charge. fast. anywhere.

The flexible Wallbox.

NRG kick

charge. fast. anywhere.

Everything that your EV needs

Version 1.4

NRGkick App

1. Downloading the app

2. Inital connection of the NRGkick app via Bluetooth and entering the access code

3. Setting up and managing the WiFi connection

4. Setting up the cloud accout with the setup wizard

5. Changing or resetting the access code

6. Setting charging limits in the app

7. Configuration of automatic charging reports

8. Time control configuration: managing charging events with the app

9. Setup/connection of charging networks (OCPP)

10. Purchasing/setting up PV-led Charging

11. Local API

12. Contact/Support

1.1. Download the NRGkick app on your smartphone. It is available for Android in the „Google Playstore" and for iOS in the „App Store".
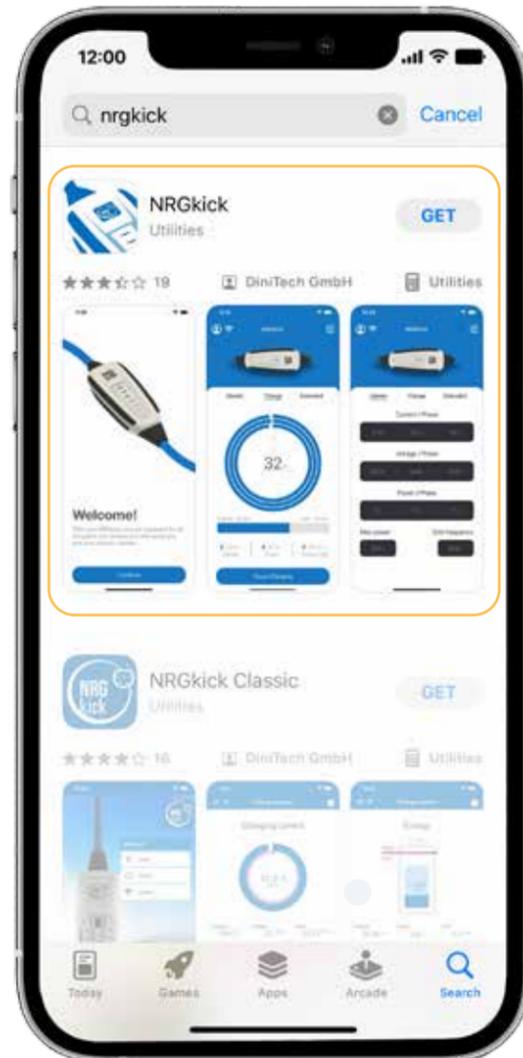
Attention:
The App „NRGkick Classic" only connects to the first generation of NRGkick.
Do not download it.

1.2. Open the app and make sure to be close to NRGkick (< 10m), as the connection is first established via Bluetooth.
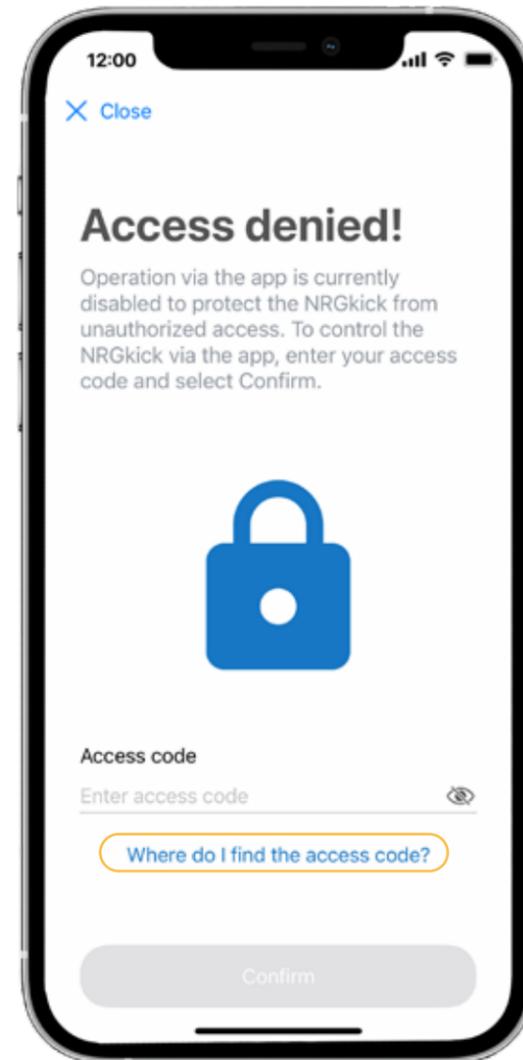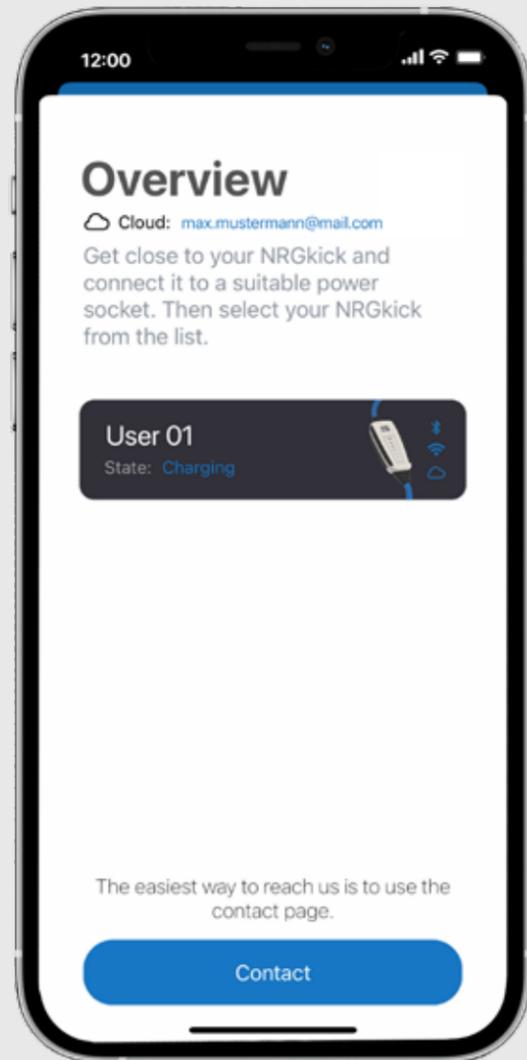(**Important**: Location must be activated!)
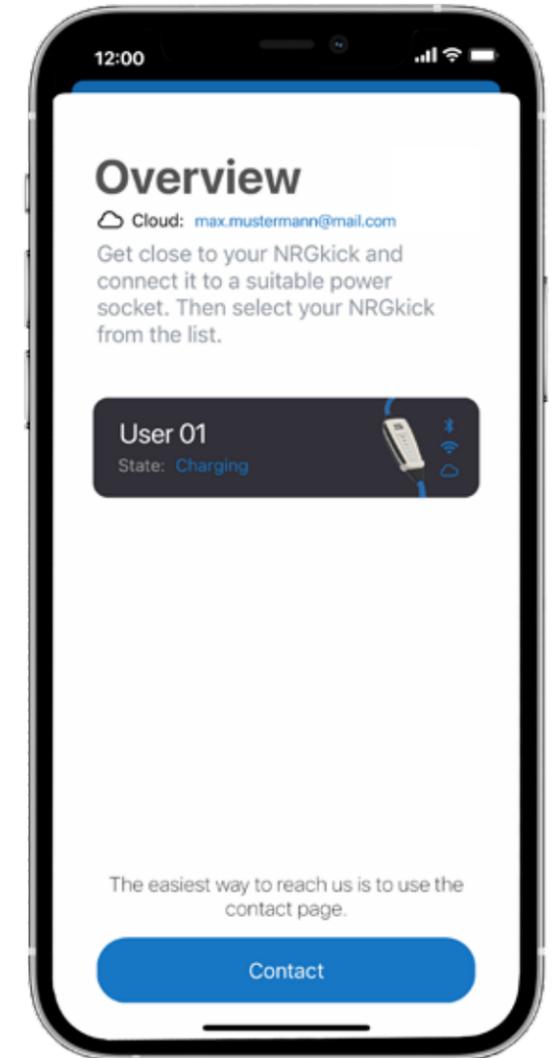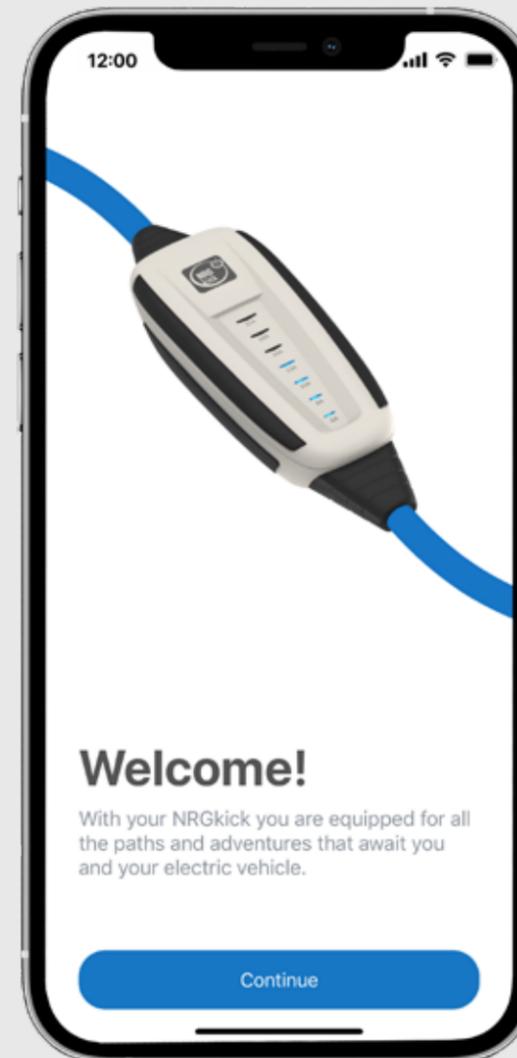
1.3. A new NRGkick without pre-configuration appears in the list with the Name „User01".

2.1. Select the new NRGkick unit (usually User01).

Overview

Cloud: max.mustermann@mail.com

Get close to your NRGkick and connect it to a suitable power socket. Then select your NRGkick from the list.

User 01
State: Charging

The easiest way to reach us is to use the contact page.

Contact

X Close

Access denied!

Operation via the app is currently disabled to protect the NRGkick from unauthorized access. To control the NRGkick via the app, enter your access code and select Confirm.

Access code

Enter access code 👁

Where do I find the access code?

Confirm

Access code

For NRGkick with factory settings or after a reset, the access code is a part of your serial number. The graphic below shows you which 7 digits are used for the access code for your NRGkick. You will find the serial number on the type plate on the back of your NRGkick.

DINITECH OVE CE

SN: T23325012**34560920**S1D2

32A 230V 400V~ 50Hz iC-CPD
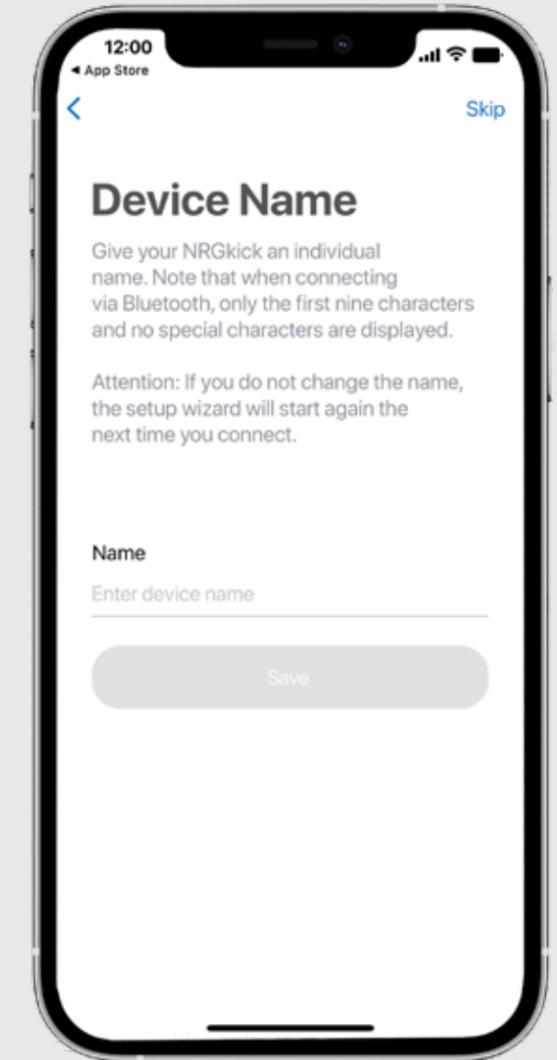
IΔn 30mA IΔnDC 6mA IP67 Made in Austria

2.2. Enter the access code: The access code consists of the 7 digits before the letter „S" in the serial number. You can find the serial number on the back of your NRGkick. You can later change the access code (see step 5).

