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Version 1.4



NRGkick App



1. Download the app



2. Initial connection of the NRGkick app via Bluetooth and enter access code



3. Setup and managing the WiFi connection



4. Setup of the cloud account with the setup wizard



5. Change or reset access code



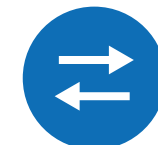
6. Set charge limits in the app



7. Configuration of automatic charging reports



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



9. Setup/connection of store networks (OCPP)



10. Purchase/Setup of PV-led Charging



11. Local API



12. Contact/Support

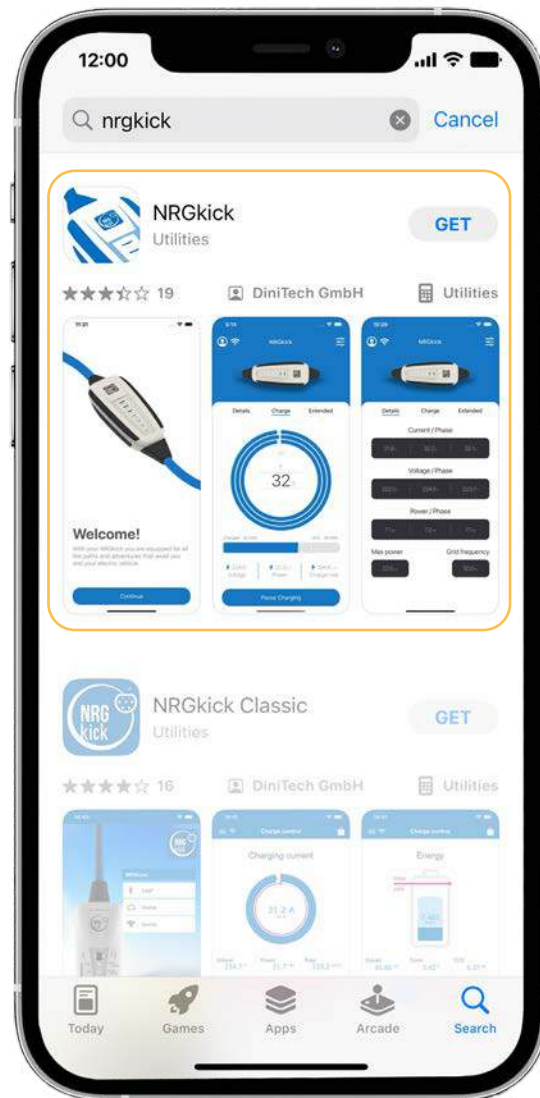
1. Download the app



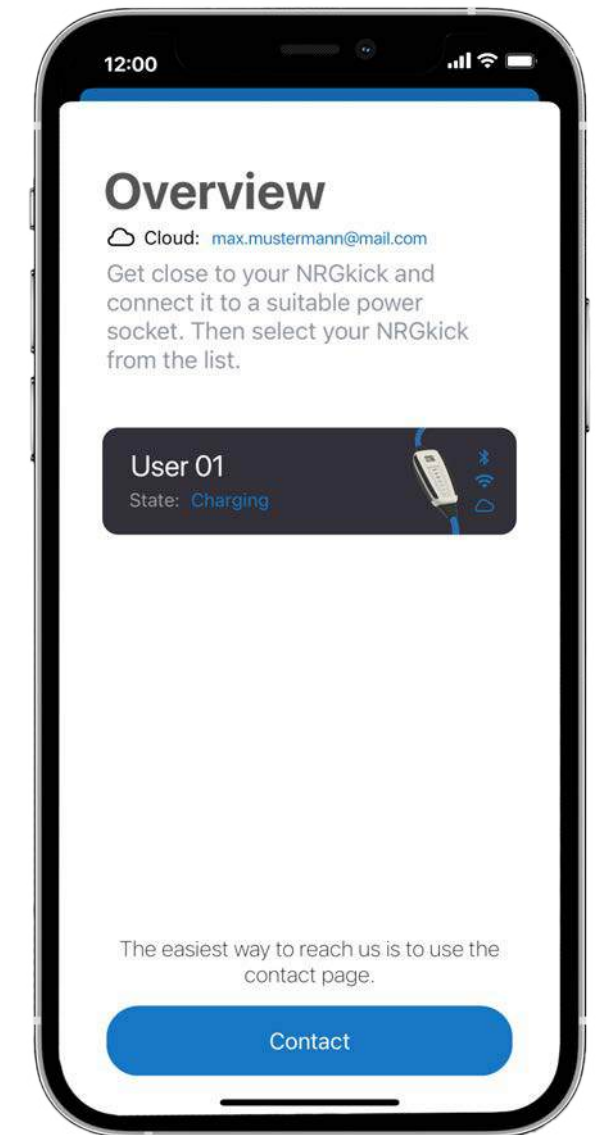
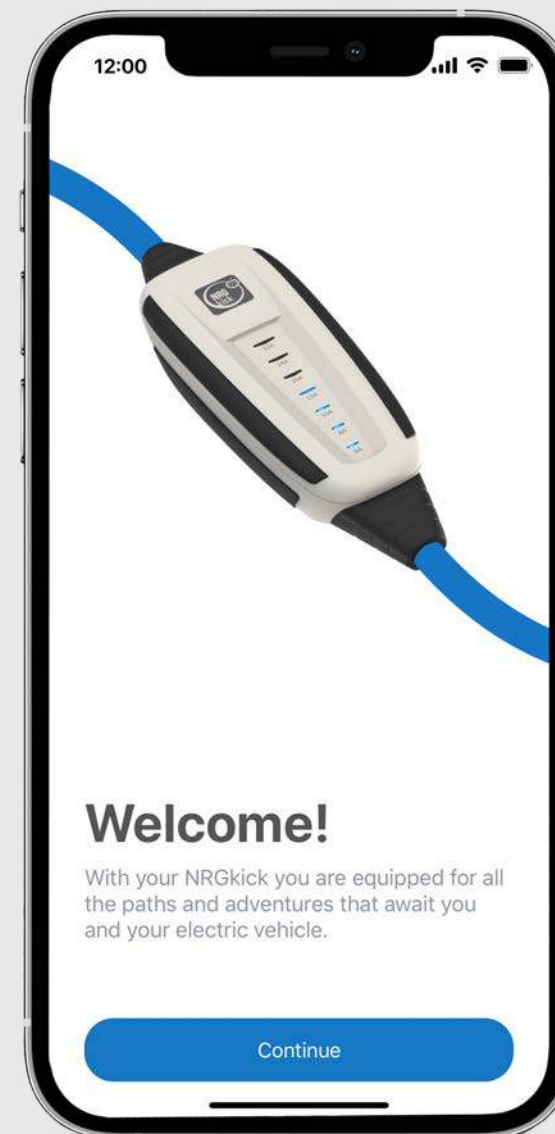
1.1. Download the NRGkick app on your smartphone. It is available for Android in the „Google Playstore“ and for iOS in the „App Store“.



Attention:
The App „NRGkick Classic“ is the app for the old NRGkick, do not download it!

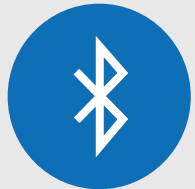


1.2. Open the app and get close to the NRGkick (< 10m), as the connection is first established via Bluetooth. (**Important:** Location must be activated!)

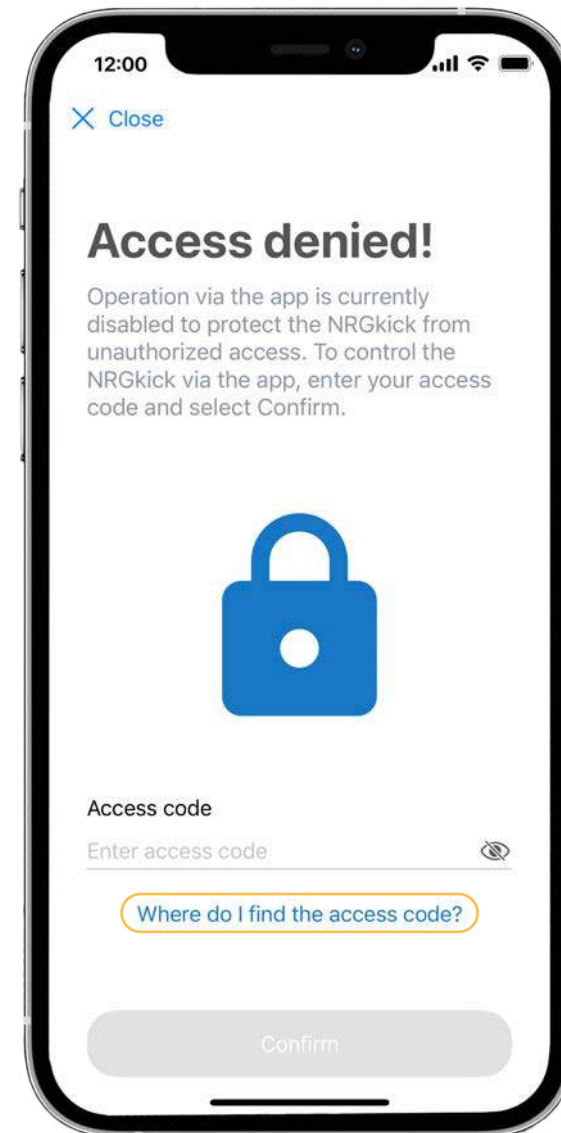
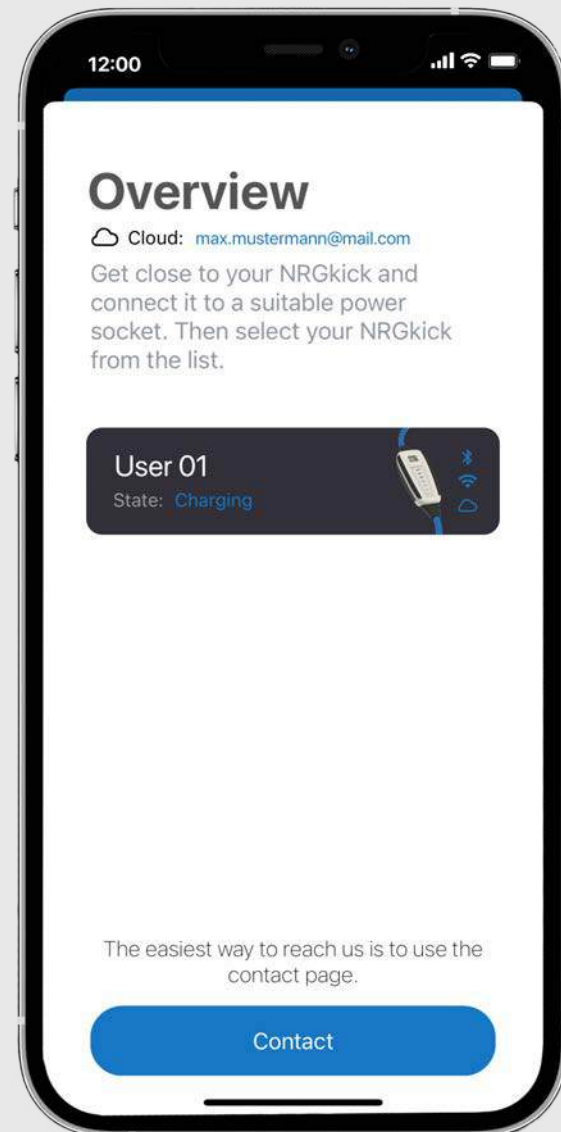


