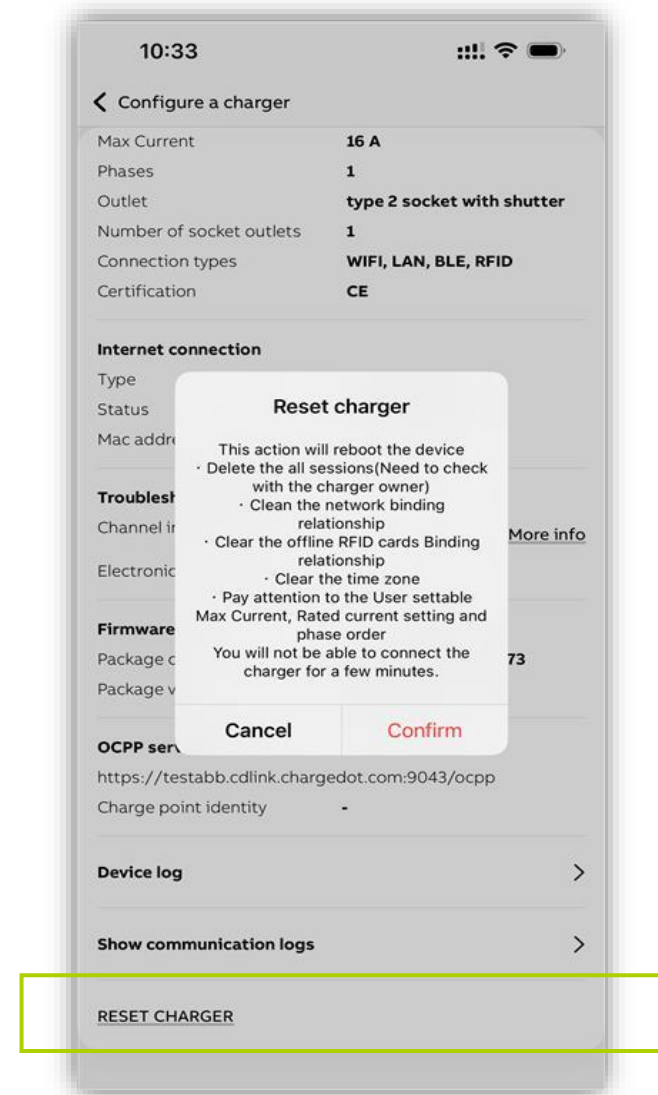
[{"serialNumber": "TACW2241922G1780", "response": "[{"attachment\\": \"\\\", \"infoCodeDestription\\\": \"系统校时\\\", \"infoCode\\\": 8192, \"serialNumber\\\": 29, \"infoCodeOc\\\": \"systemCorrectTime\\\", \"attachmentIsUserType\\\": false, \"typeOc\\\": \"systemState\\\", \"infoCodeOriginDataStr\\\": \"2000\\\", \"type\\\": 2, \"generateTime\\\": 1740626989}, {\"type\\\": 2, \"infoCodeOriginDataStr\\\": \"2000\\\", \"typeOc\\\": \"systemState\\\", \"generateTime\\\": 1740627055, \"infoCodeOc\\\": \"systemCorrectTime\\\", \"infoCode\\\": 8192, \"attachmentIsUserType\\\": false, \"serialNumber\\\": 30, \"infoCodeDestription\\\": \"系统校时\\\", {\"infoCodeOriginDataStr\\\": \"2000\\\", \"infoCode\\\": 8192, \"infoCodeOc\\\": \"systemCorrectTime\\\", \"infoCodeDestription\\\": \"系统校时\\\", \"attachmentIsUserType\\\": false, \"typeOc\\\": \"systemState\\\", \"attachment\\\": \"\\\", \"serialNumber\\\": 31}, {\"infoCodeDestription\\\": \"系统校时\\\", \"infoCode\\\": 8192, \"generateTime\\\": 1740627056, \"attachment\\\": \"\\\", \"attachmentIsUserType\\\": false, \"type\\\": 2, \"infoCodeOriginDataStr\\\": \"2000\\\", \"serialNumber\\\": 32, \"typeOc\\\": \"systemState\\\", \"infoCodeOc\\\": \"systemCorrectTime\\\", \"attachment\\\": \"\\\", \"serialNumber\\\": 33, \"attachmentIsUserType\\\": false, \"infoCode\\\": 8192, \"infoCodeDestription\\\": \"系统校时\\\", \"infoCodeOriginDataStr\\\": \"2000\\\", \"infoCodeOc\\\": \"systemCorrectTime\\\""}]

| Charger Reset

This is an option provided to erase and bring the chargers to factory defaults which includes removal of RFID cards as well.