After entering the code, access is activated.

2.3. Optionally, you can change the name of the NRGkick now or do this step later.

App Store   Skip

Device Name

Give your NRGkick an individual name. Note that when connecting via Bluetooth, only the first nine characters and no special characters are displayed.

Attention: If you do not change the name, the setup wizard will start again the next time you connect.

Name

Enter device name

Save

3.1. By clicking on „Add", you can search for and display available WiFi networks.

WiFi networks

Here you can find a list of configured WLAN networks. Up to 10 WLAN networks can be configured.

DINITECH-GUEST
Signal: Strong

Add

WiFi networks

Here you can find a list of configured WLAN networks. Up to 10 WLAN networks can be configured.

User 01
Signal: Strong

DINITECH-OFFICE
Signal: Strong

DINITECH-GUEST
Signal: Strong

Add

3.2. Select the desired WiFi.
Note: You can also create a hotspot with your own smartphone.

3.3. Enter your WiFi password and click on „Save". A connection is established.

Credentials

Enter the credentials of the selected WiFi network here

SSID
DINITECH-OFFICE

Password
Enter password

Save

WiFi location

Here you can set the location of a WiFi network. The assignment of a location affects the grouping in the charging report.

At home
At work
At the holiday home
At parents house

Save
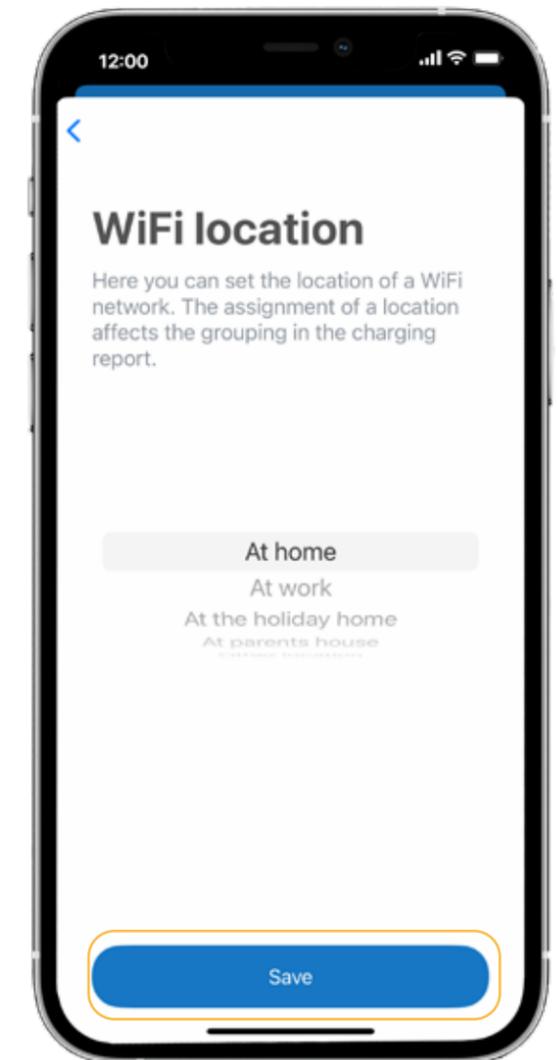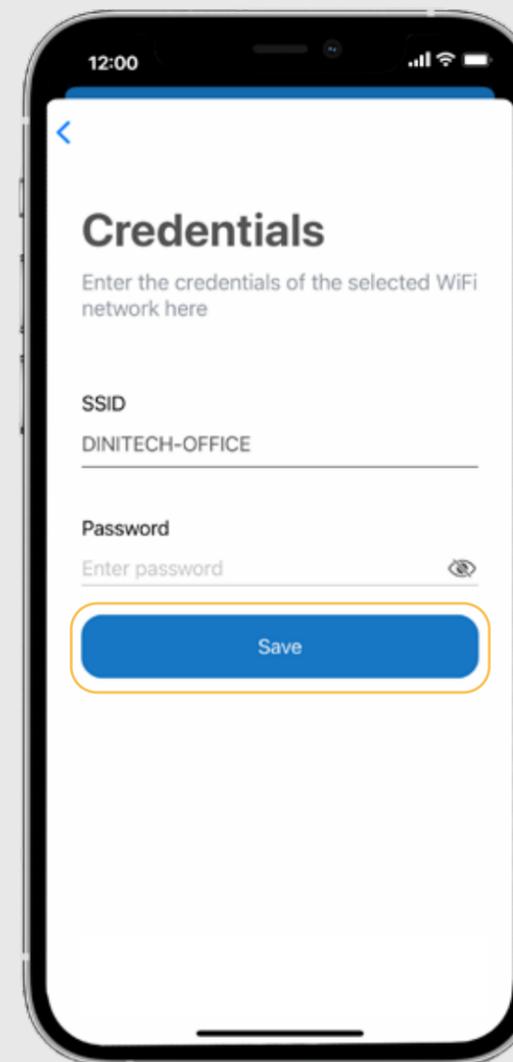
3.4. You can then assign a location to your WiFi. The location can later be included in the charging reports.

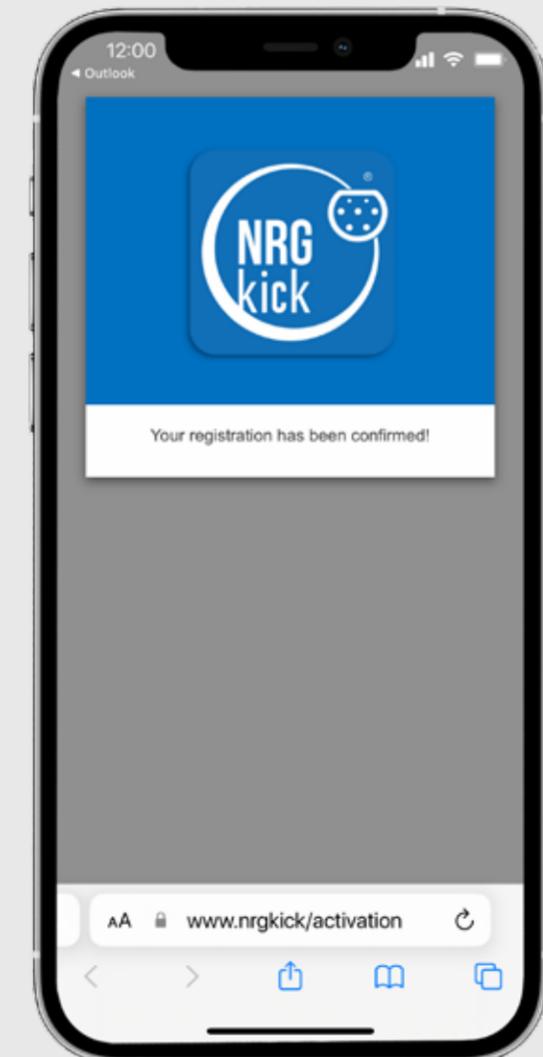**4.1.** In the Setup Wizard, tap on „Configure".

Settings
NRGKICK1

Language	en
Unit system	metric
Timezone	CET +1:00 Germany, France

Network

DINITECH-OFFICE
Signal: Strong

NRGkick Cloud

Configure

Cloud

The NRGkick Cloud gives you worldwide access to your NRGkick and offers additional features such as regular reports, voice control and connection to other services.

E-Mail
Enter e-mail address

Password
Enter password

Register

Reset password

Establish connection

4.2. To create a new, free cloud account, tap on „Register".

Willkommen bei NRGkick / Welcome to NRGkick

no-reply@nrgkick.com   12:00
To You

Willkommen bei NRGkick / Welcome to NRGkick

Aktivierungslink / Activation Link

See English version below.

Hello,

Welcome to your NRGkick Cloud! Please click on the activation link above this email to complete the registration. Then login with your email address and password in your NRGkick App and follow the steps to link your NRGkick with your NRGkick Cloud.

Reply

Email   Calendar   Feed   Apps

Your registration has been confirmed!

www.nrgkick/activation

4.3. After entering your information and tapping on „Create account" you will receive an email. Open it and click on the activation link to confirm your registration.

4.4. Switch back to the app and tap on „Link with account".
Your NRGkick is now successfully linked to your cloud
account.
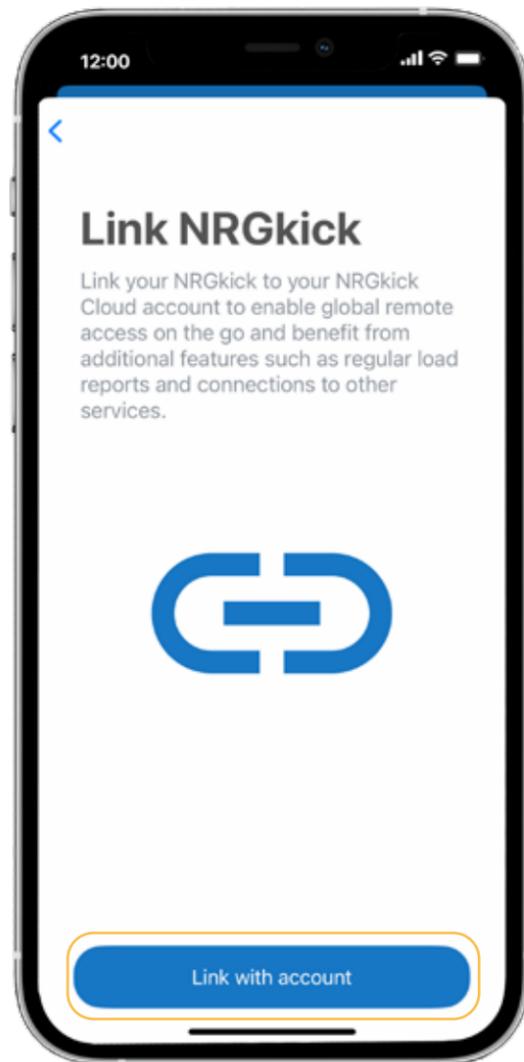
4.5. If no cloud account is created during the initial setup, you can do this at any later time. To do this, open the app and
make sure to be close to NRGkick (< 10m), as the connection is initially established via Bluetooth.

After establishing a connection, proceed as described below:
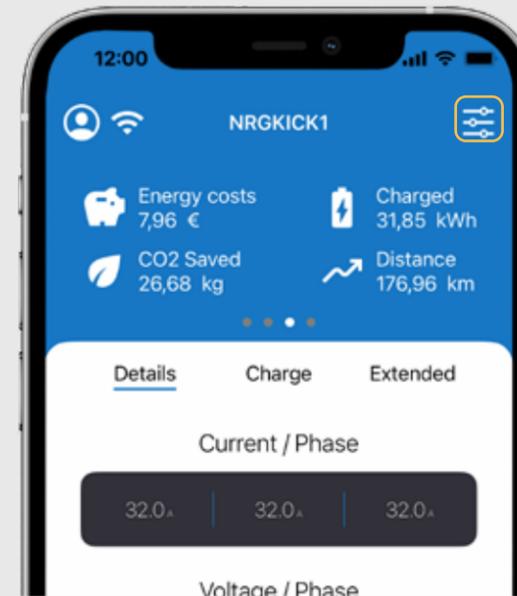
4.6. Tap the button in the upper right corner to access settings.