1.3. A new NRGkick, without pre-configuration, appears in the selection list under the Name „User01“.

2. Initial connection of the NRGkick app via Bluetooth and enter access code



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

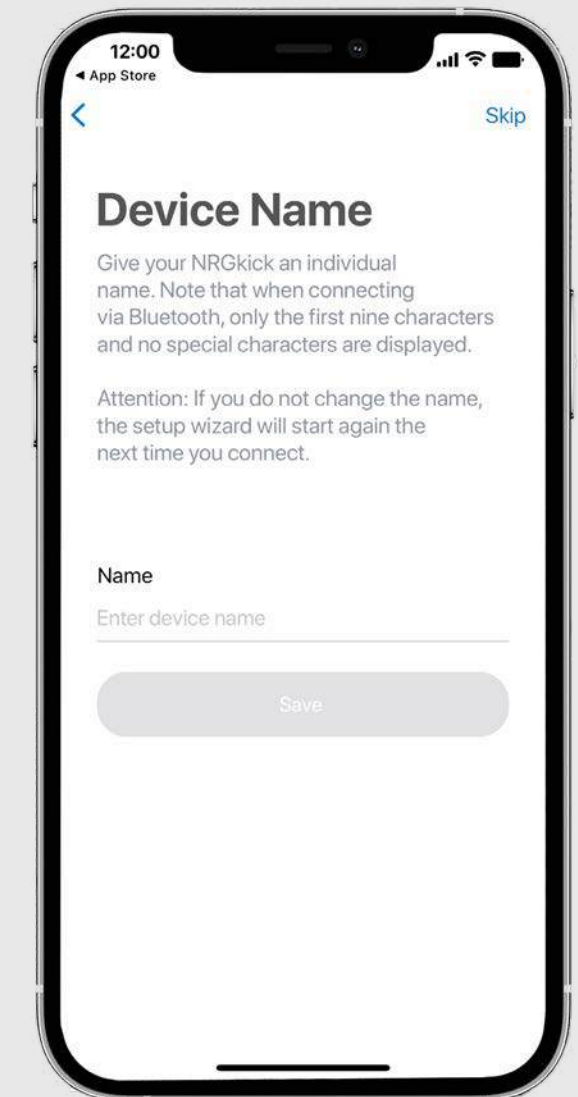


2.2. Enter the access code: The access code consists of the 7 digits before the letter „S“ in the serial number. You will find the serial number on the back of the NRGkick. You can later change the access code (see step 5).

After entering the code, access is activated.



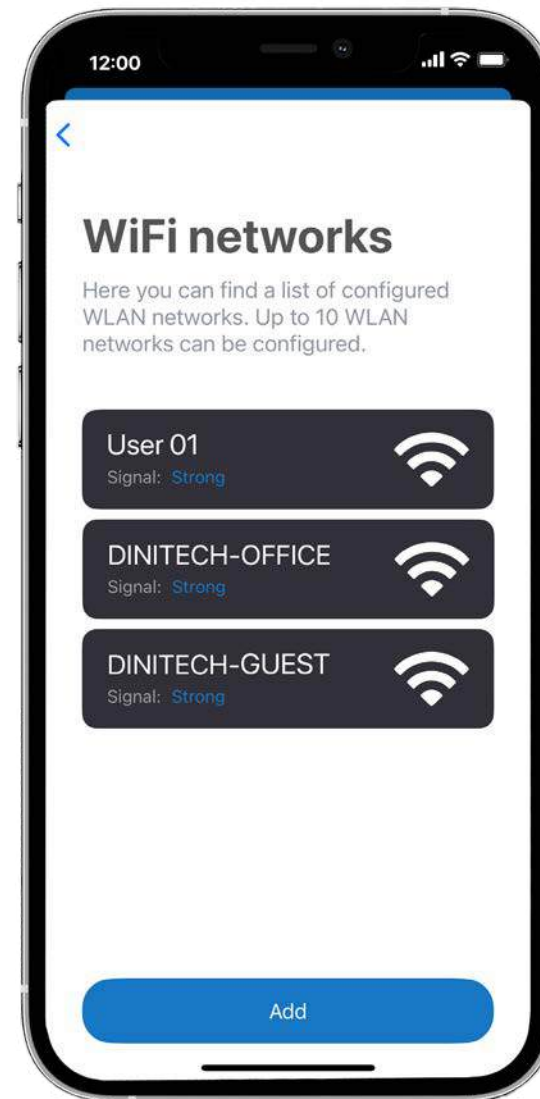
2.3. Optionally, you can change the name of the NRGkick now or do this step later.



3. Setup and managing the WiFi connection

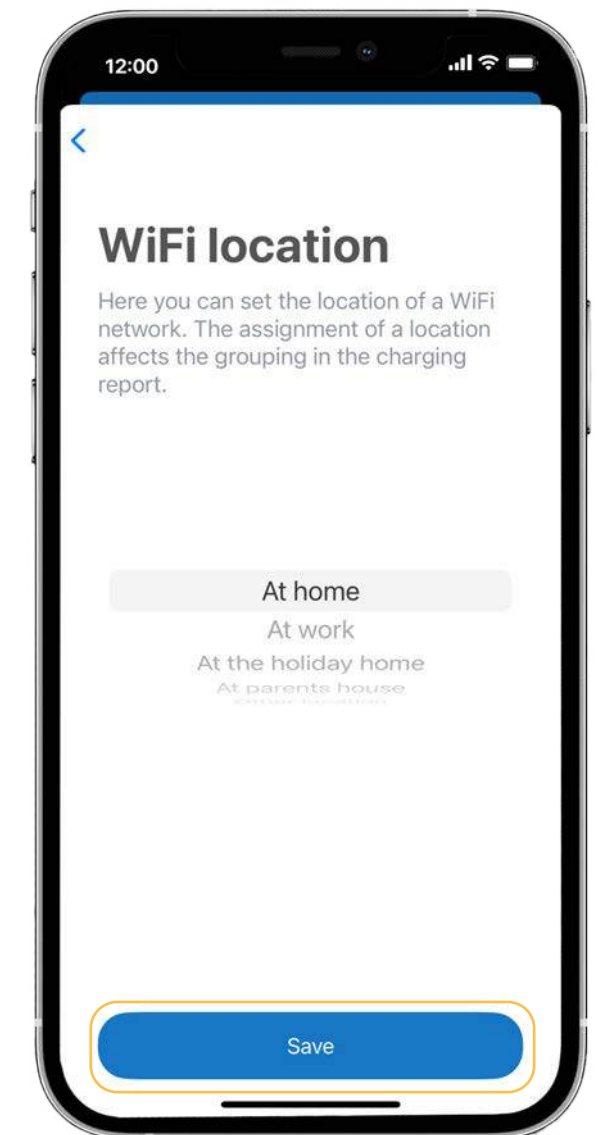
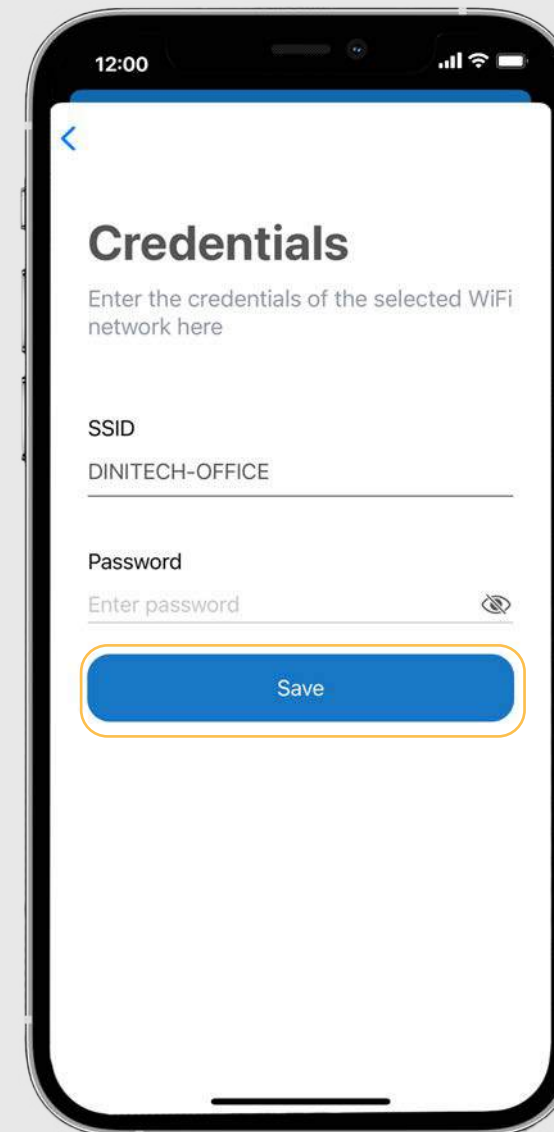


3.1. By „Add“, available WiFi networks are searched and displayed.



3.2. Select the desired WiFi network.
Note: the hotspot of your own smartphone can also be used here.

3.3. Enter the WiFi password and click on „Save“. A connection is established.

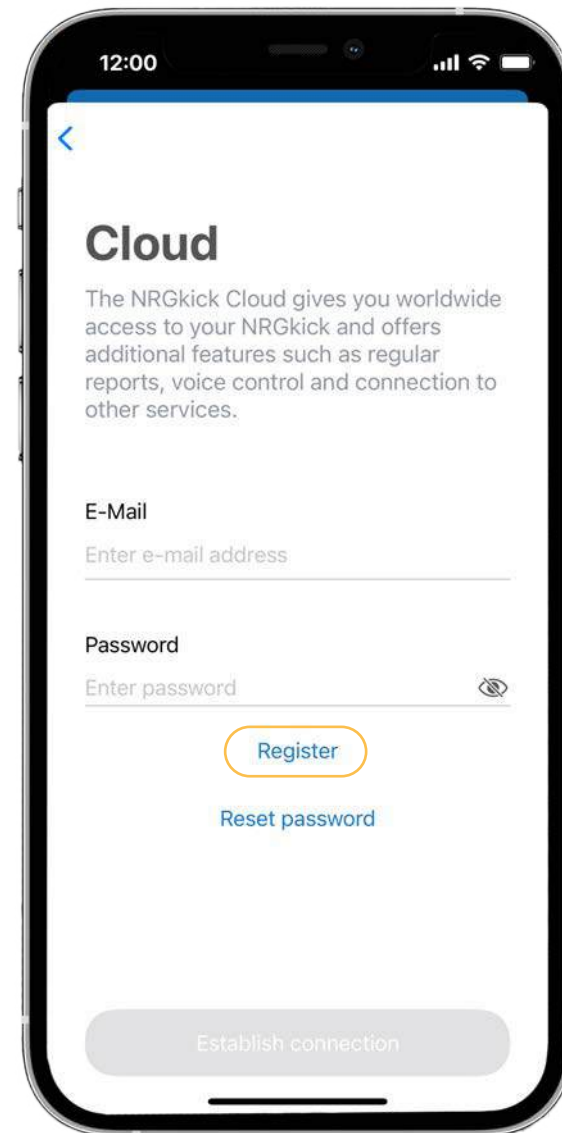
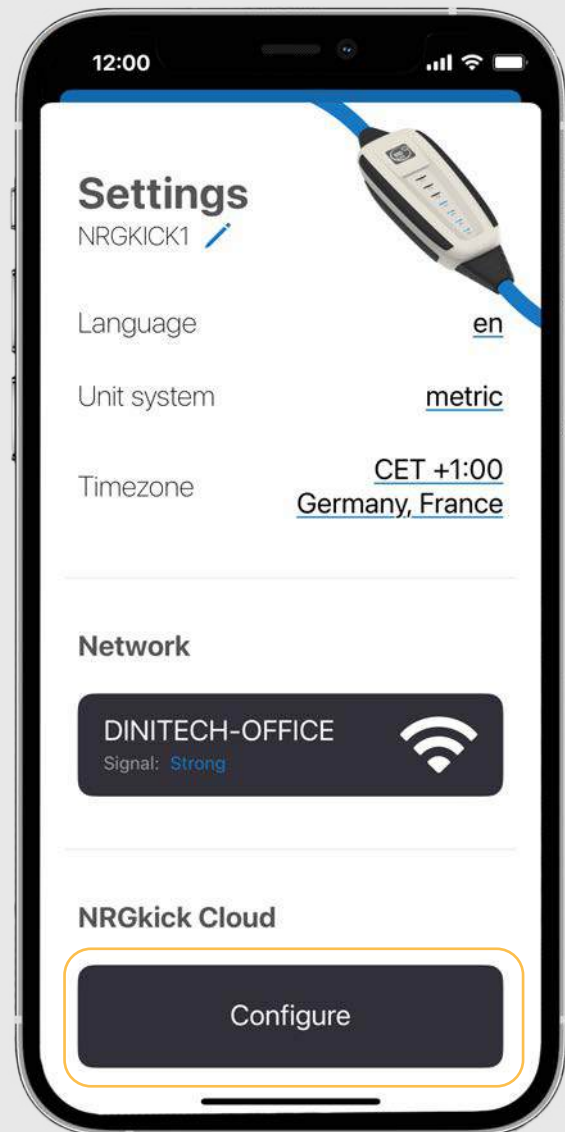