Be cautious when selecting this option

After 'Reset Charger' is selected, all configurations will be reconfigured to factory settings. Such settings include connection, load management, schedule, etc.



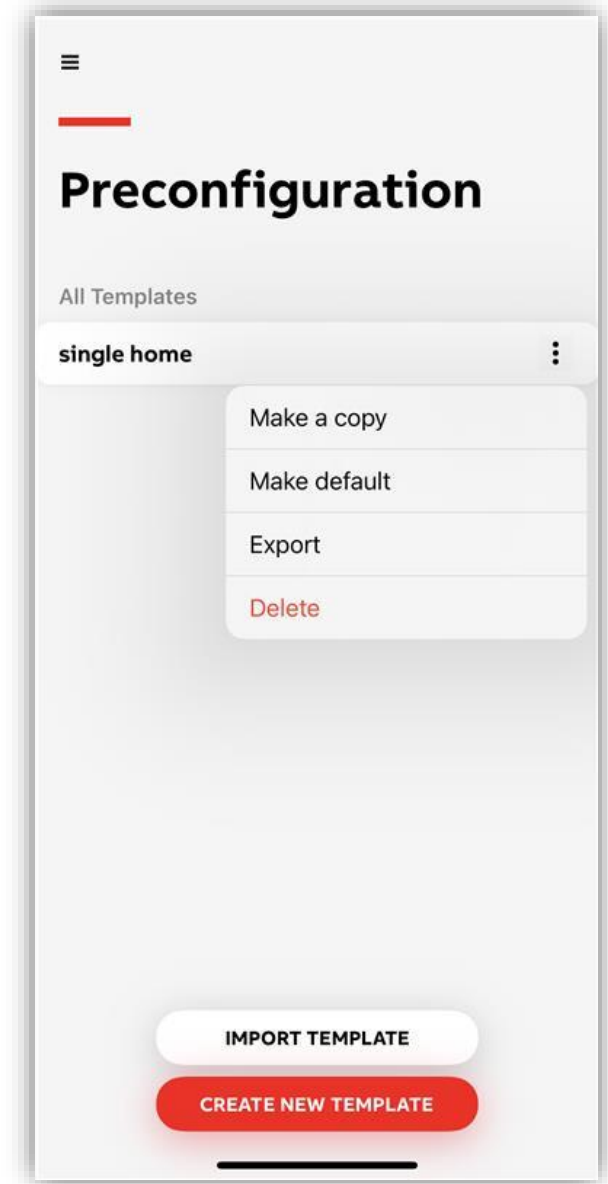
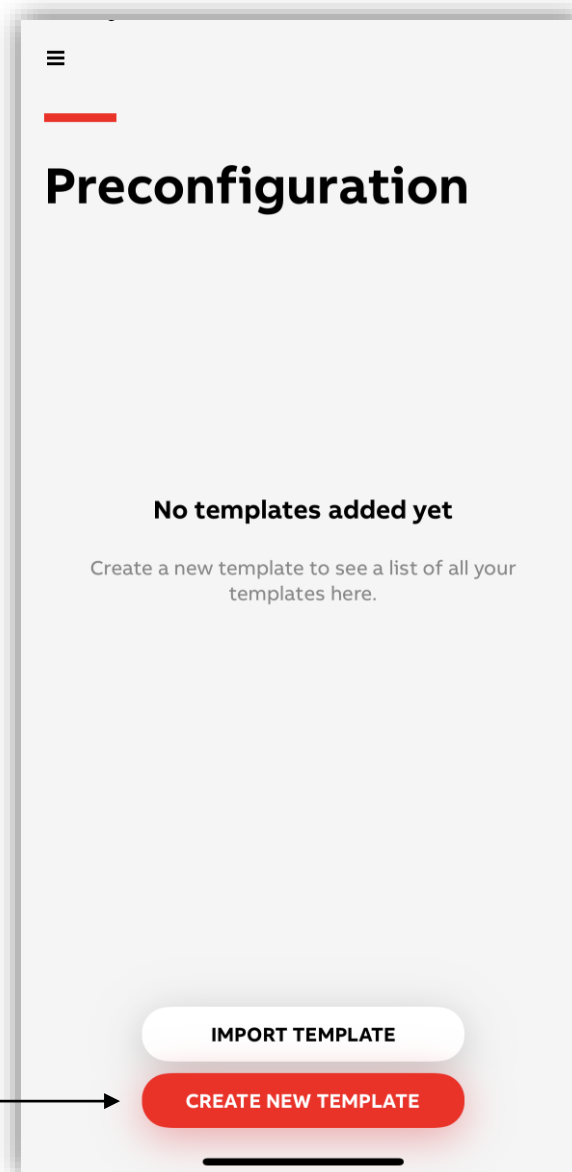
| Commissioning by Preconfiguration

A configuration template file helps to simplify installer job and reduce on-site commissioning time.