4.7. In the settings, tap on the „Configure" button in the section „NRGkick Cloud"
and then proceed as described on steps 4.1 - 4.4.
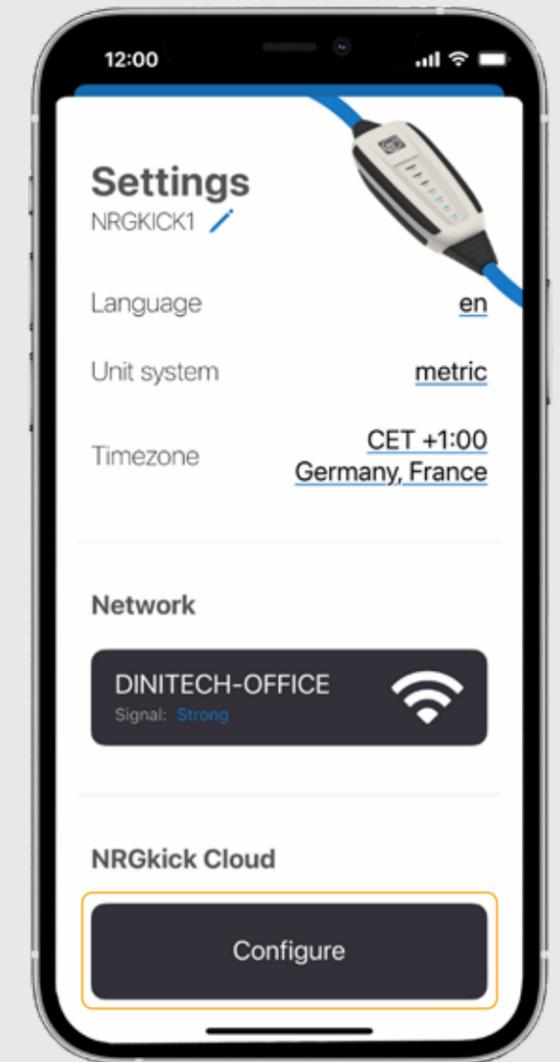
5. Changing or resetting the access code

5.1. Changing the access code:
Go to Settings, scroll down to „Security" and tap on „Access control".
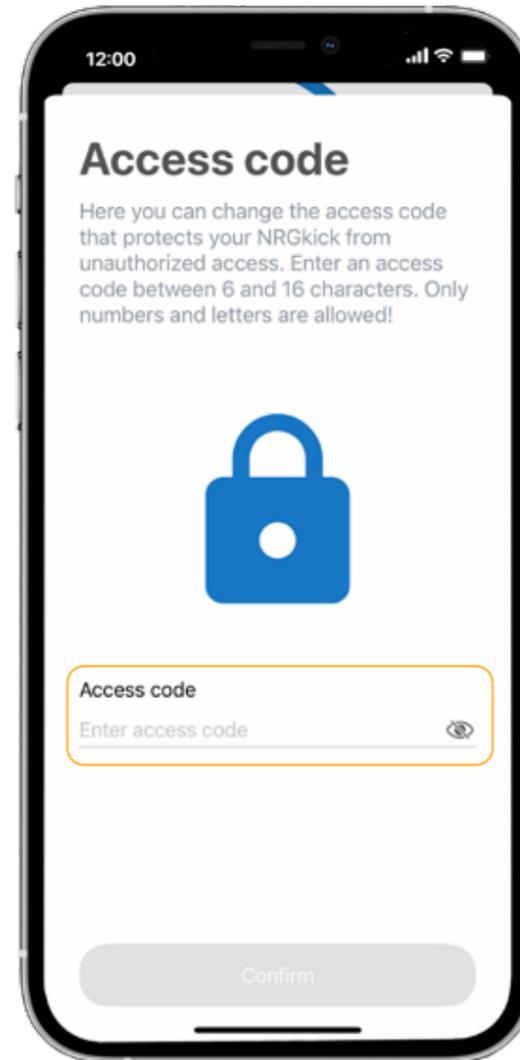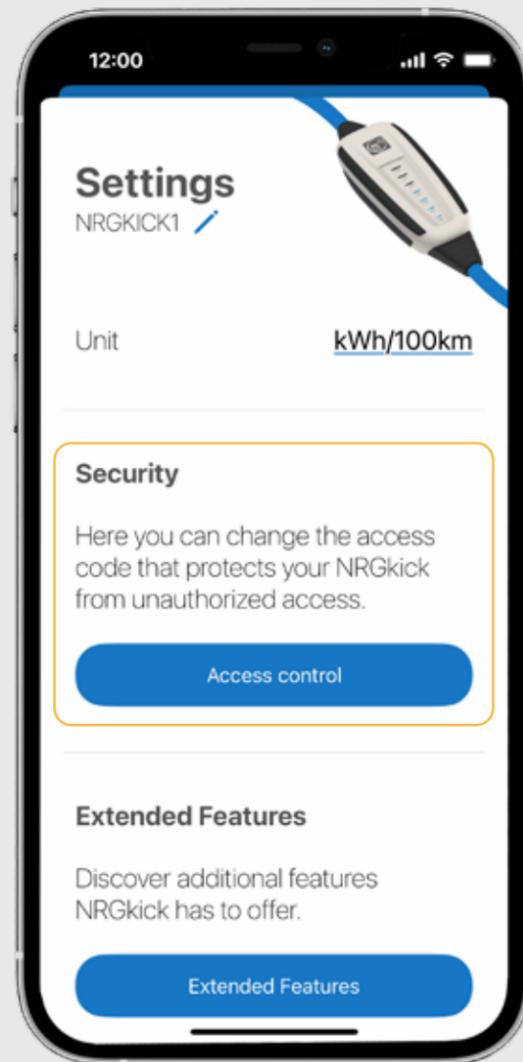
A field for changing the access code appears.
Enter the new code and tap on „Confirm".
The access code has been successfully changed.

5.2. Resetting to default password:
If you forgot your password you can reset it with the following steps:

1. Plug in NRGkick - 8A flashes 8 times
2. Press 24A IMMEDIATELY and hold it for about 10sec.
3. As a sign of successful reset, all LEDs now slowly flash 3 times.

ATTENTION: Charging data and charging processes which have not been transmitted via WLAN before the reset will be lost. Therefore, if possible, connect the unit to the Internet and the cloud before performing a reset, to back up the data.

6.1. Even for vehicles that do not have the option to enter charging limits, NRGkick can prevent the battery from being permanently charged fully.

To do this, open settings at the top right.
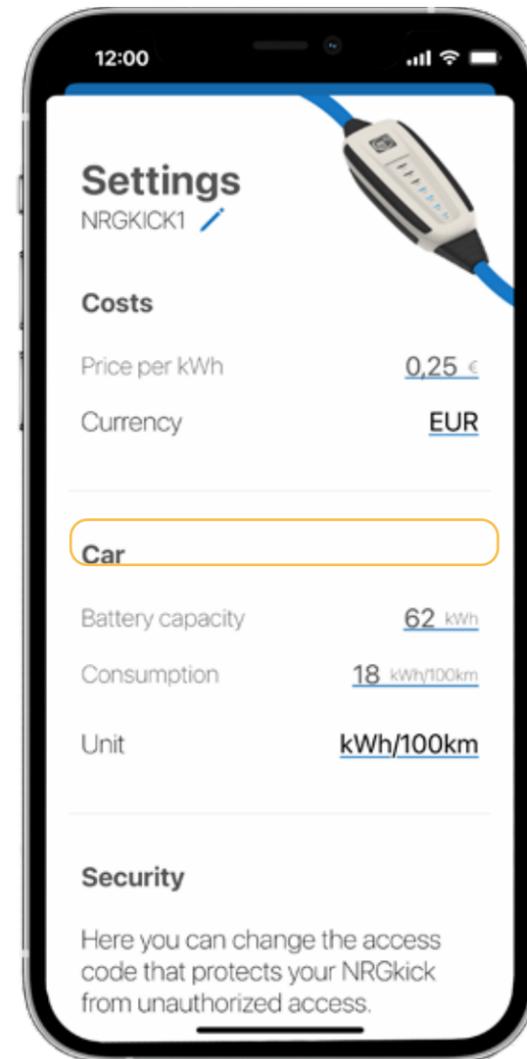
6.2. Under „Battery capacity" you can enter the battery size.
Slide down the settings area to save changes.

6.3. Under the section „Charge", you can now set the regulator to the desired charging quantity.
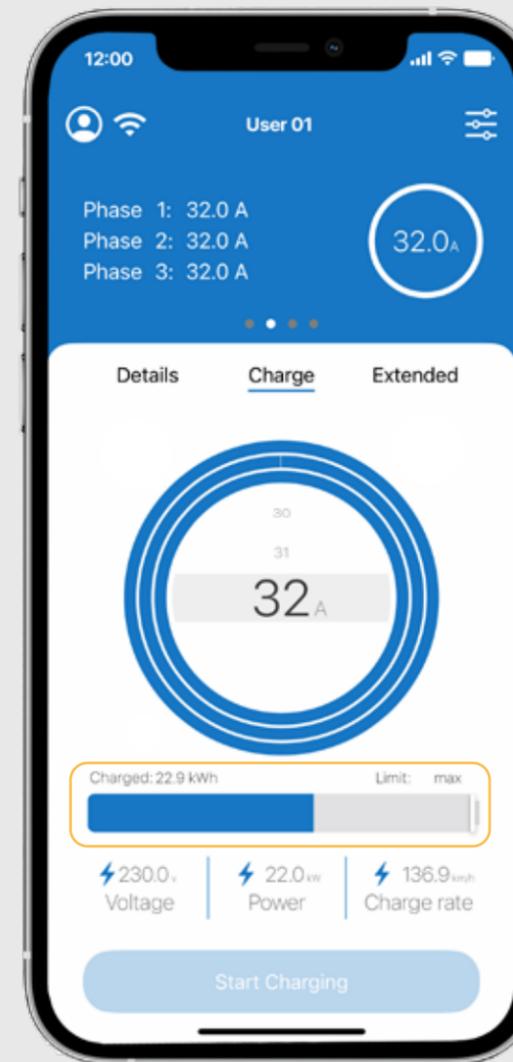
If a charge is started at 30% SOC (battery level), move the slider to the middle (50%) to end the car charge at 80% and thus preserve the battery.

NRGkick can send automated charging reports to a defined email address.

To use this function, the cloud account must be set up once and the charging report function must be configured.

Charging reports can be sent e.g. weekly, monthly or for individually defined periods.

Charging reports can be received as PDF and/or CSV files.

NRGkick requires a connection to the Internet in order to send charging reports.

**7.1.** On the home screen of the app, go to the section „Extended".
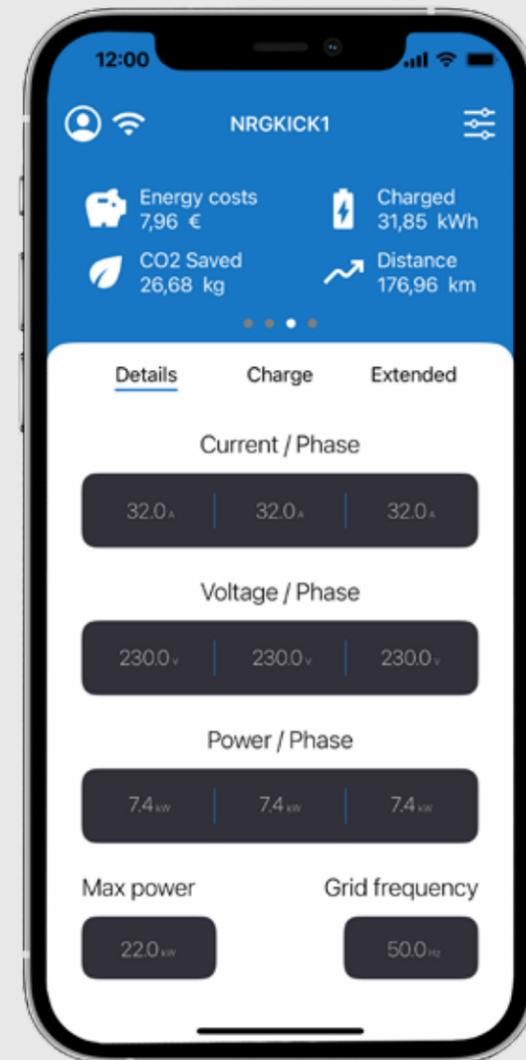
Tap on „Configure reporting" in the section „Charging Reports".

Charging Reports

Here you can select a timespan and create a report that is sent to your configured email address.