3.4. You can then assign a location to your WiFi. The location can later be included in the charging reports.

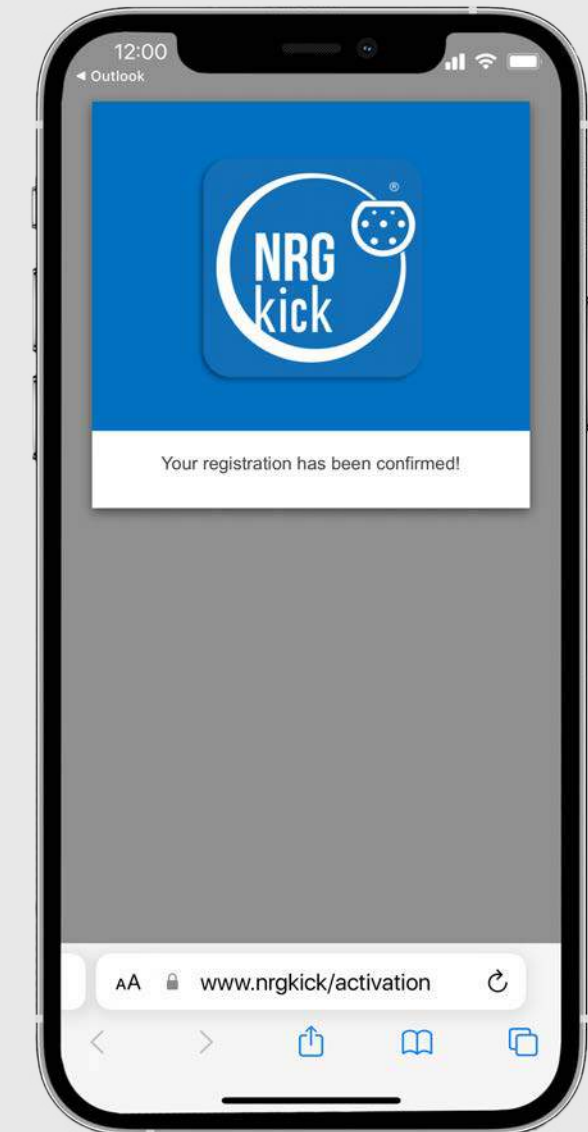
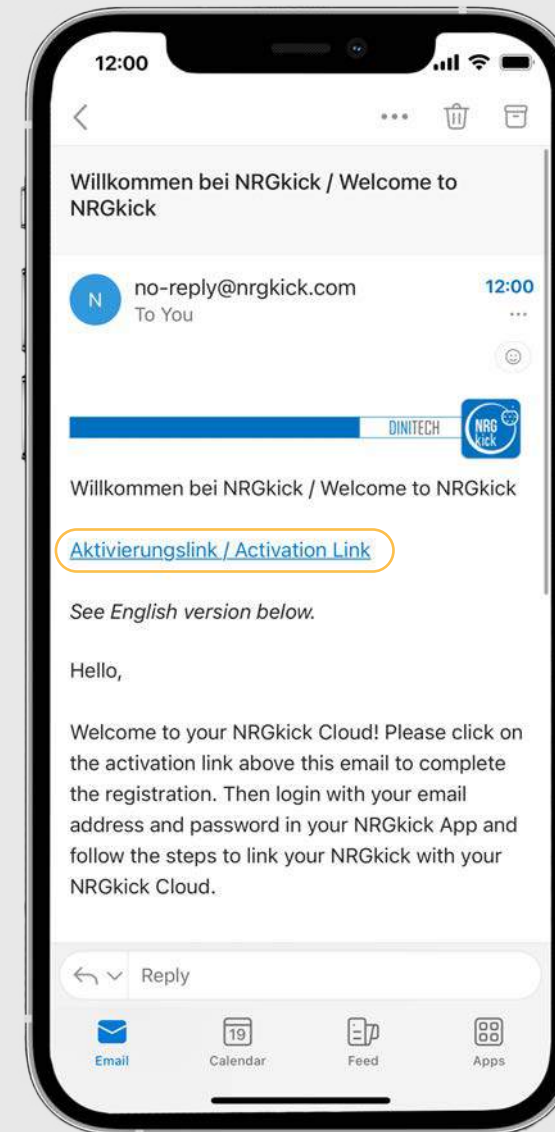
4. Setup of the cloud account with the setup wizzard



4.1. In the Setup Wizard, tap „Configure“.



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



4.3. After entering and tapping on „Create account“ you will receive an email. Open it and click on the activation link there. Your registration is now confirmed.

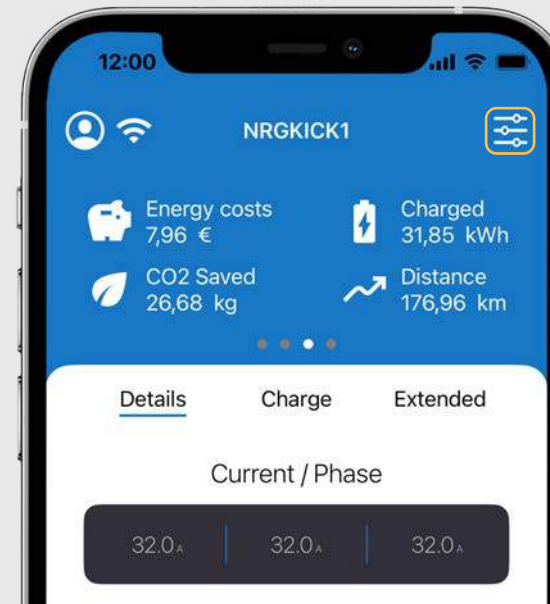
4. Setup of the cloud account with the setup wizzard

4.4. Switch back to the app and tap „Link with account“. Your NRGkick is successfully linked to your cloud account.



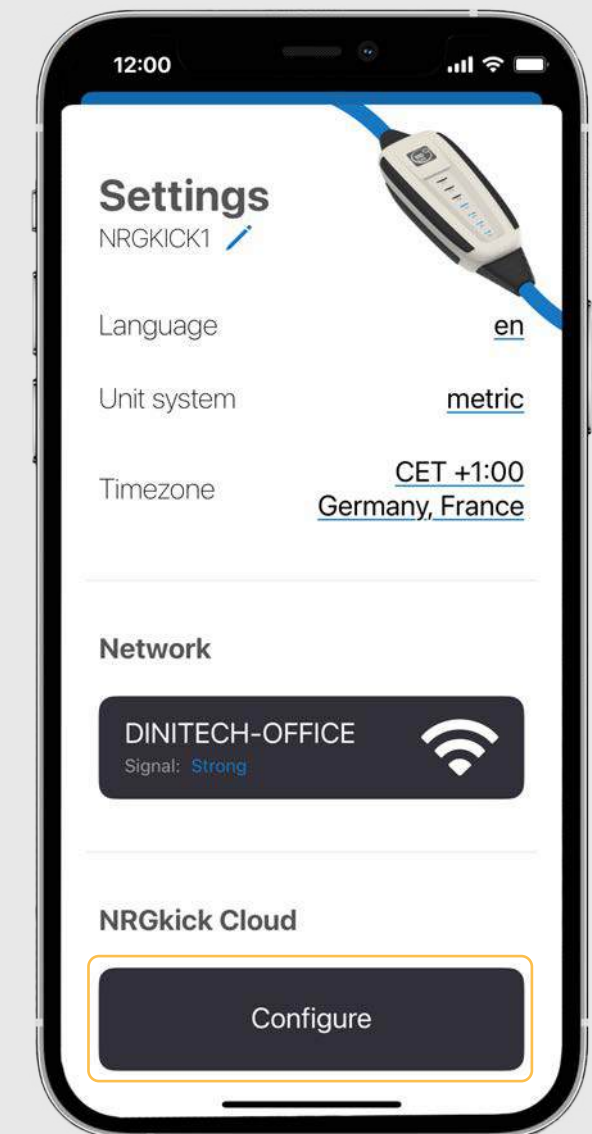
4.5. If no cloud account is set up during the initial setup, you can do this at any time. To do this, open the app and get close to the NRGkick (< 10m), as the connection is initially established via Bluetooth.

After you are connected to the NRGkick, proceed as below:



4.6. Tap the button in the upper right corner that will take you to the settings.

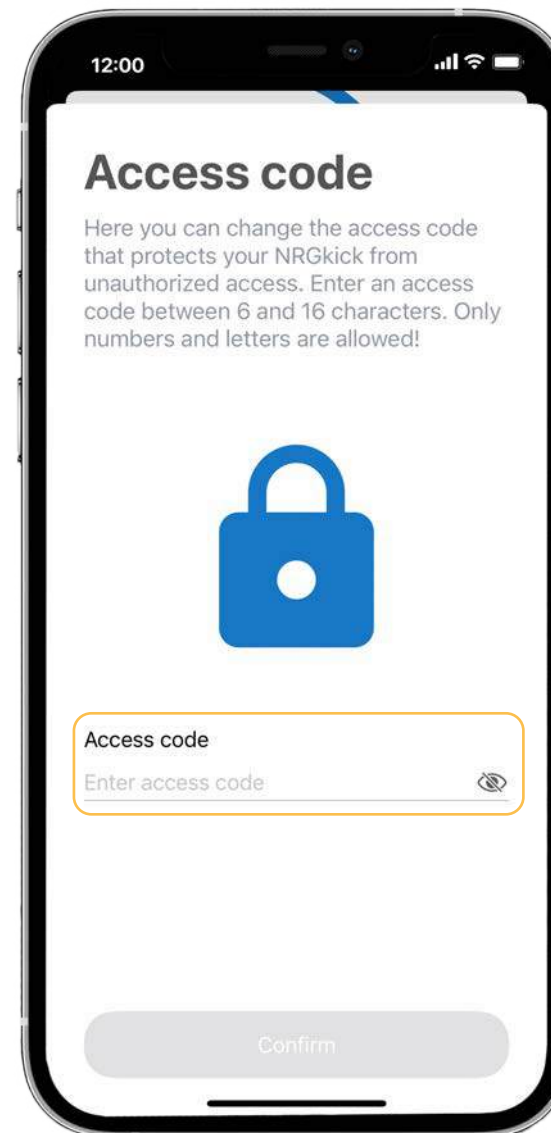
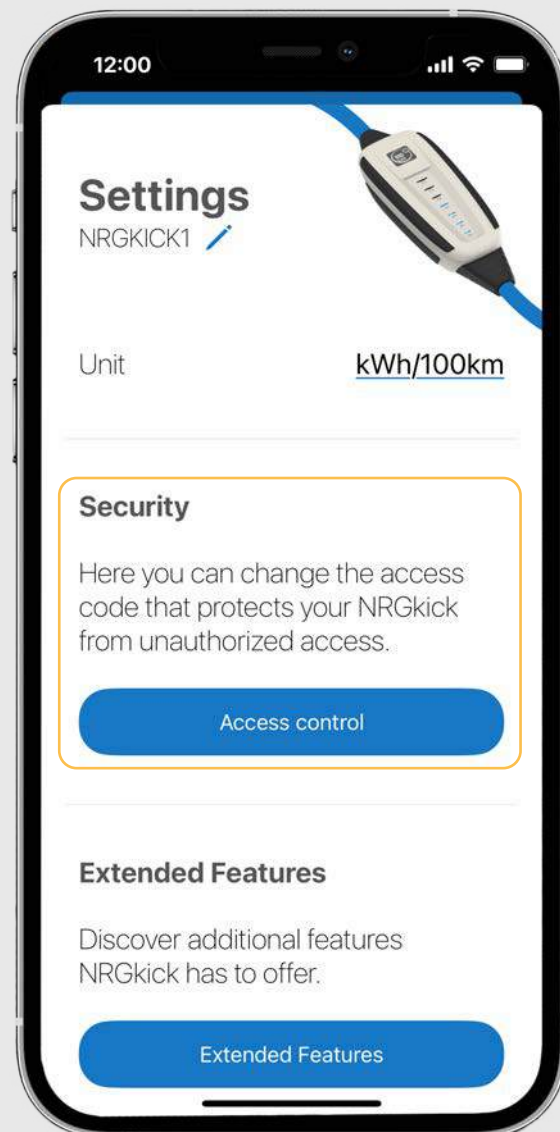
4.7. In the settings, tap the „Configure“ button under „NRGkick Cloud“ and then proceed as described on the previous pages.



5. Change or reset access code



5.1. Change the access code:
Go to Settings, scroll down to „Security“ and tap „Access control“.



A field to change the access code appears. Enter the new code and tap „Confirm“.
The access code has been successfully changed.

5.2. Reset to default password:
If you forgot the password you can reset it by the following steps:

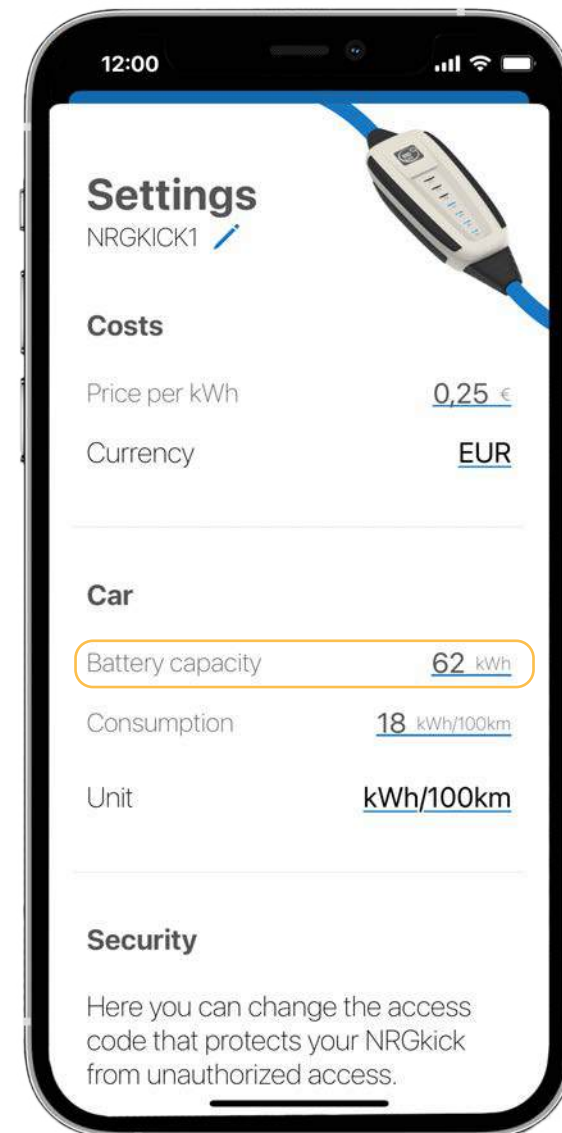
1. plug in NRGkick - 8A flashes 8 times
2. press 24A IMMEDIATELY and hold it for about 10sec.
3. as a sign of successful reset, all LEDs flash 3x slowly.

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

6. Set charge limits in the app

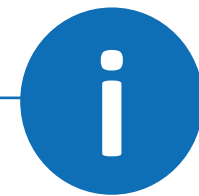
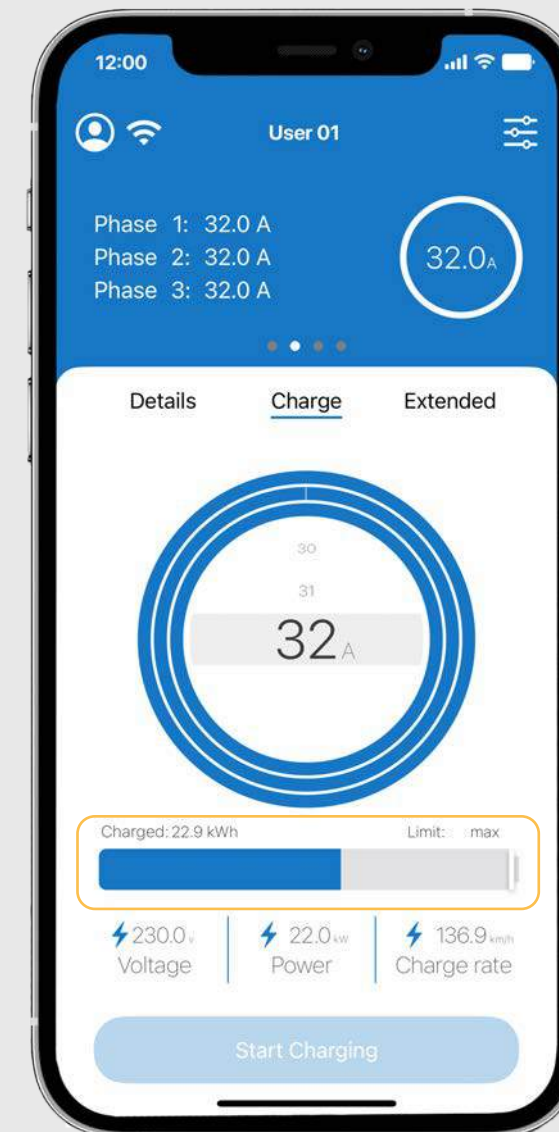


6.1. Even with vehicles that do not have an adjustable charge limit, NRGkick can prevent the battery from being permanently fully charged. To do this, open the settings at the top right.



6.2. Under „Battery capacity“ you can define the battery size. Slide the setting area down to save the change.

6.3. Under the „Charge“ section, you can now set the charging quantity regulator to the desired charging quantity.



When charging starts with 30% SOC (battery charge level), move the slider to the middle (50%); this ends the car charge at 80% and thus preserves the battery.

7. Configuration of automatic charging reports



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.

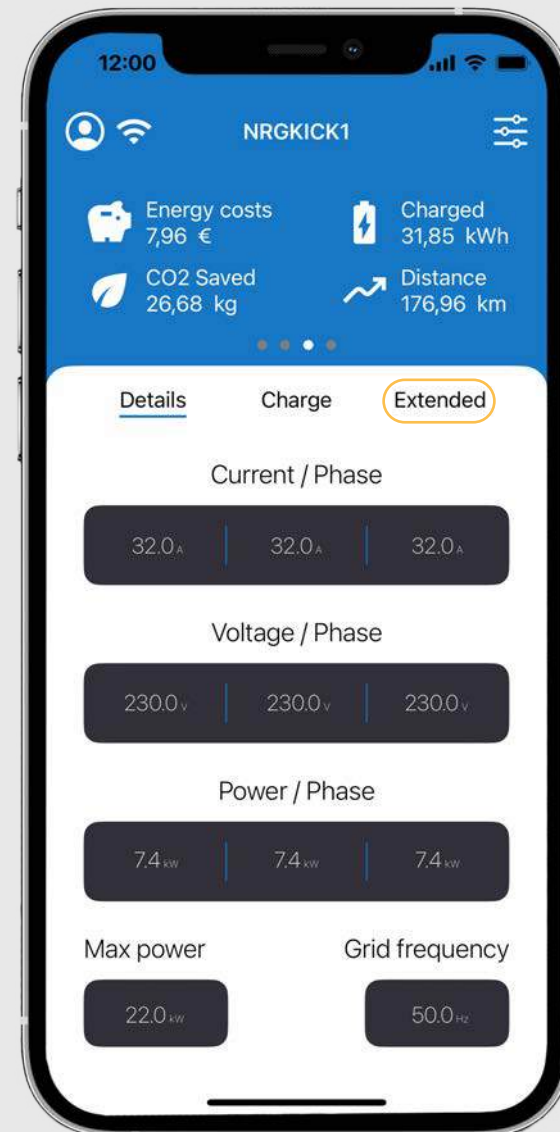
Charging reports can be sent e.g. weekly, monthly or for individually defined periods.