Set up a configuration once, save it to the file, and reuse for different installations.

On the dashboard, click on preconfiguration to setup.

Set up a new template →



Example of New Preconfiguration Template

Step-by-step guide for creation of a preconfiguration template.

Create Pre-configurationCancel

1

2

3

4

5

Name

Chargers

Location

Free Vending

Connections

Template

Name

single home

Import Configuration

CHOOSE FILE

BACK

NEXT

Back

Create Pre-configurationCancel

✓

✓

✓

9

10

OCPP Server

Energy Management

Input / Output

Schedule

Cable lock

New Schedule

Start Time

00:00

End Time

00:00

Days

S

M

T

W

T

F

S

Limit current

Maximum Current

80

A

ADD

Schedule Plan

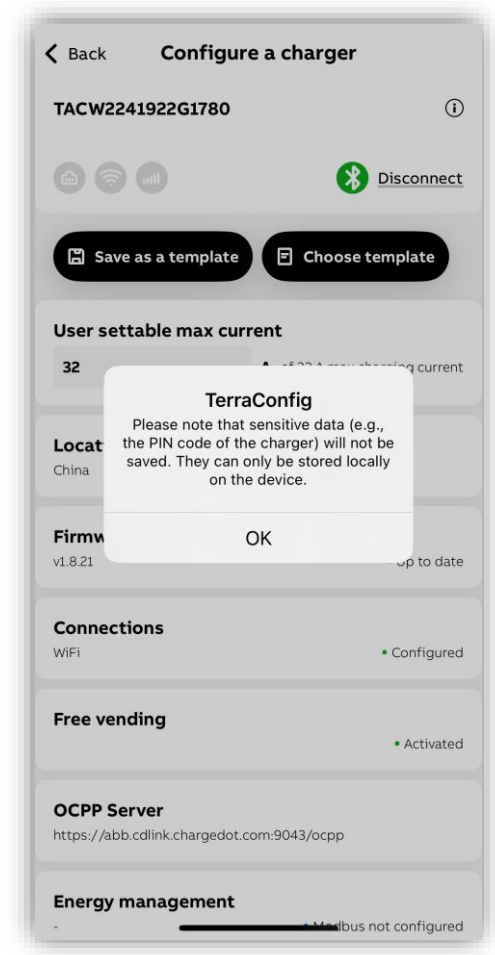
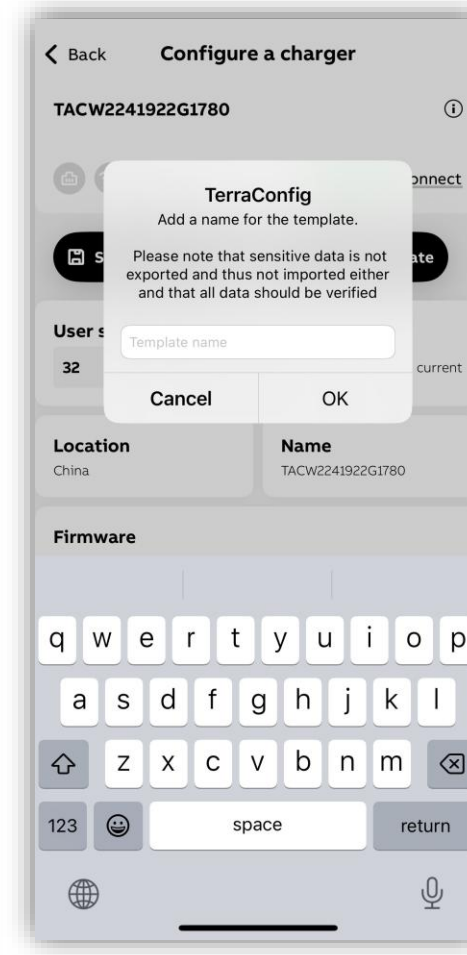
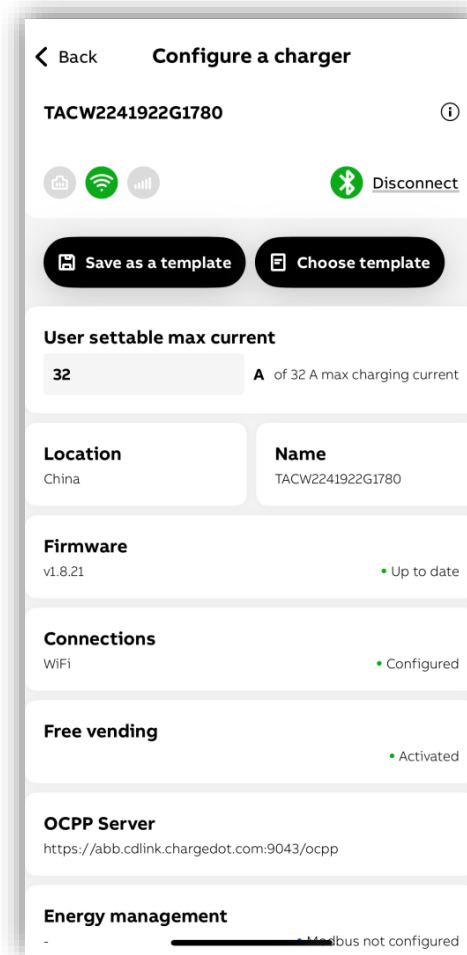
BACK