Timespan
Monthly
Weekly

Recipient

E-Mail
patricia.pirker@dinitech.at

Interim Report

Selected Timespan

Last 7 Days
Last 30 Days
Custom Timespan

From: 10.09.2023
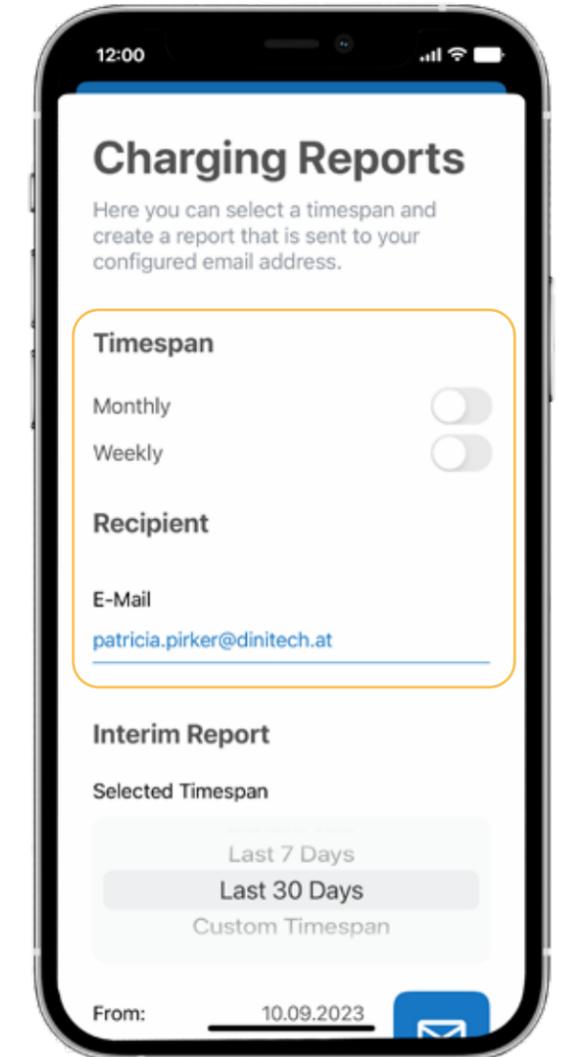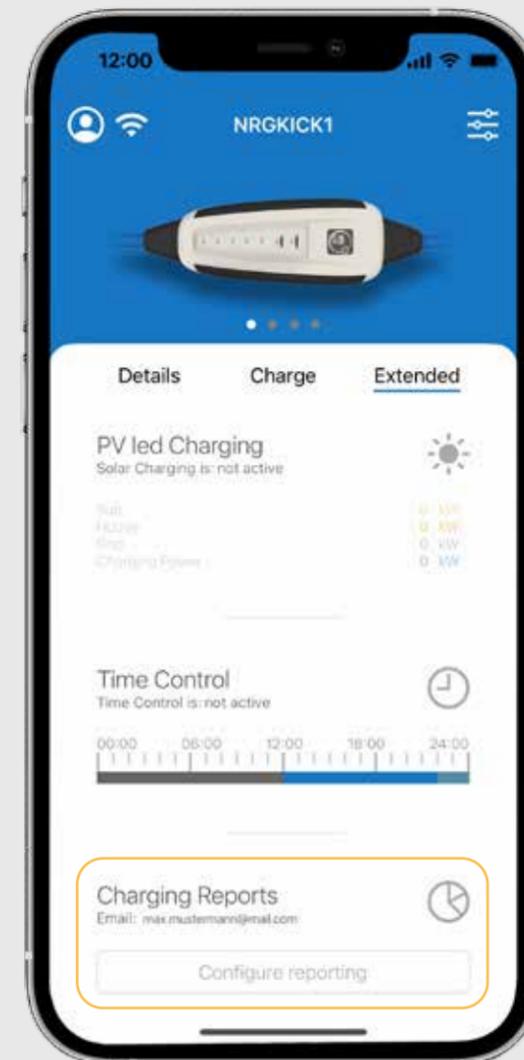
7.2. Enter the desired timespan and the recipient mail address for the reports.

7.3. A file name prefix and a user-defined field, such as a number plate or employee number, can also be entered in the charging report. The selection of the user-defined field can be changed by scrolling on the gray background area.
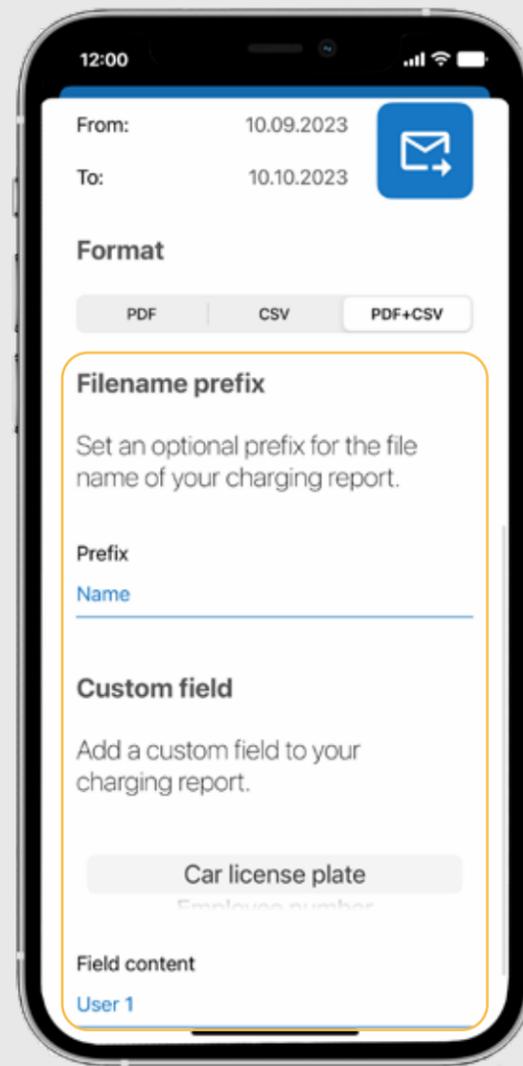
You can configure the charging reports according to your needs.

You can send monthly and/or weekly reports, or reports for custom periods as PDF and/or CSV file. We recommend selecting both file formats.

In the section „Recipients", you specify which email address the reports will be sent to.

Charging reports can only be sent if your NRGkick has a connection to the Internet (for example, a WiFi network has been set up and is in range, or the unit has a SIM module).

There are also customizable fields that can be added to the report (e.g. numer plate, user, …) and the file name can be customized as well.

8.1. On the home screen of the app, go to the section „Advanced" and tap on „Time Control".
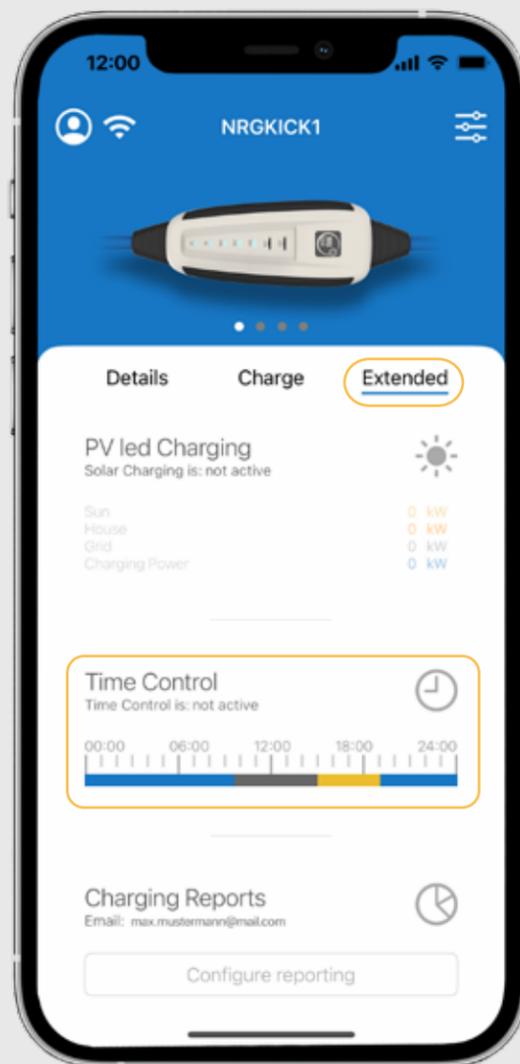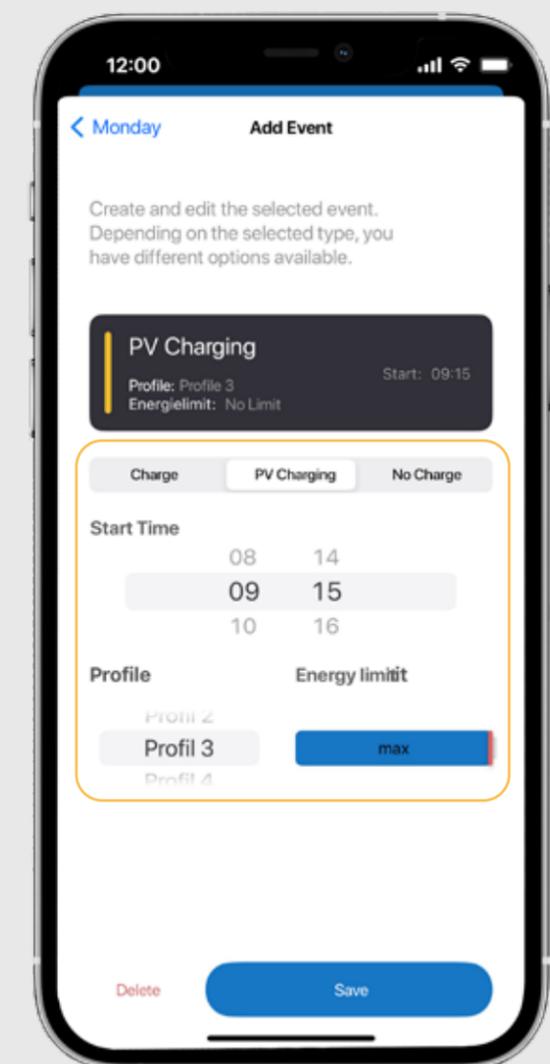
Tap on the desired day of the week in the list.
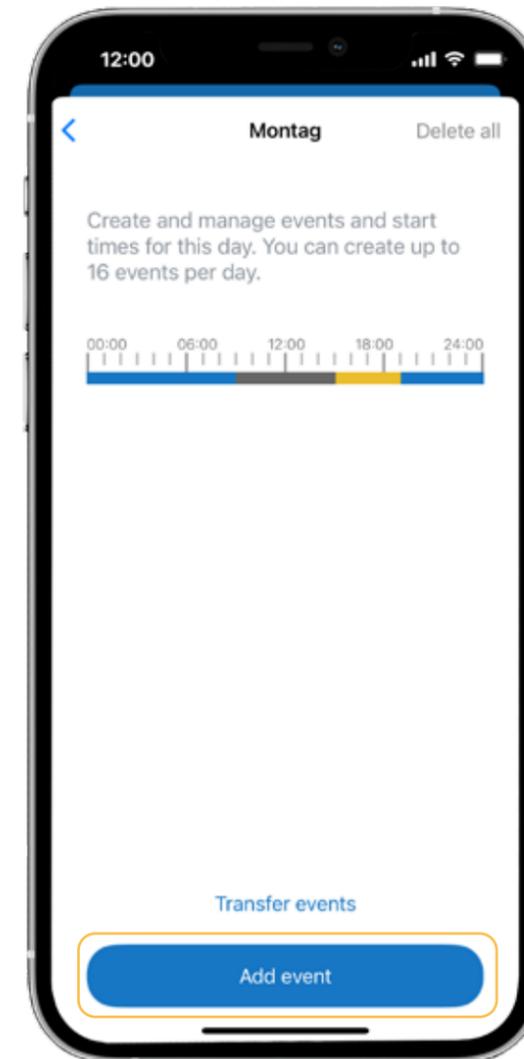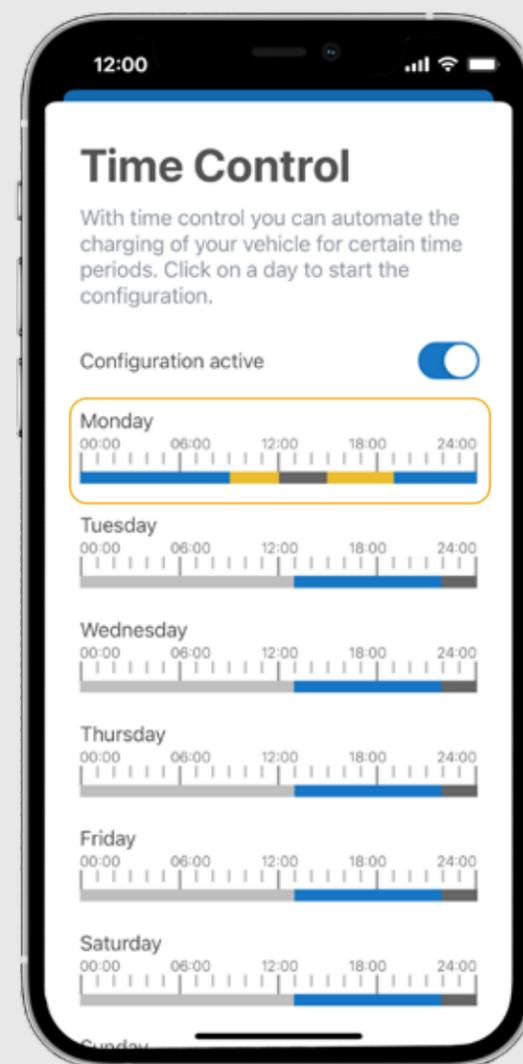
8.2. Tap on „Add event" to add start and end times.