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

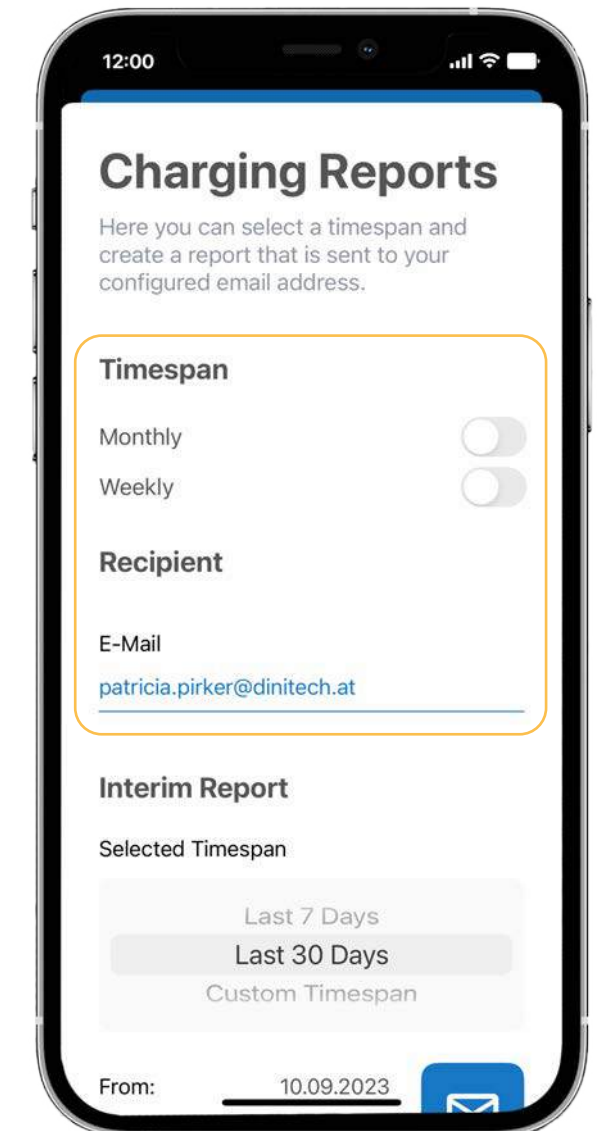
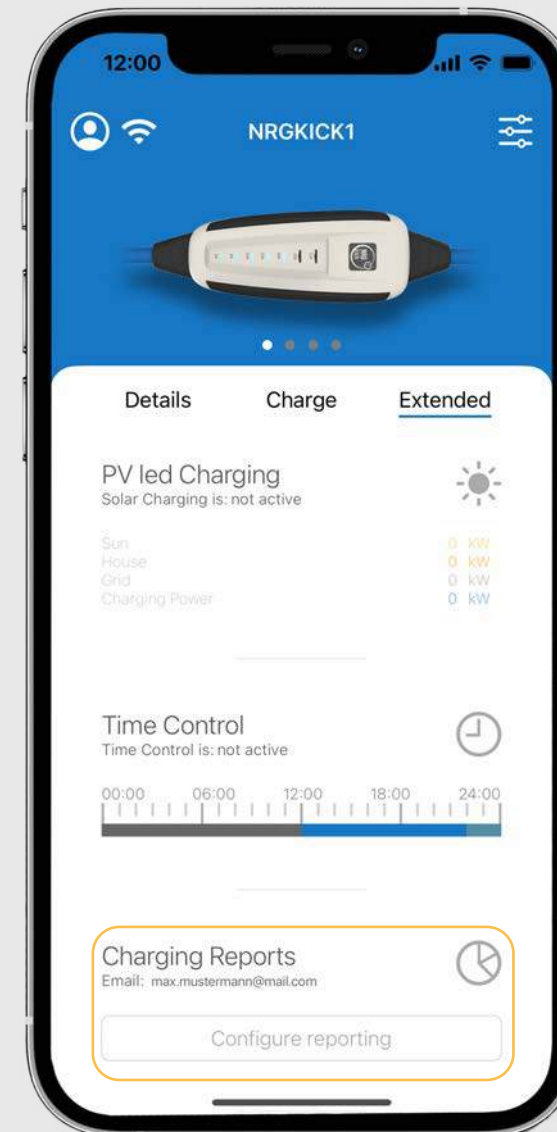
NRGkick requires a connection to the Internet in order to submit charging reports.



7.1. On the home page, go to the „Extended“ section.



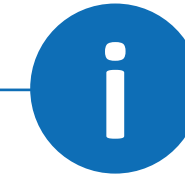
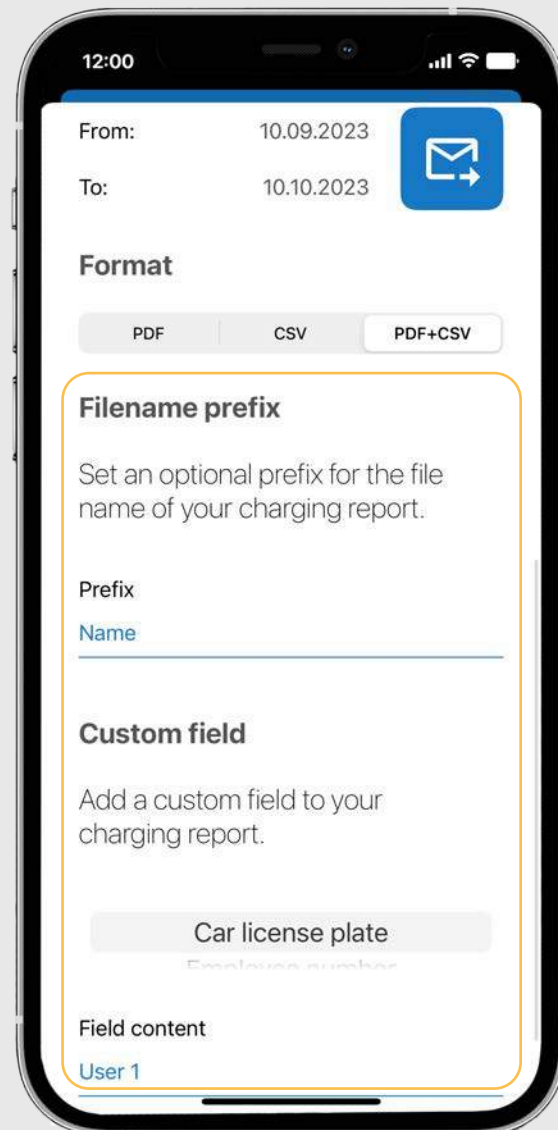
Tap the „Configure reporting“ button in the „Charging Reports“ section.



7.2. Enter the report timespan and the recipient mail address here.

7. Configuration of automatic charging reports

7.3. A file name prefix and a user-defined field, such as an indicator 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 have the possibility to configure the charging reports according to your needs!

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

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

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

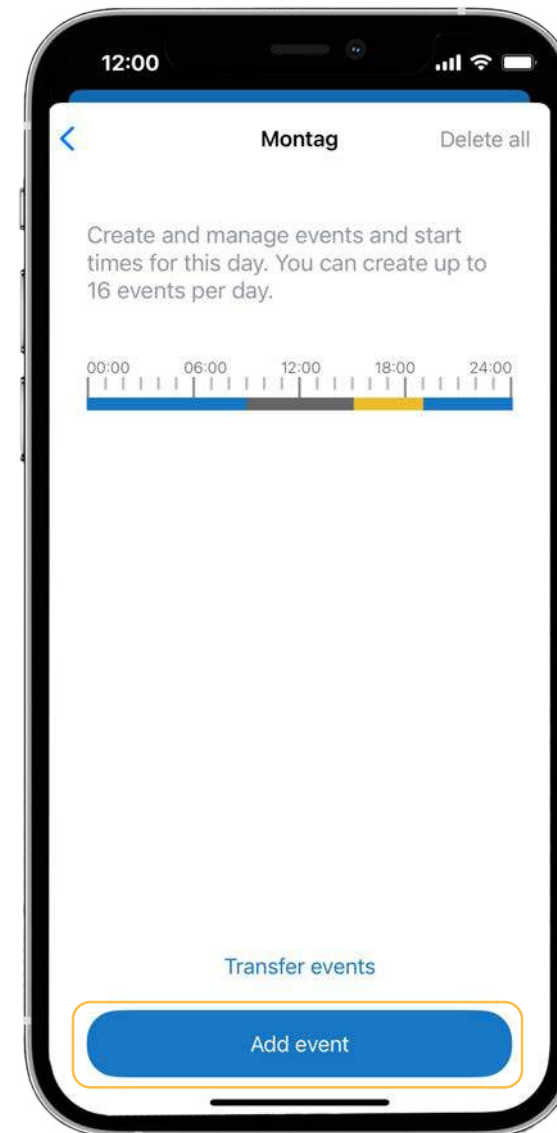
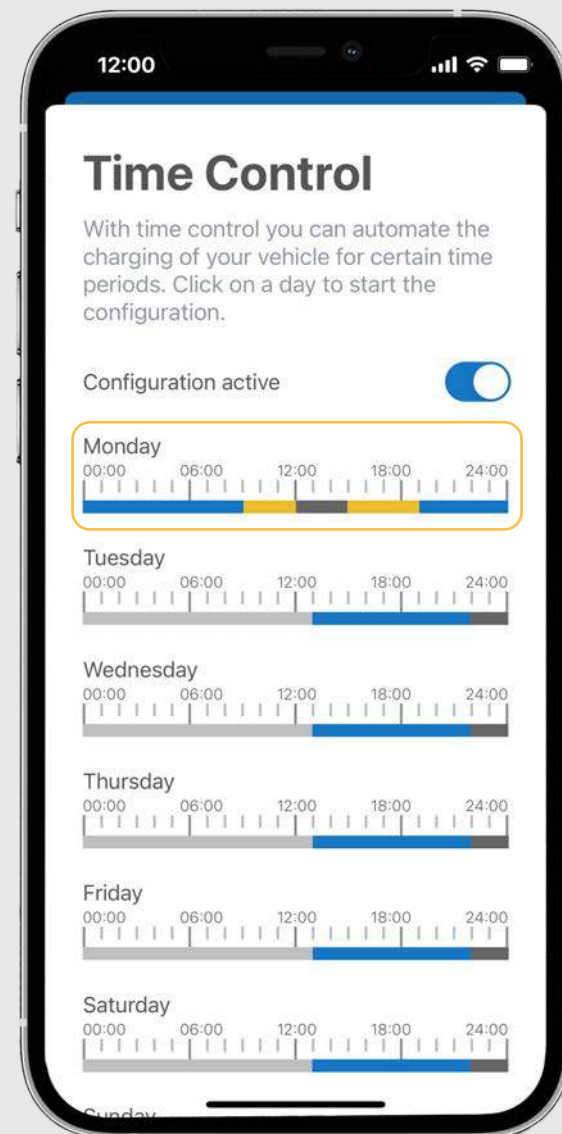
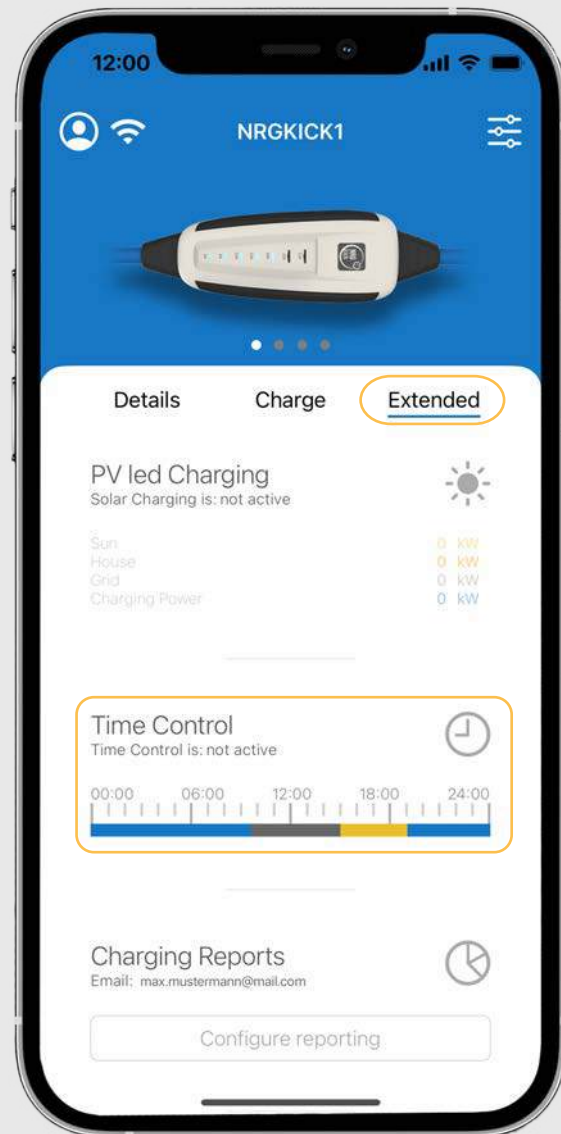
There are also customizable fields that can be added to the report (e.g. license plate, user, ...) and also the file name can be customized!

8. Time control configuration: manage loading events with the app



8.1. On the app's home page, go to the „Advanced“ section and tap „Time Control“.

Tap the desired day of the week in the list.