NEXT

Creating Template File from Installation History

The configuration of configured charger can be saved as a template.

As the template file can be shared, do not store sensitive data. This data needs to be configured during commissioning.



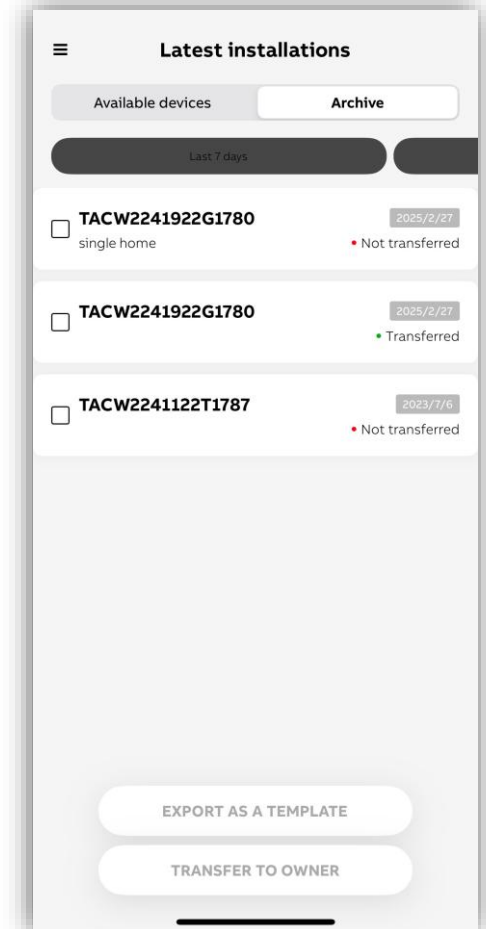
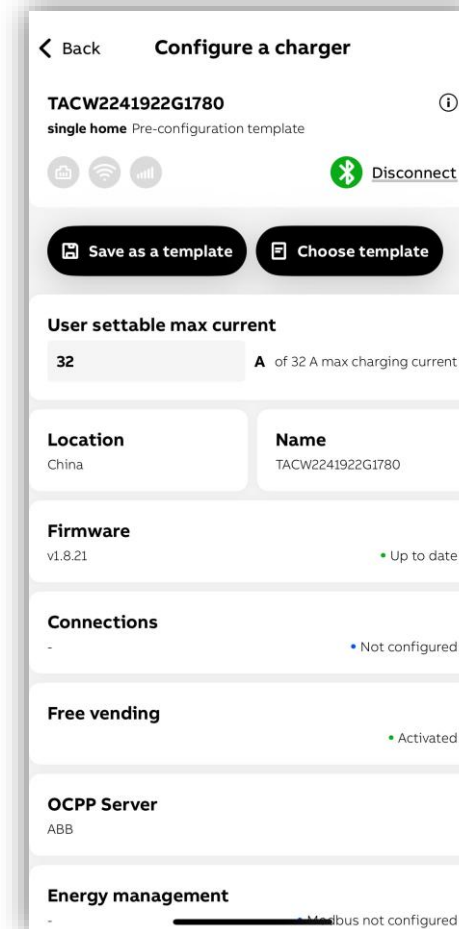
Example of Applying Template File for an Installation



Select a template file and review the configuration settings for a specific installation.

Once a template is selected, the app indicates which template file is being used.