8.3. The charging current and/or the charging quantity can be set individually. Enter the desired settings and tap on „Save".
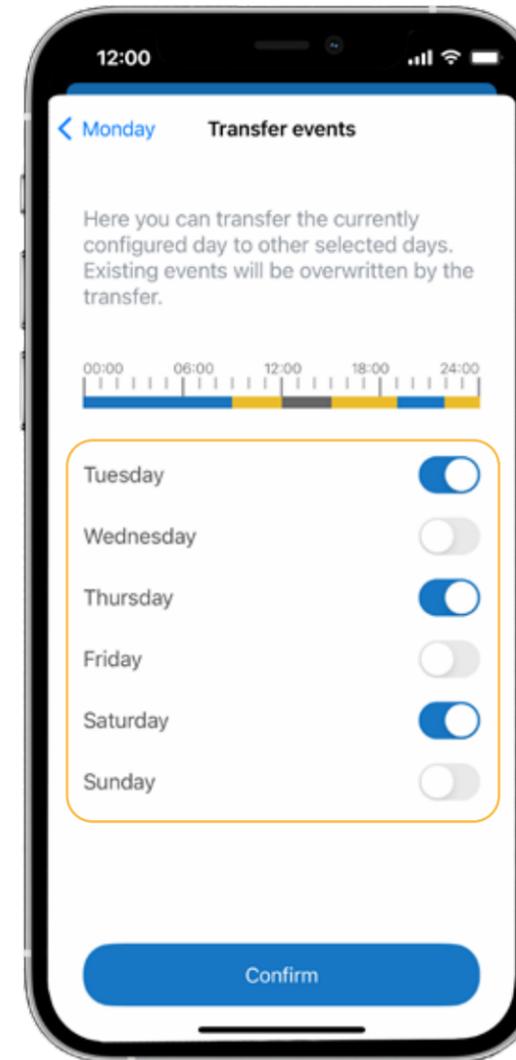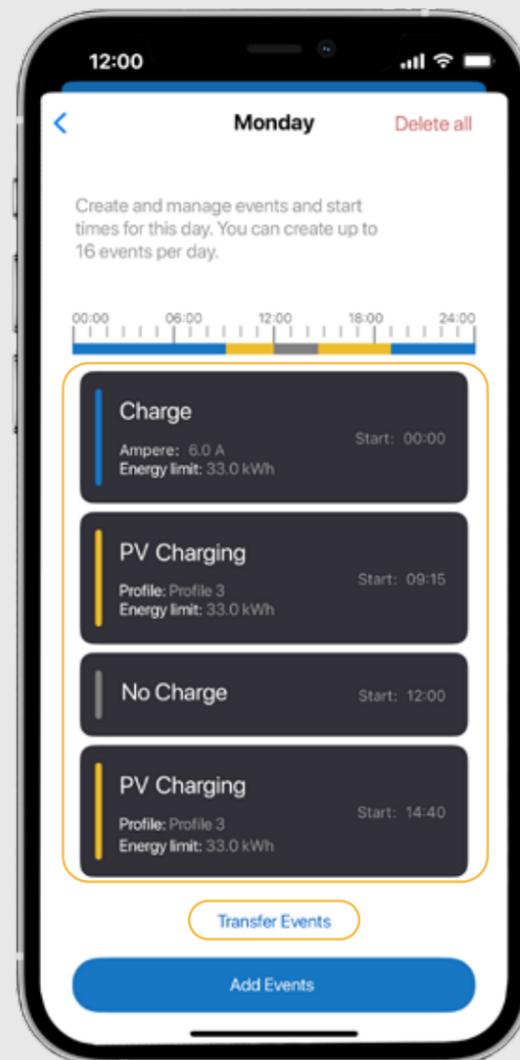
8.4. After saving, a blue bar indicates the time of charging. Charging does not take place during the yellow marked periods.

8.5. Several different charging windows can be defined for each day. By clicking on „Transfer events" a day profile can be transferred to other weekdays.

8.6. To do this, click on „Transfer events" and activate the desired days. Then tap on „Confirm".

8.7. The slide switch next to „Configuration activated" can be used to activate or deactivate the Time Control.
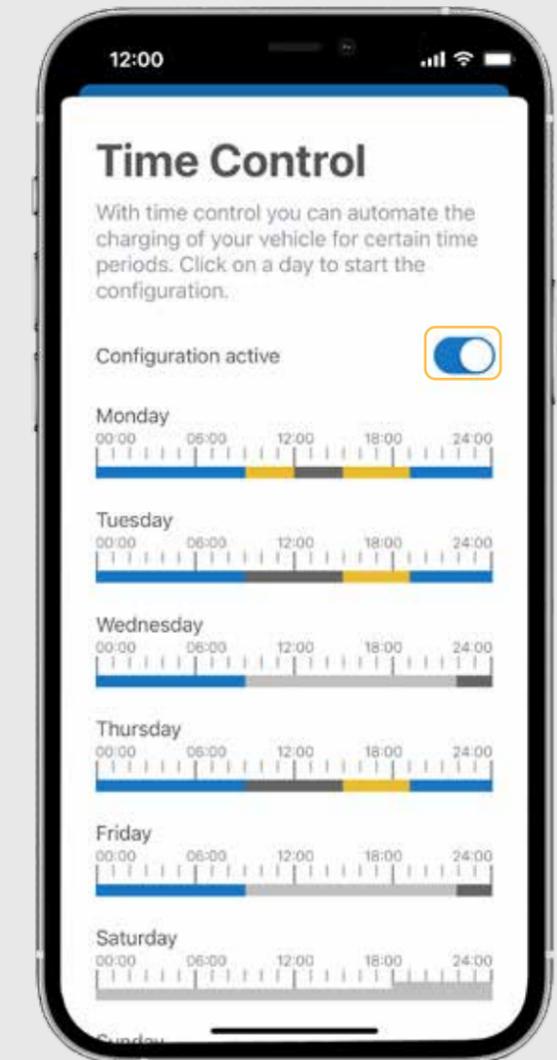
NRGkick offers OCPP as an optional upgrade. This enables a communication with ChargePointOperators (CPOs) using OCPP (Open Charge Point Protocol), for example to transmit charging data for billing purposes. Some providers are already preconfigured (and more are being added constantly) - but you can also enter the required data yourself.

With OCPP, your NRGkick is managed in a central management system and can be controlled together with other charging points. Thus, operators of charging networks can easily include, manage and support NRGkick.
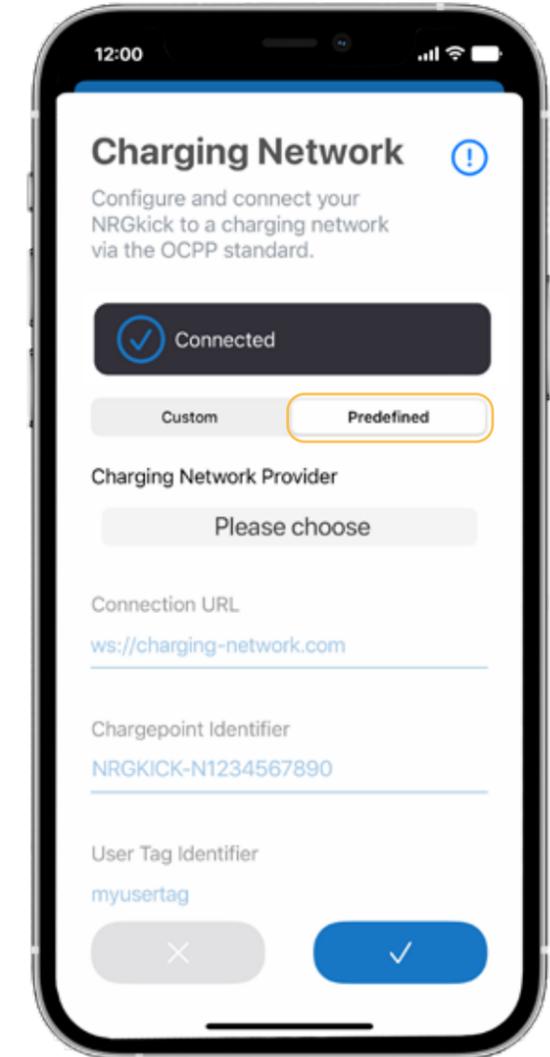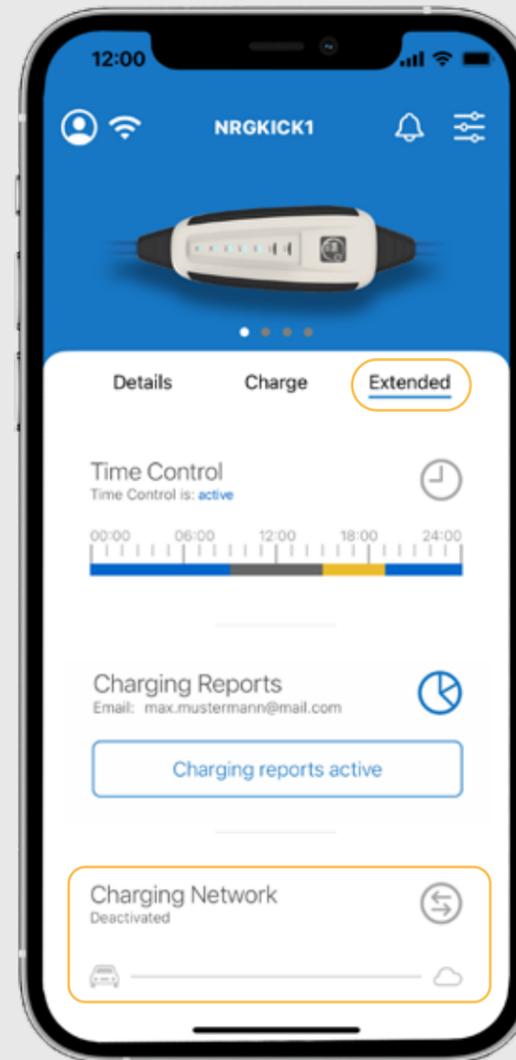
Note:
OCPP is used by corporate customers only and not relevant for private users.