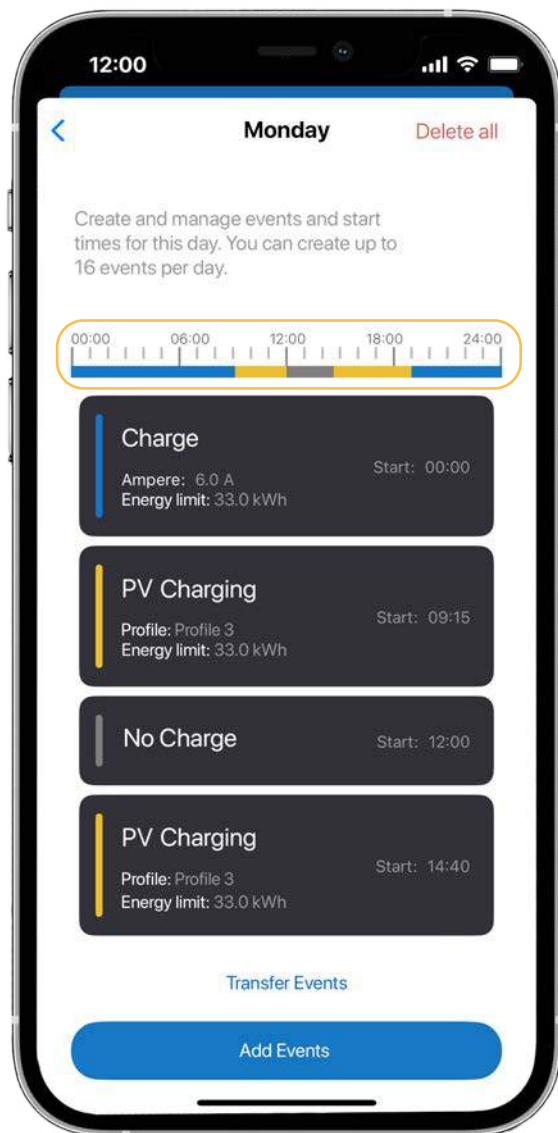


8.2. Tap on „Add event“ to add start and end times.

8.3. The charging current and/or the charging quantity can be set individually. Specify the desired settings and then tap „Save“.

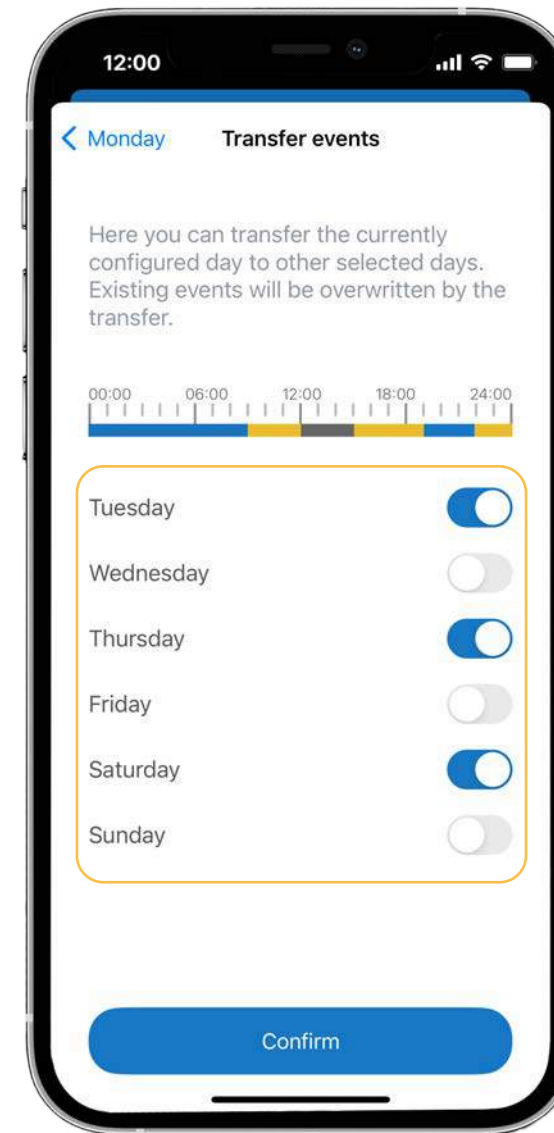
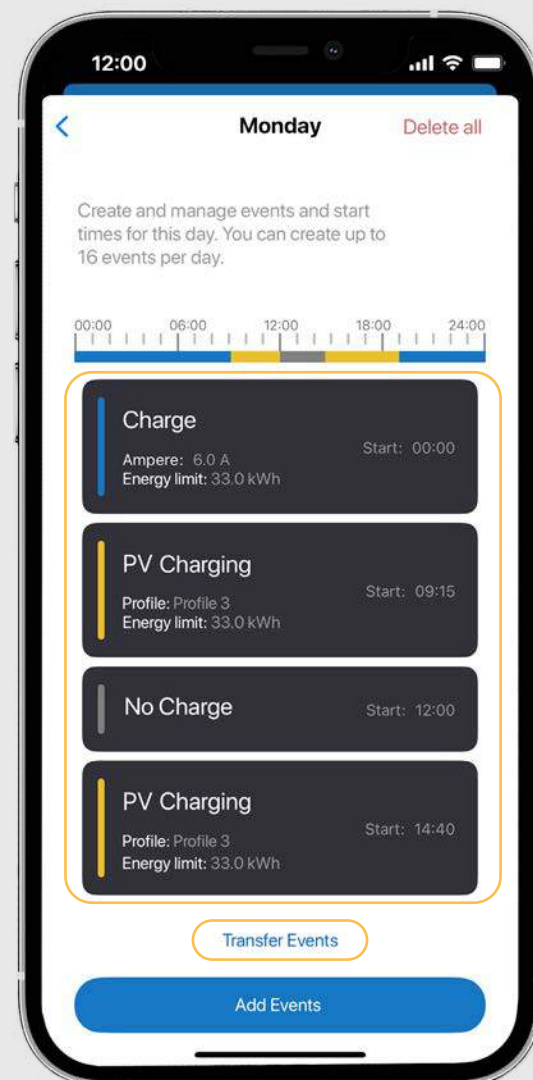


8. Time control configuration: manage loading events with the app



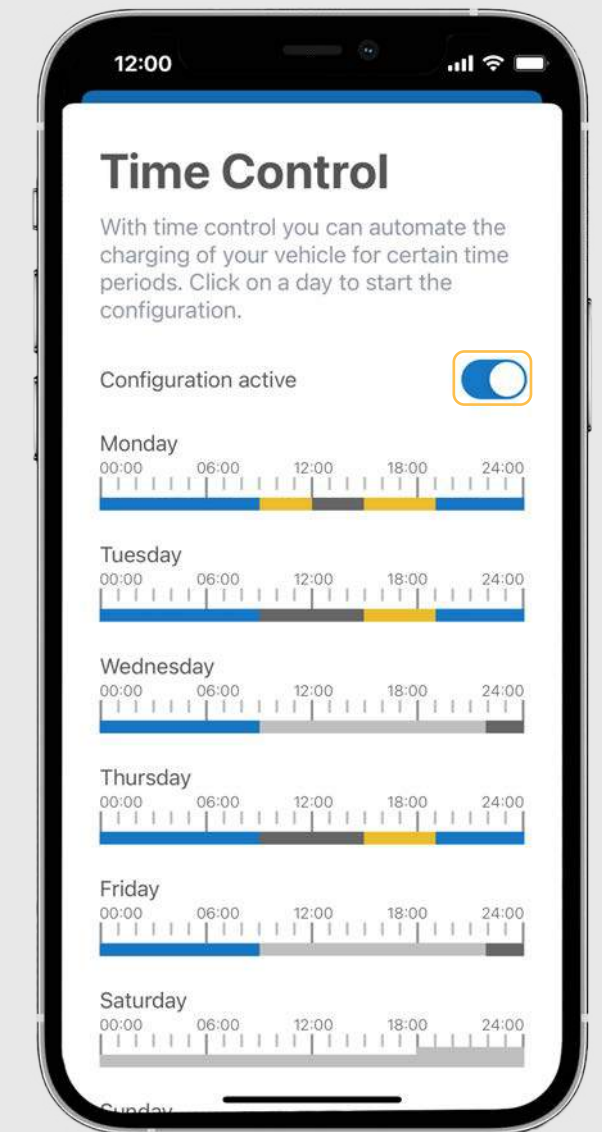
8.4. After saving, a blue bar indicates the time of charging. Charging does not take place during the period marked in yellow.

8.5. Several different charging windows can be defined for one day. With „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.



9. Setup/connection of store networks (OCPP)



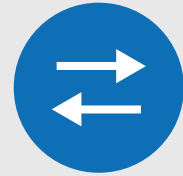
NRGkick offers OCPP as an optional upgrade. This allows communication via OCPP (Open Charge Point Protocol) using ChargePointOperators (CPOs), for example, to transmit charge data for billing purposes. Some providers are already preconfigured (and more are being added all the time) - but you can also enter the required data yourself.

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.

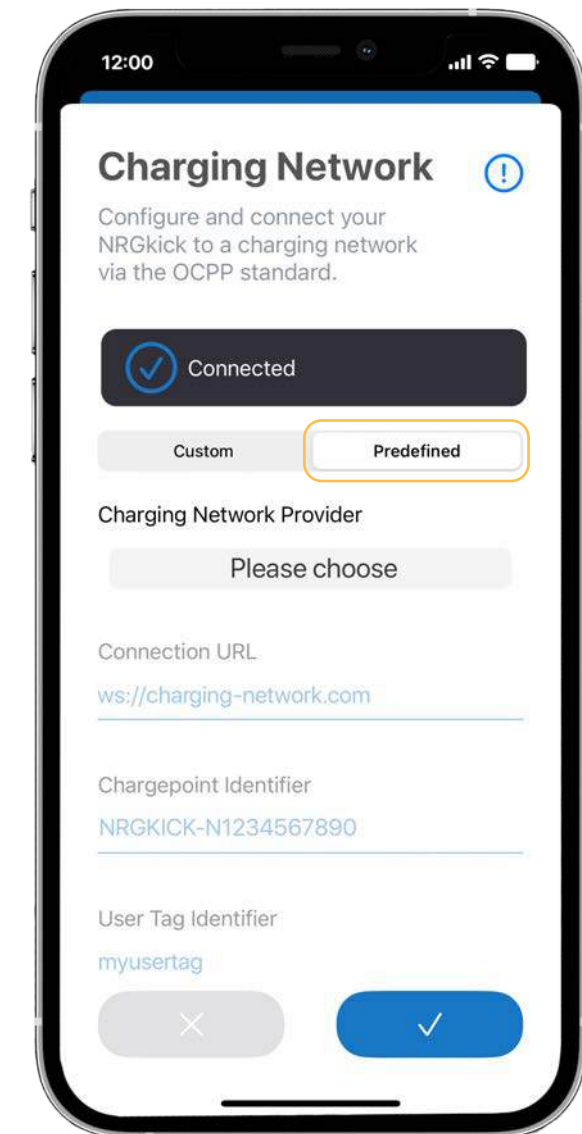
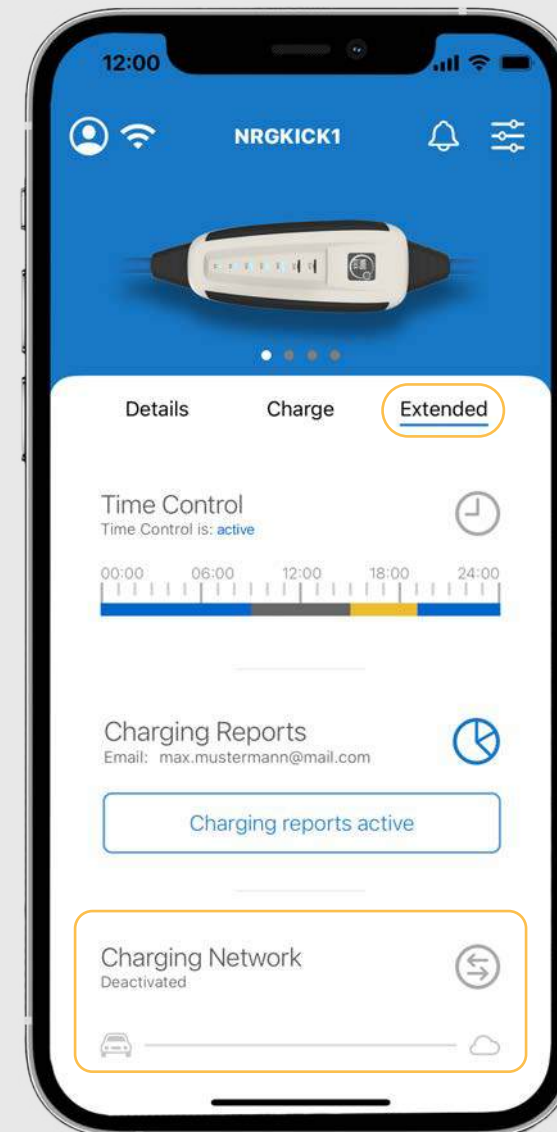
Note:
OCPP is used by corporate customers and is not required for private users.