The applied template information is also visible in the installation history after configuration.



| Offline Commissioning

Firmware Upgrade

4

Even if the phone has no internet signal, it can still debug the charger

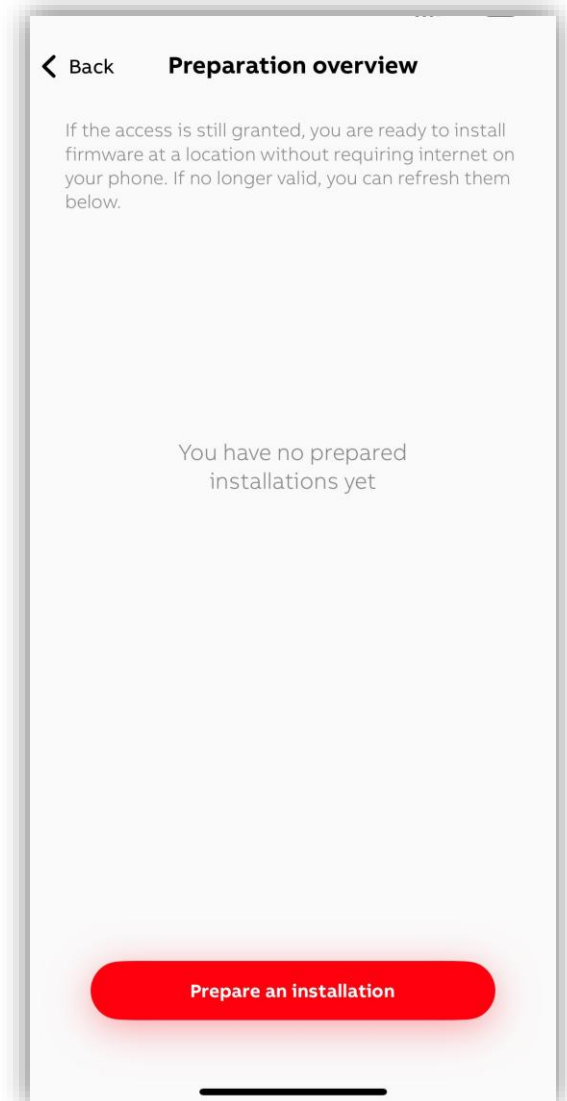
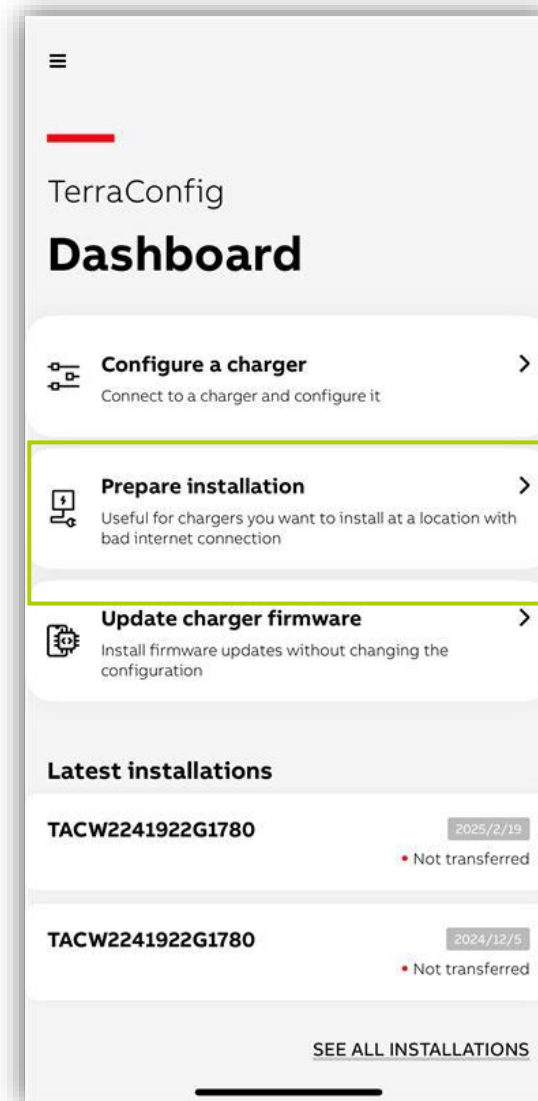


Prepare for Installation

Before going to charger site field to install the firmware to your wallbox, complete the 'Prepare Installation' and 'Firmware Management' processes when network signal is still available.

This will enable you to install the firmware without internet connection.