There are three different OCPP variants to choose from:

1. Manual input by the user
2. A predefined user is selected
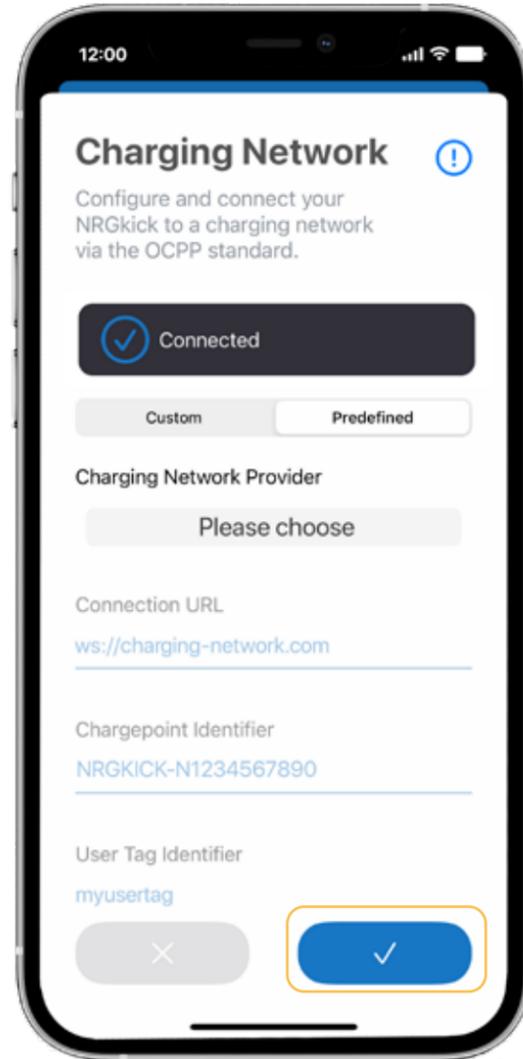3. Configuration by Dinitech

9.1. Go to the section „Extended" and scroll down.
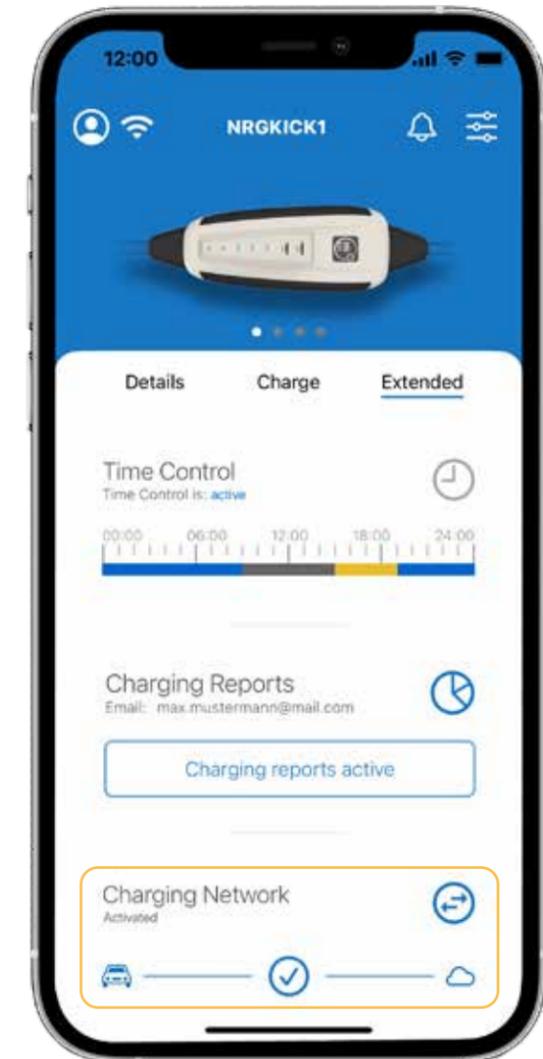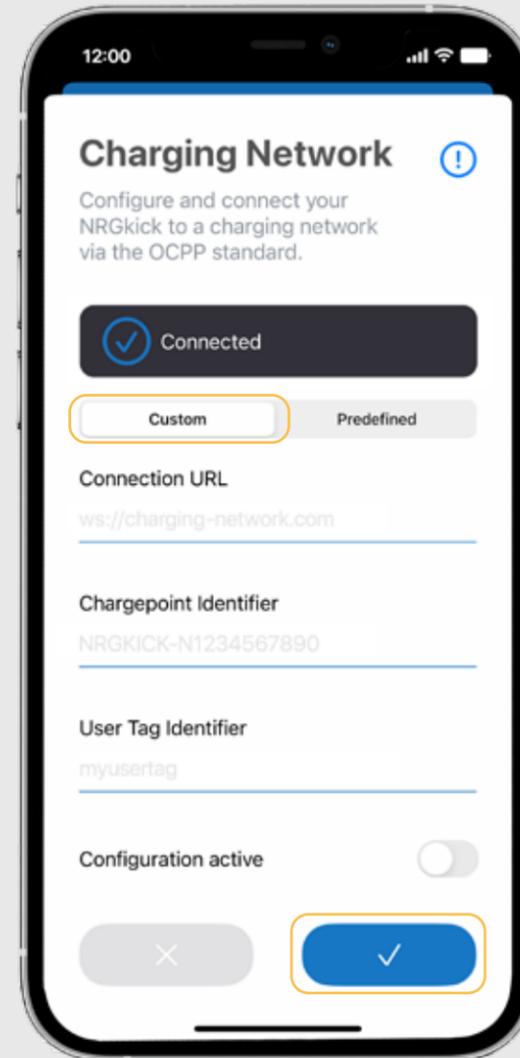Tap on „Charging Network".

9.2. If the charging network partner is permanently integrated, select „Predefined". The connection URL and charger ID are pre-filled in this case (from parts of the NRGkick serial number).

9.3. If your charging network provider is not preconfigured, all data can also be entered manually under „Custom" and confirmed with the blue checkmark button.
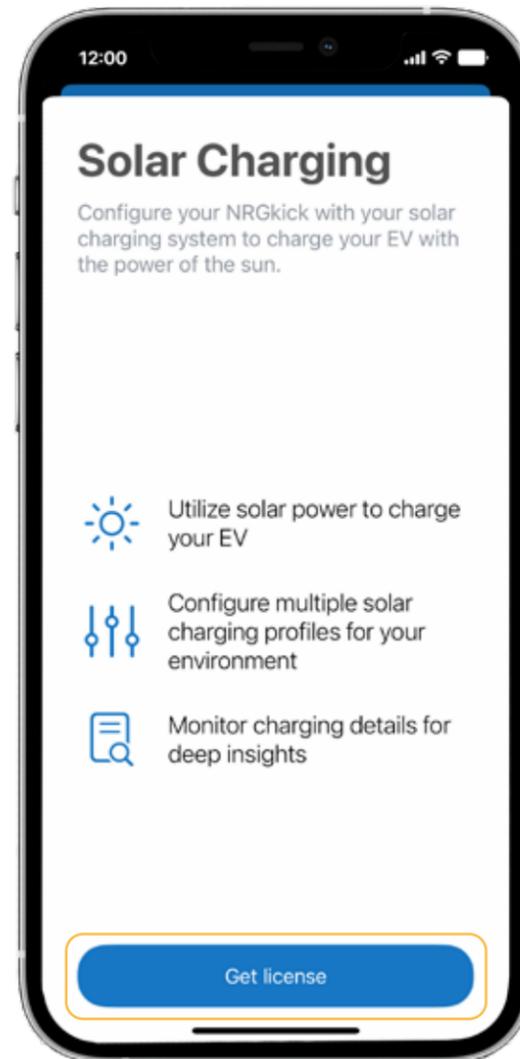

Fill in user ID: Depending on the provider, the user ID is either filled in automatically (as part of the NRGkick serial number) or must be entered manually. When all information is complet, you can confirm the entry by tapping the blue checkmark button.
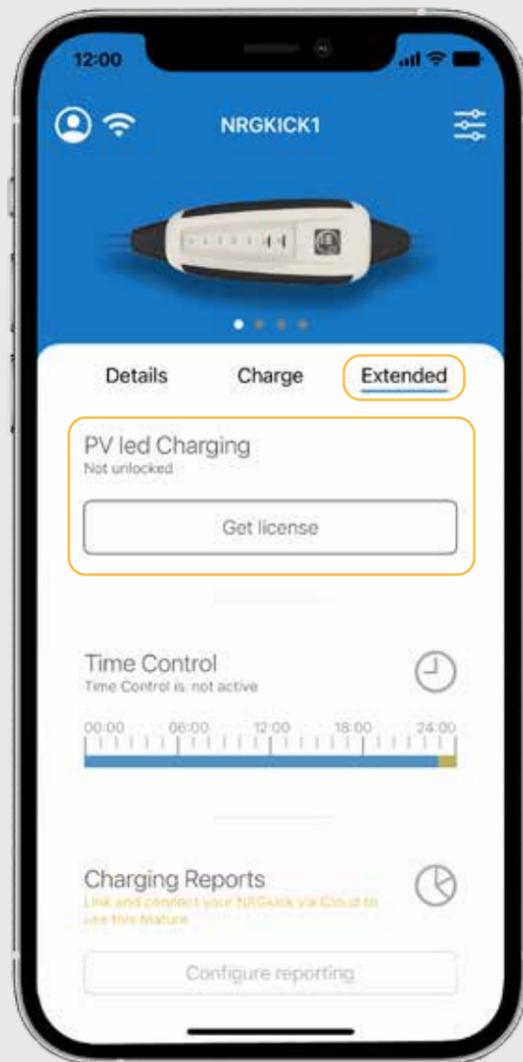
9.4. After a few seconds, the connection to the charging network is established.
This enables the automatic recording of all charging processes for fleet managers.

10.1. In the section „Extended", you can buy the software license for „PV-led Charging".

Solar Charging

Configure your NRGkick with your solar charging system to charge your EV with the power of the sun.

Utilize solar power to charge your EV

Configure multiple solar charging profiles for your environment

Monitor charging details for deep insights
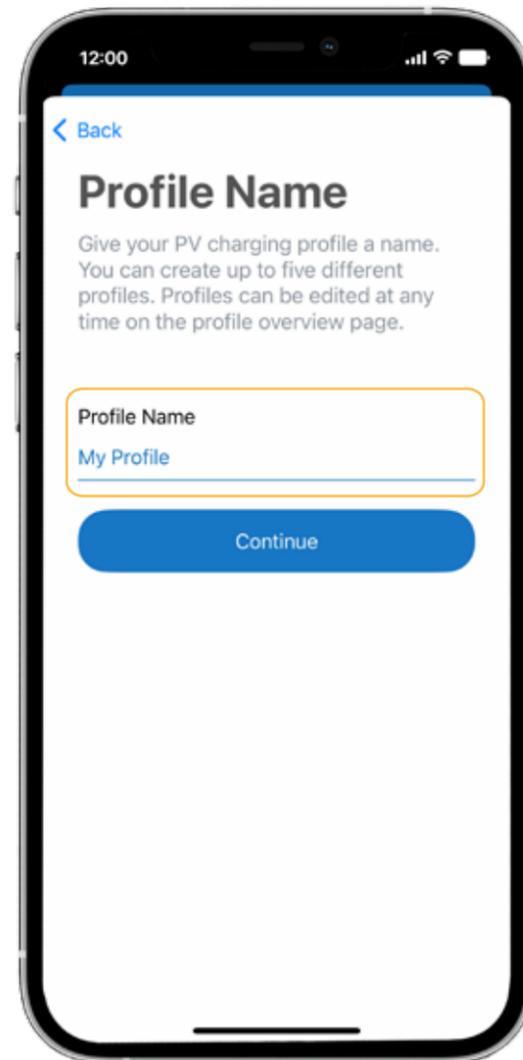
10.2. Tap on „Get license". You will be redirected to our website.

10.3. The product PV-led Charging will be added directly to your shopping cart. Now, you just need to complete the purchase.