There are three different OCPP variants to choose from:

1. manual input by the user himself
2. a predefined user is selected
3. configuration by Dinitech

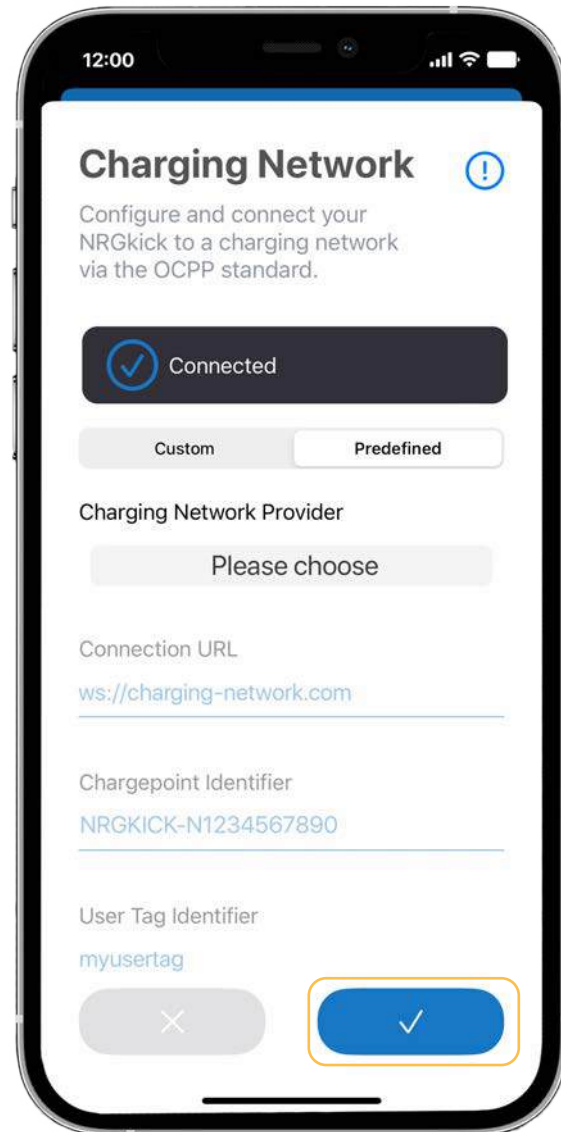


9.1. Go to the „Extended“ section and scroll down. Tap on „Charging Network“.



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

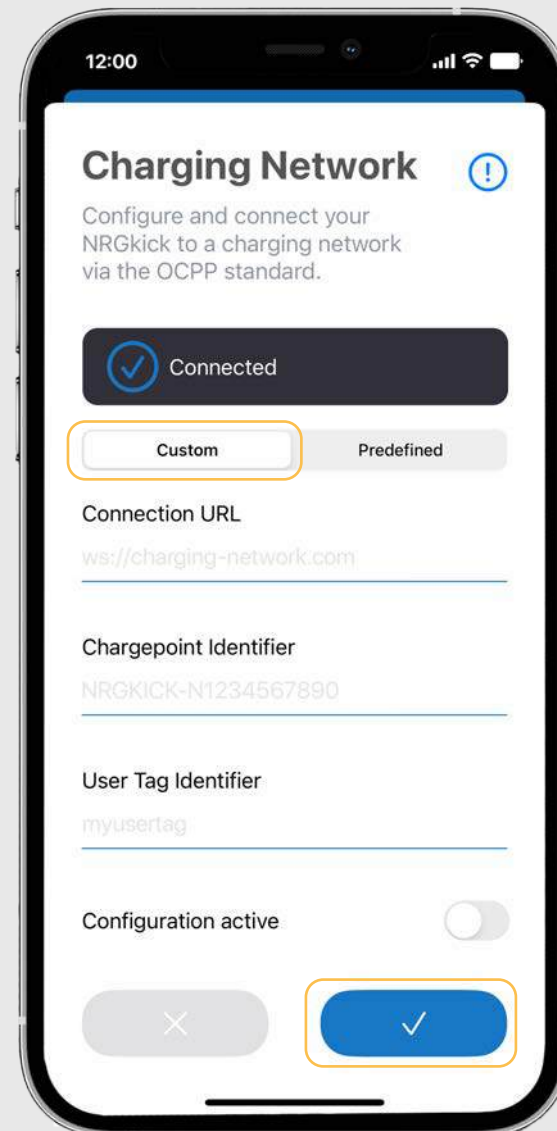
9. Setup/connection of store networks (OCPP)



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.

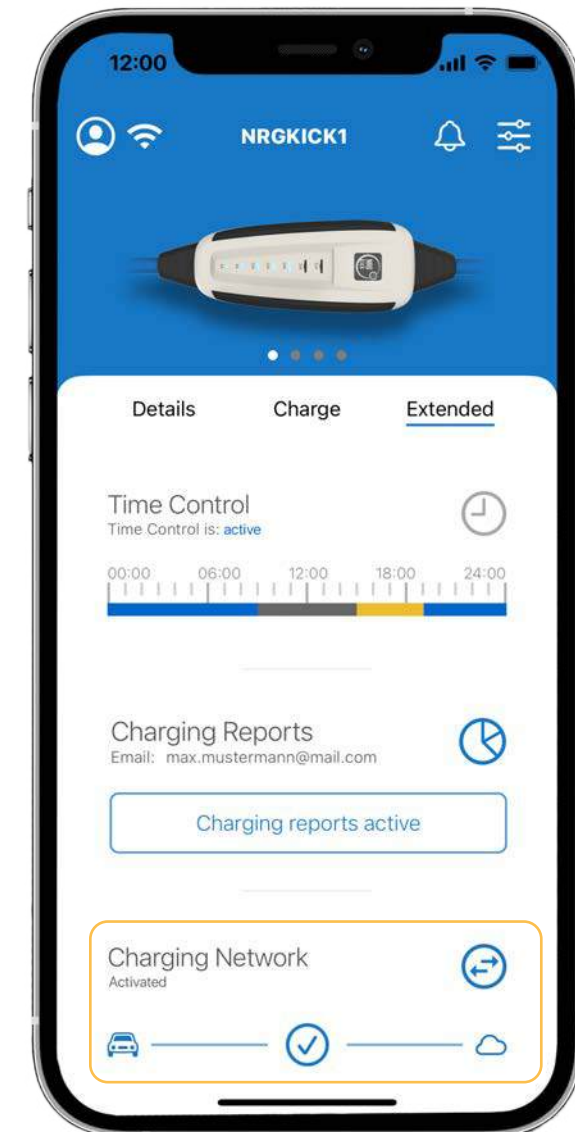
When all information is completed, you can confirm the entry with the blue tick.

9.3. If your store network provider is not preconfigured, all data can also be entered manually under „Custom“ and confirmed with the blue check mark.



9.4. After a few seconds, the connection to the charging network is established.

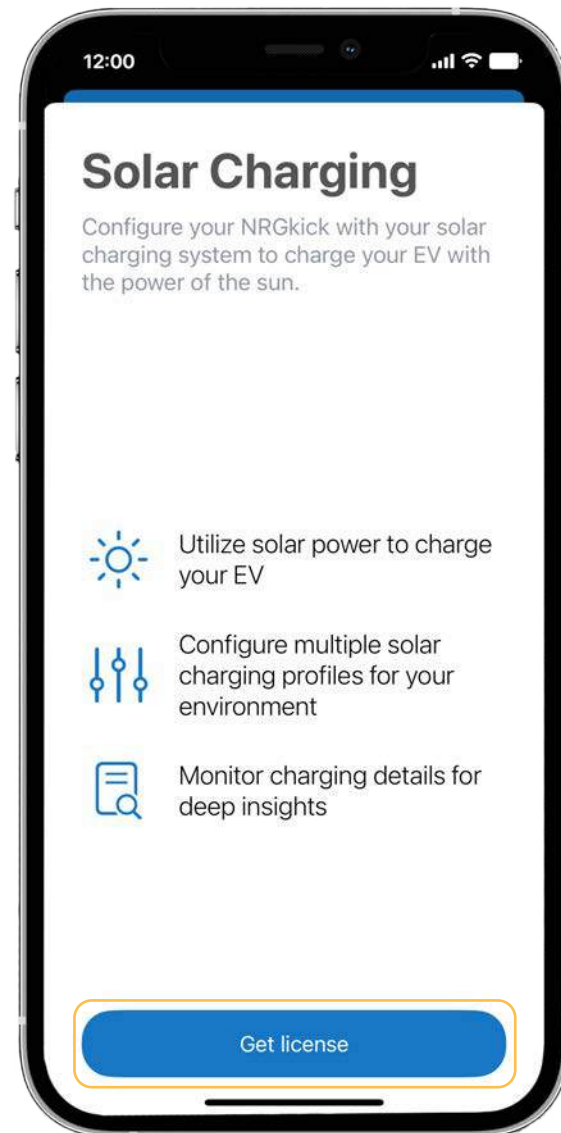
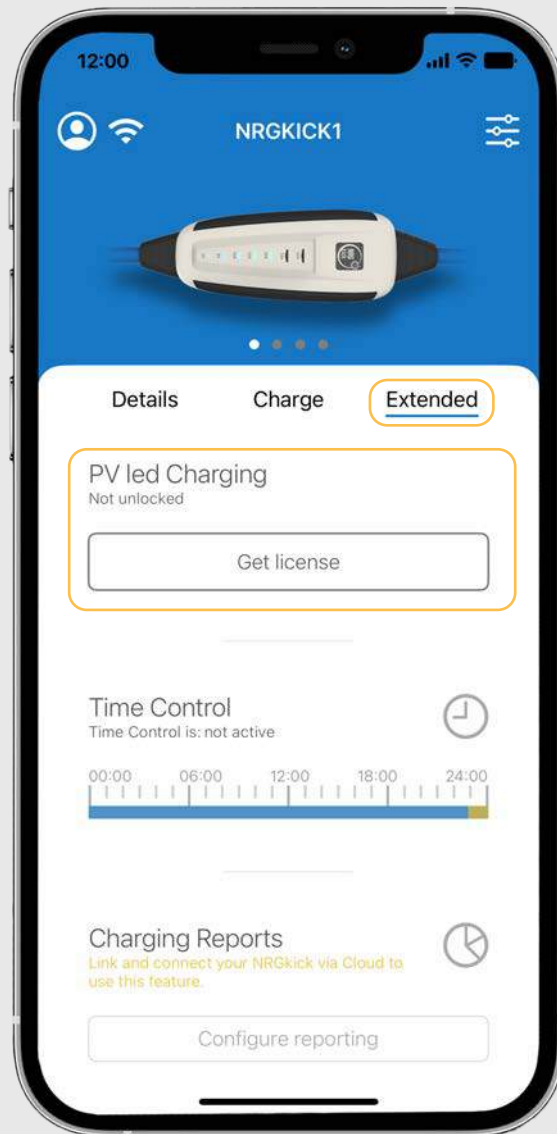
This now enables the automatic recording of all charging processes for fleet managers.