- The 'prepare an installation' process will guide you in preparing device registration in advance
- If you have already registered a device, you can skip this step and proceed to download the firmware package

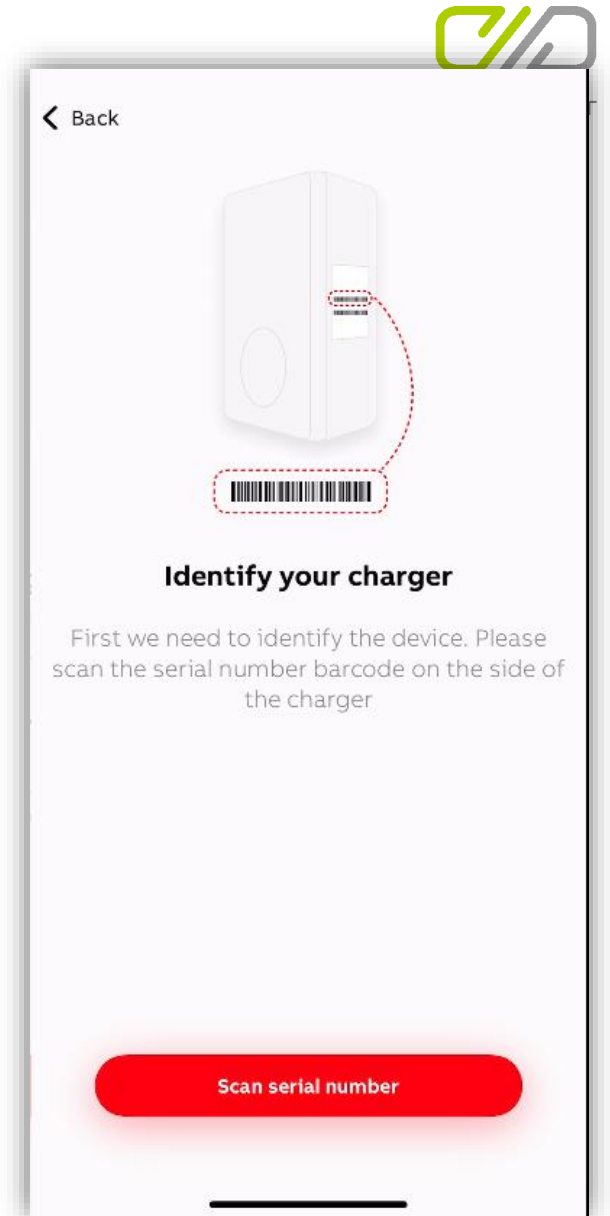
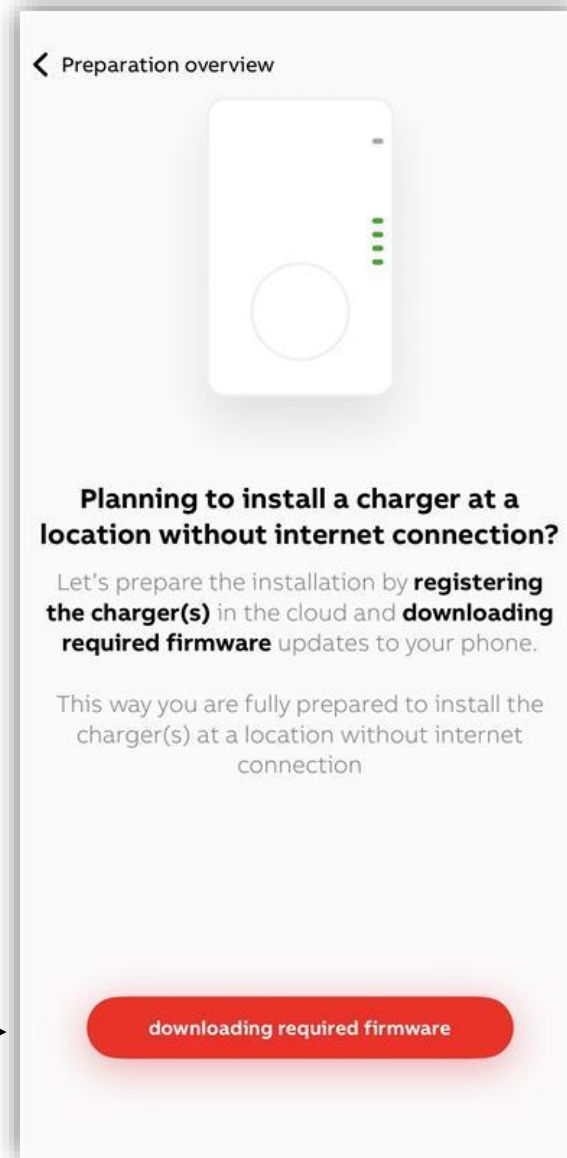


| Prepare for Installation

Register the charger details by adding the SN and PIN code.