"PV-led charging" has been added to your cart.
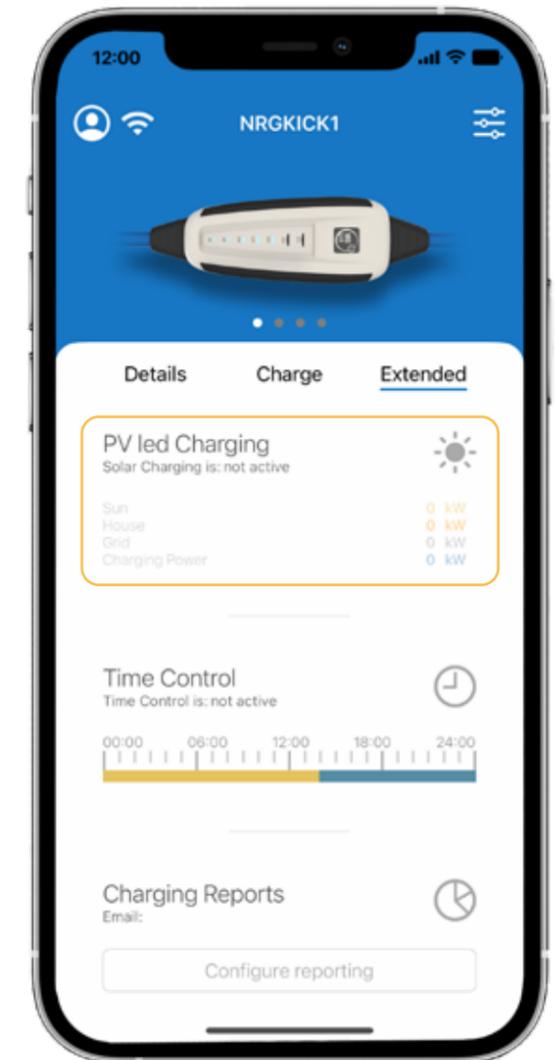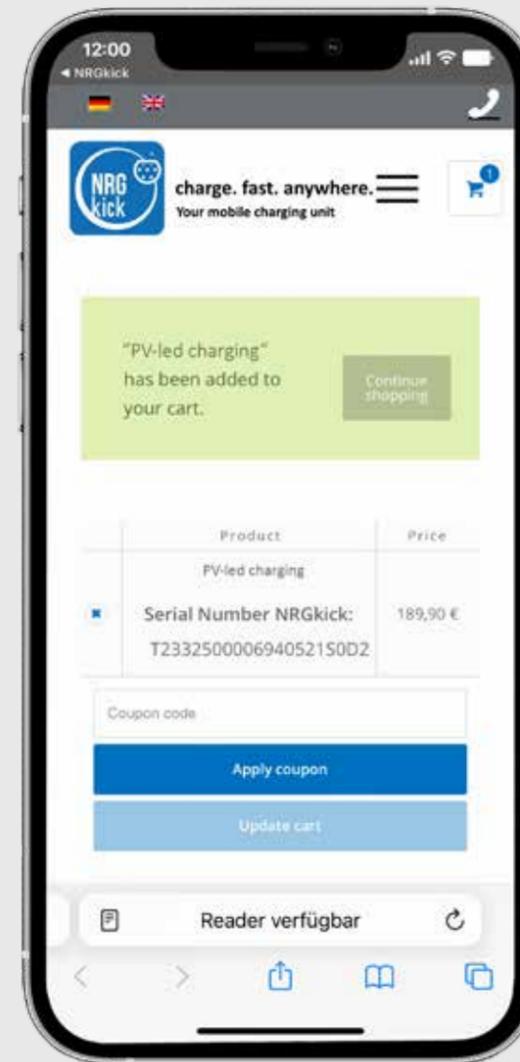
10.4. You will see the newly enabled „PV-led Charging" function in the app. By tapping on „PV-led Charging", you can start the setup.

10.5. Tap on „Configure PV Charging" to start the configuration.

10.7. Now, all devides that are found in your network are automatically added to the profile. This is currently only available for the brands Fronius and SMA, other devices can be added manually. You can find a detailed description on how to add devices manually in the document „PV manual extended".

10.6. First, add a name to your profile. Tap on „Continue".
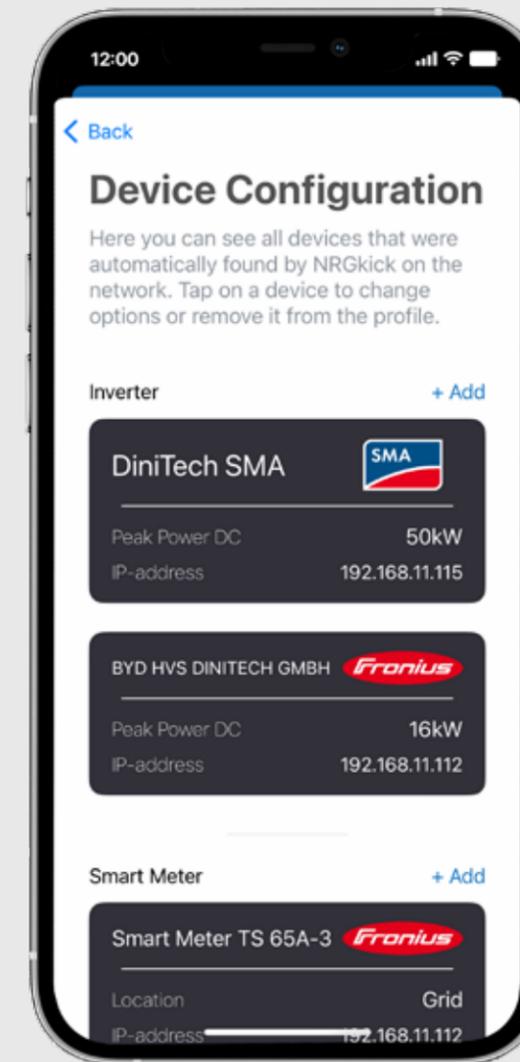
For more information on how to use **Custom API** to integrate your devices, please refer to the document „Custom API".

10.8. Now tap on the desired PV charging strategy.

Solar Charging Strategy

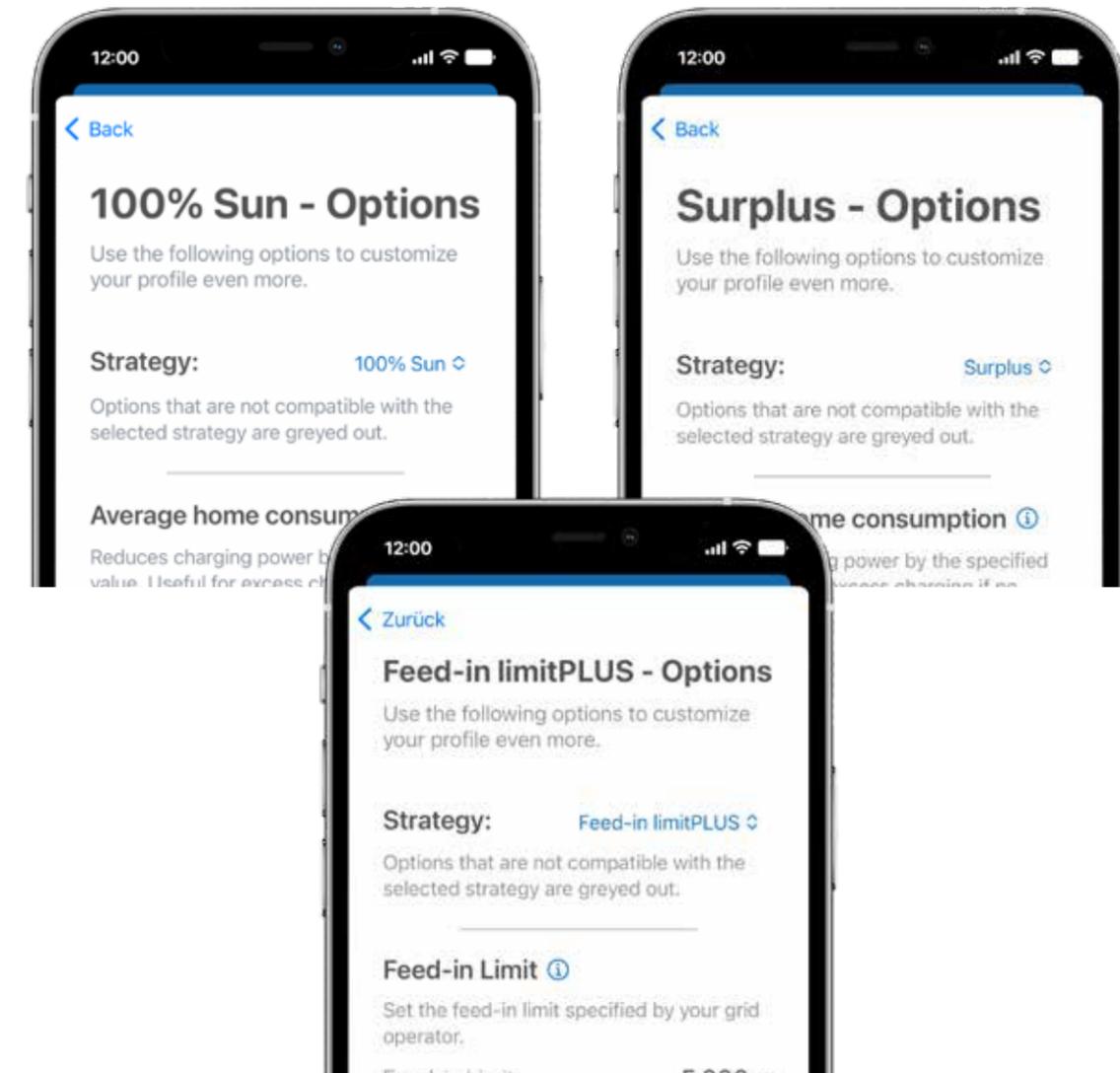Please select a strategy for your solar charging profile.

Surplus

With this strategy, you can charge your e-car with the surplus energy generated by your PV system and charge without drawing from the grid.

> Surplus >

100% Sun

Charge your e-car with the total amount of solar energy produced. This strategy is well suited for PV systems without smart meters.

> 100% Sun >

Feed-in limitPLUS

Use this strategy to counteract a feed-in limit. When you set your feed limit, the NRGkick uses the energy that would otherwise be lost.

> Feed-in limitPLUS >

ℹ️

If you use a smart meter, we recommend using the charging strategy „Surplus".

If you don't use a smart meter, we recommend using the charging strategy „100% sun".

If you want to charge your car and feed into the grid at the same time, we recommend using the charging strategy „feed-in limitPLUS".

100% Sun - Options

Use the following options to customize your profile even more.

Strategy: 100% Sun ⬍

Options that are not compatible with the selected strategy are greyed out.

Average home consum...

Reduces charging power b...

Surplus - Options

Use the following options to customize your profile even more.

Strategy: Surplus ⬍

Options that are not compatible with the selected strategy are greyed out.

...me consumption ℹ️

...g power by the specified

Feed-in limitPLUS - Options

Use the following options to customize your profile even more.

Strategy: Feed-in limitPLUS ⬍

Options that are not compatible with the selected strategy are greyed out.

Feed-in Limit ℹ️

Set the feed-in limit specified by your grid operator.