- While scanning, please ensure you are scanning the charger SN bar code found at the side of the charger, usually starting with TACxxxxxxxxxxxx. This code may vary based on product variants.

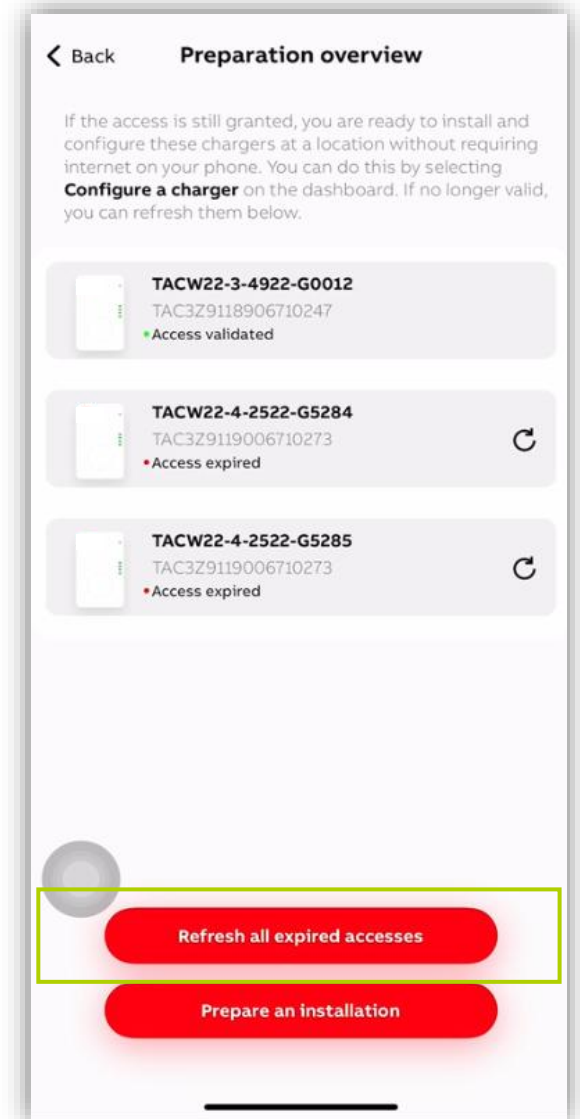
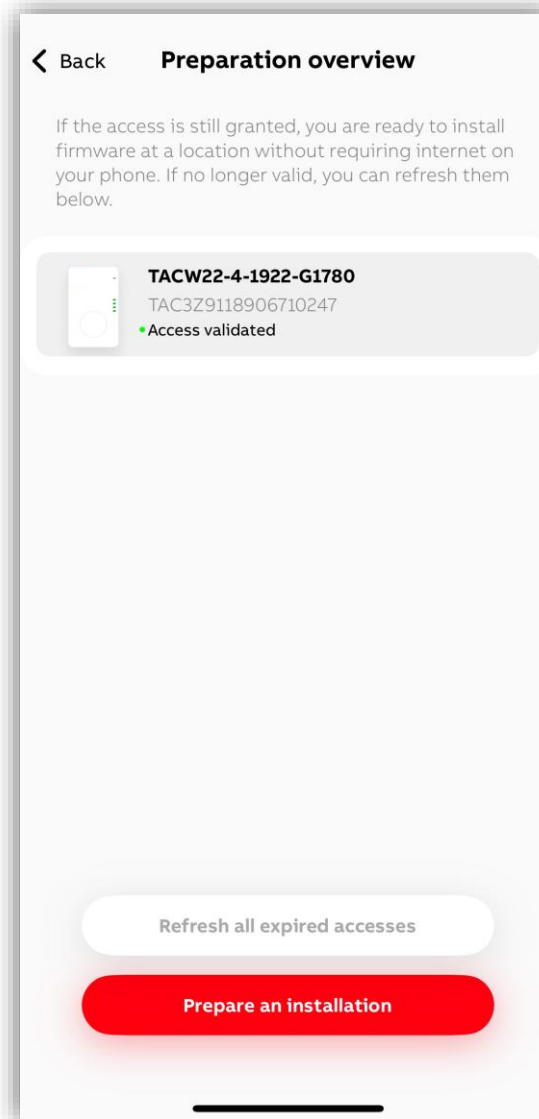
Start the registration process →



Prepare for Installation

After the registration process is completed, you can find the registered device in the overview list. Refresh the expired device information.