10.9. Within the respective strategies, there is a variety of additional settings that you can adjust. These settings are described in detail in the document „Setup PV-led charging".
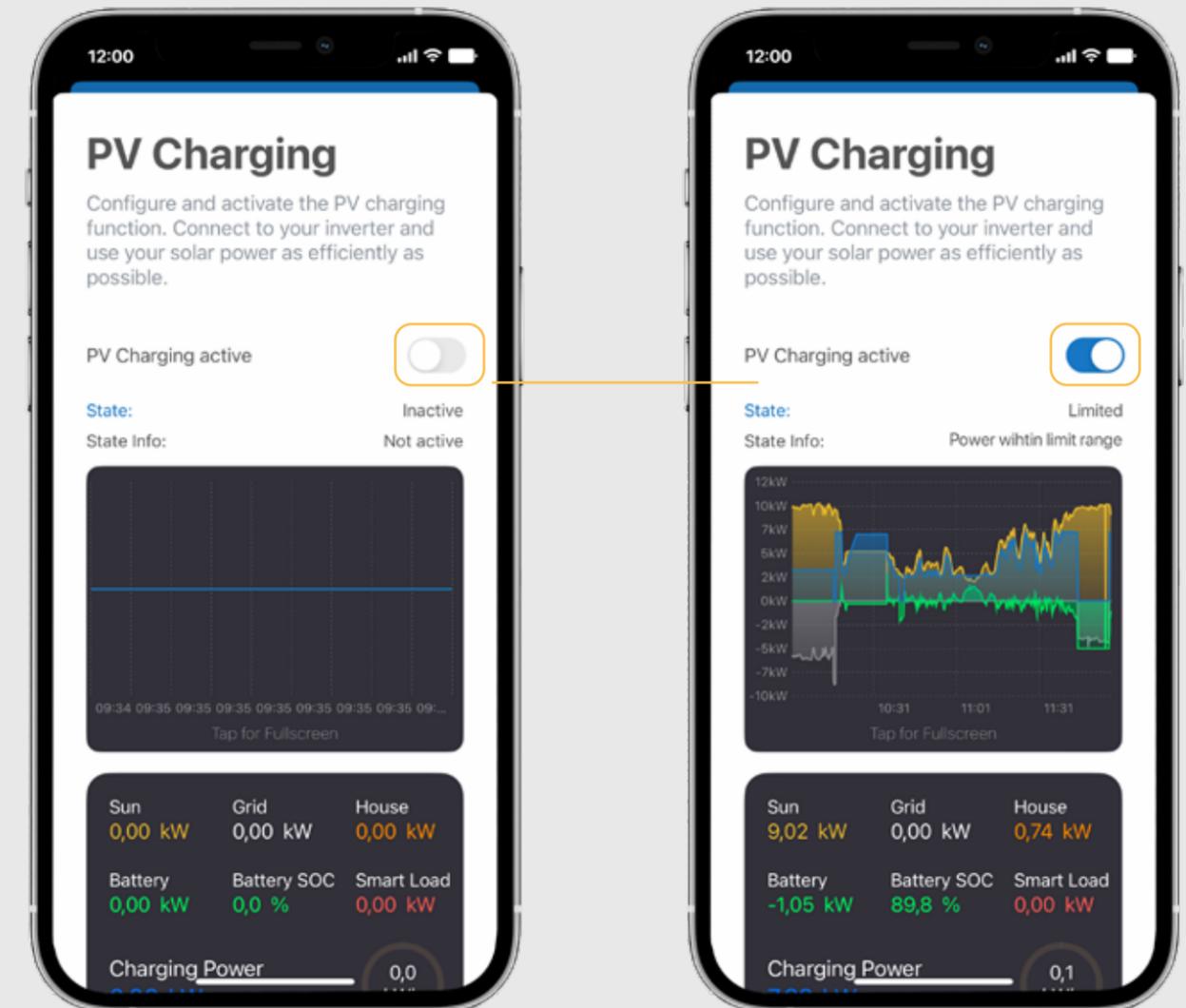
10.10. If you have completed all desired settings, tap on „Save".
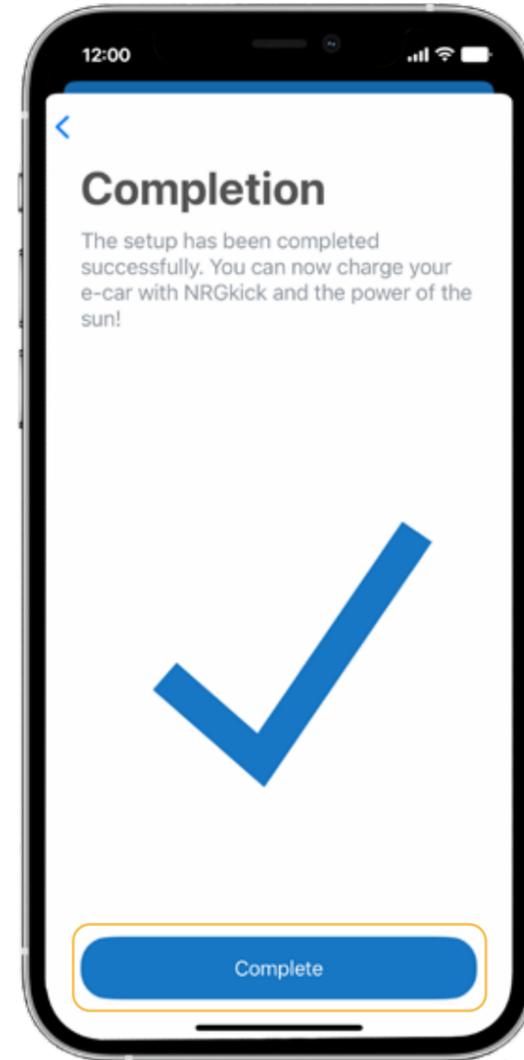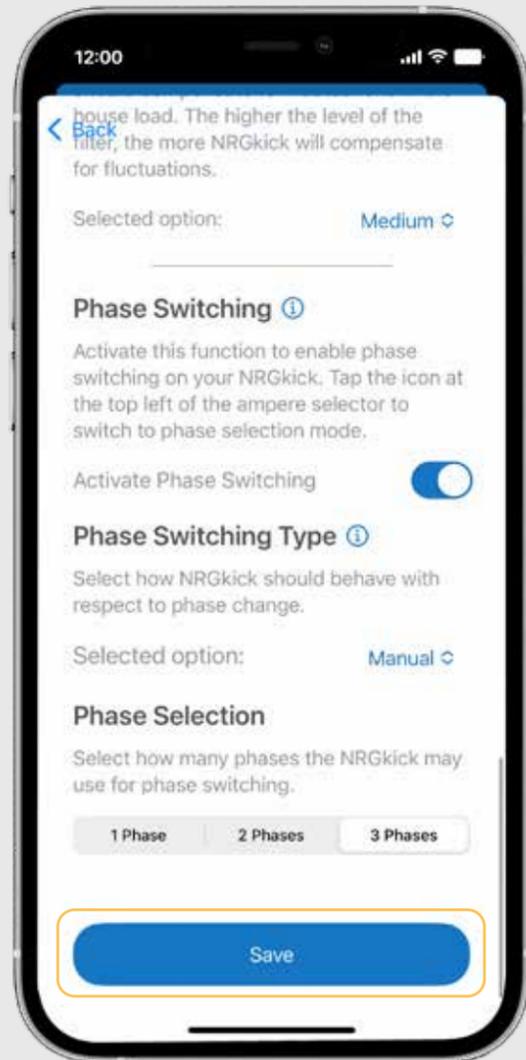
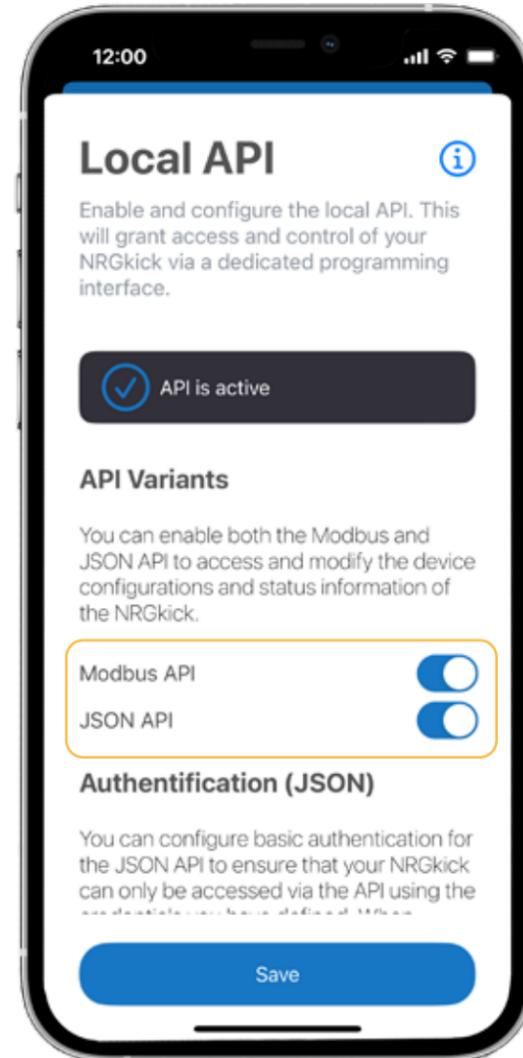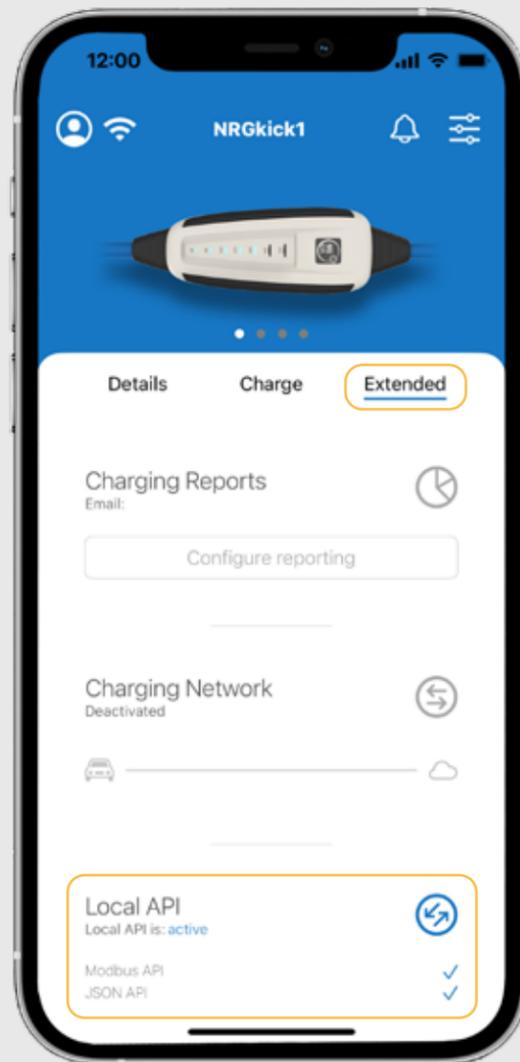**10.11.** Tap on „Complete" to finish the PV configuration.

10.12. Once you have successfully set up your profile, you will be redirected to the overview page and just need to activate the PV-led charging feature.
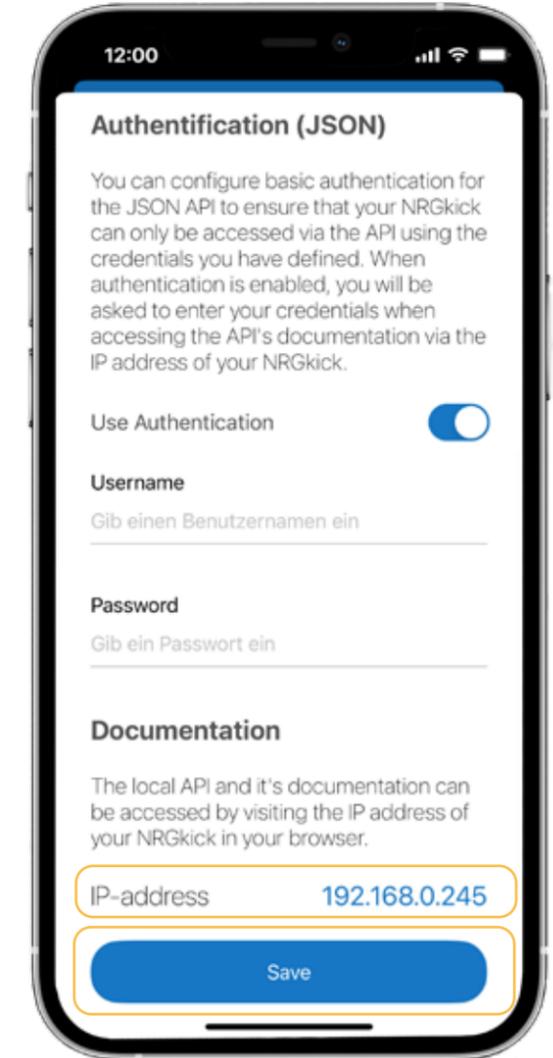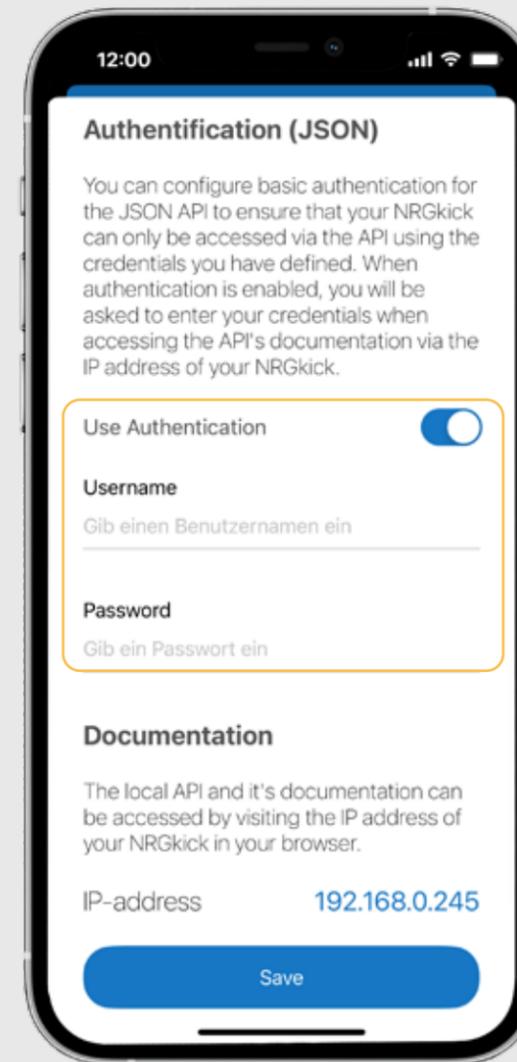
11.1. Go to the section „Extended" and scroll down. Tap on „Local API."

11.2. You can now activate Modbus API and/or JSON API protocols.

11.3. For JSON API, you can activate authentication to restrict access.

11.4. You can access the API documentation with the IP address of your NRGkick. Finally, tap on 'Save'.

If you have any further questions or need help,
feel free to contact us:

DiniTech GmbH
+43 664 537 62 51
office@nrgkick.com

Support
+43 664 401 13 50
support@nrgkick.com