- The registration details that validate the serial number and the PIN code will be valid for 7 days
- After 7 days, you will have to manually request for a new token by providing the PIN code again

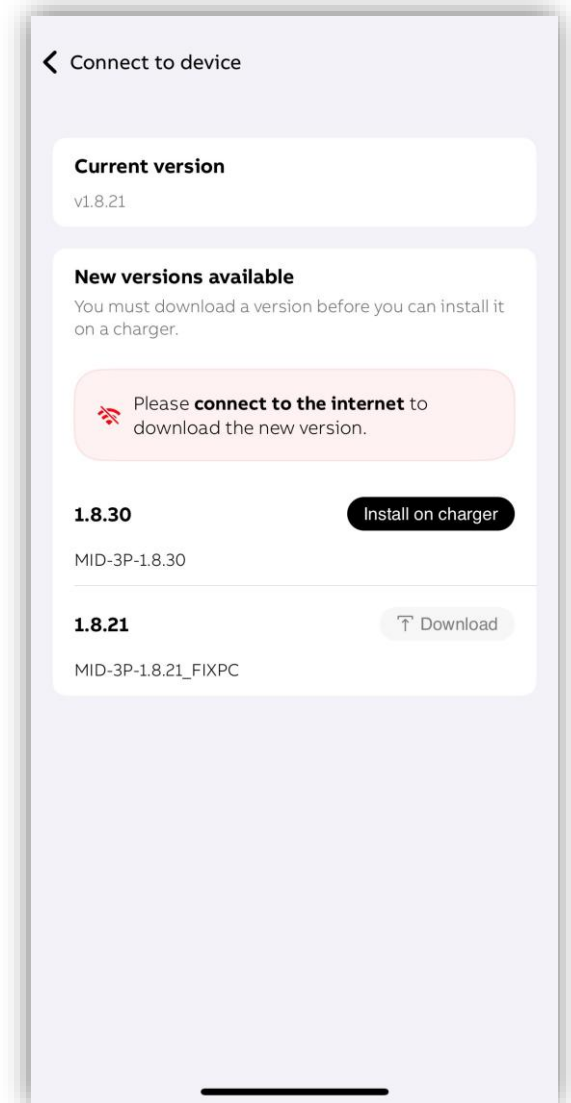
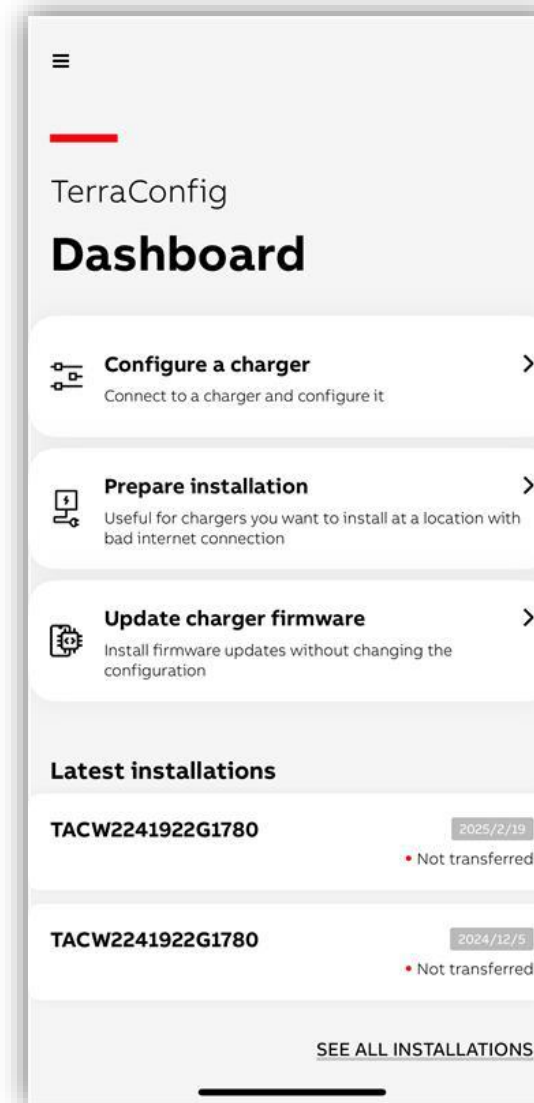


Update Charger Firmware



After pre-downloading the firmware on your phone, you can install it on your charger when you are on site, even if your phone has no network signal.

- Bluetooth connection is necessary between charger and app to install the firmware package onto your charger



Thank you