10. Purchase/Setup of PV-led Charging

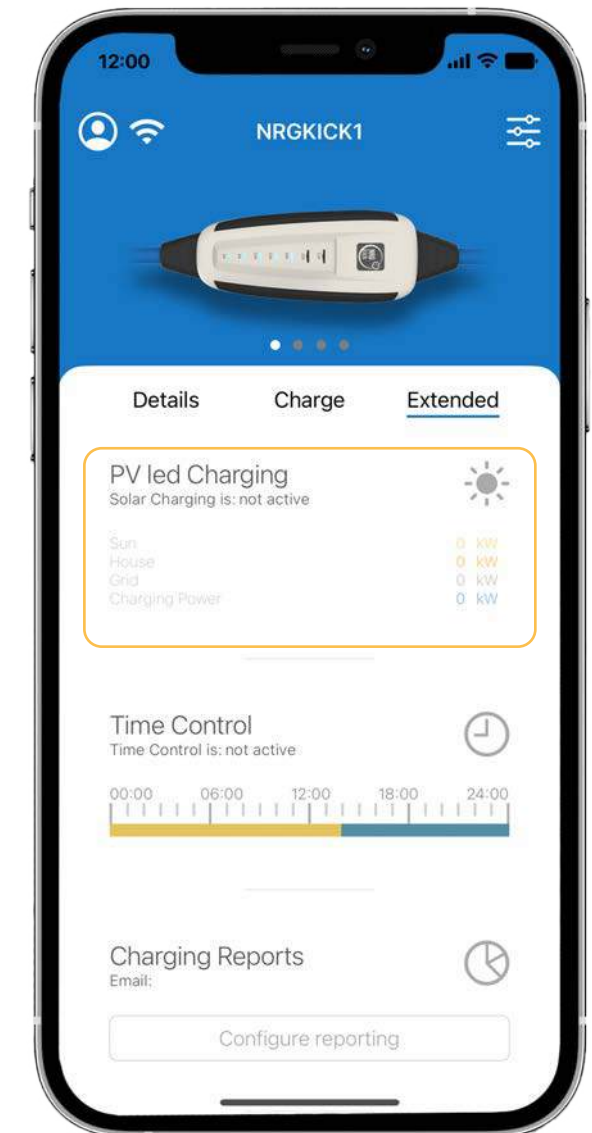
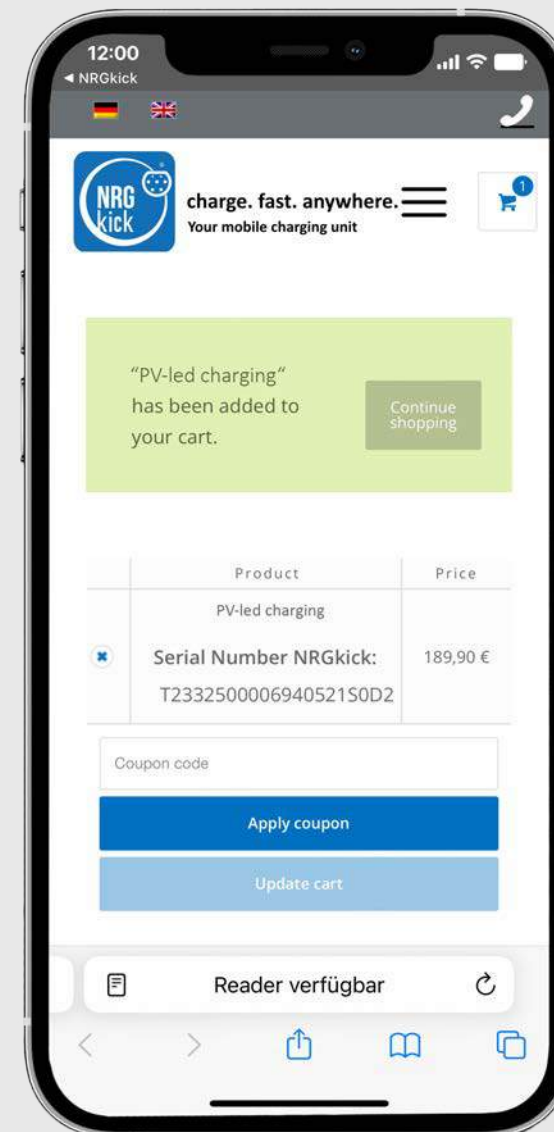


10.1. In the „Extended“ section you can buy the „PV-led Charging“ license.



10.2. Tap on „Get license“. After that you will be redirected to our website.

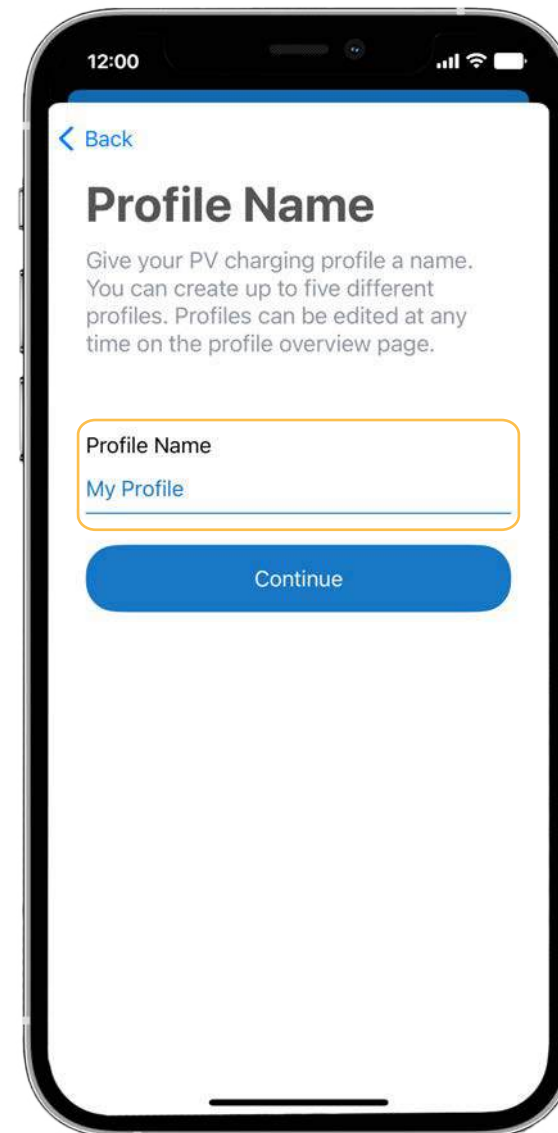
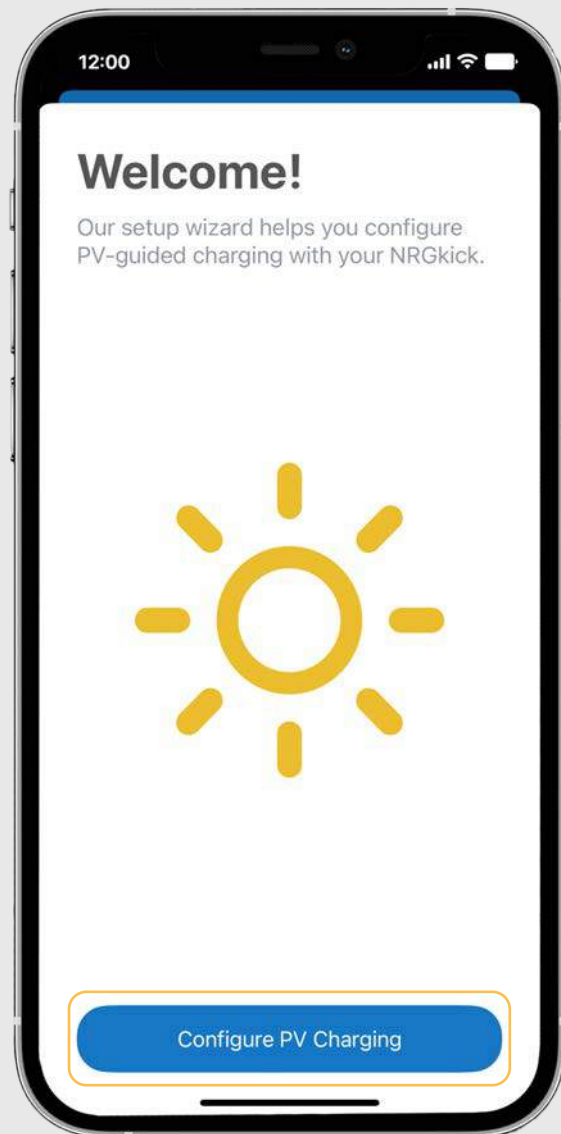
10.3. The product PV-led Charging will be added directly to your shopping cart and all you have to do is complete the purchase.



10.4. Now you will see the newly enabled „PV-led Charging“ function in the app. By tapping on „PV-led Charging“, you can start the setup.

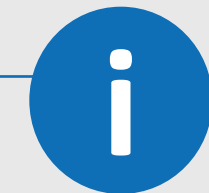
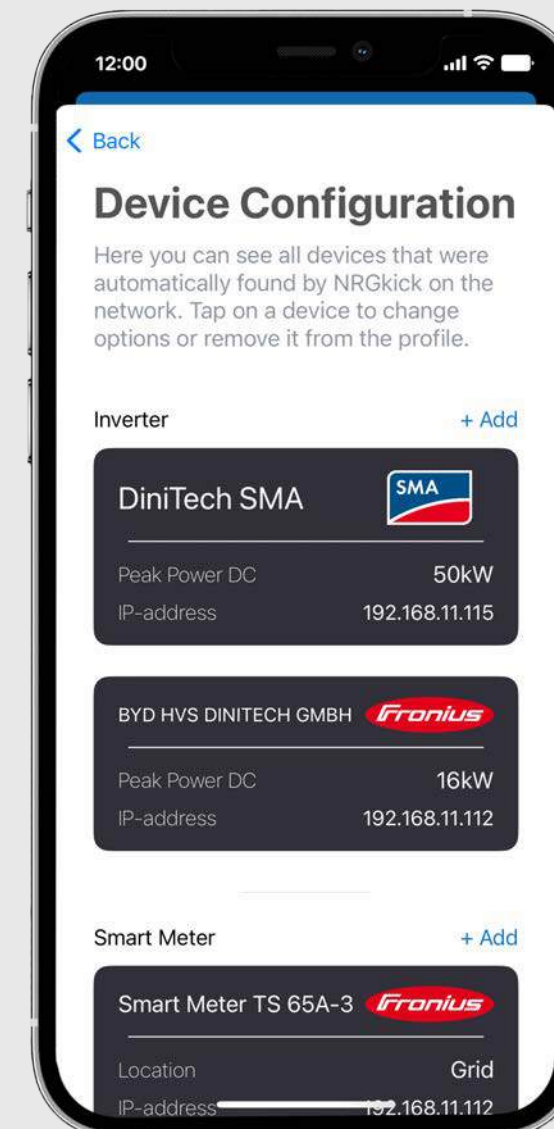
10. Purchase/Setup of PV-led Charging

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



10.6. First you have to name your profile. Then tap on „Continue“.

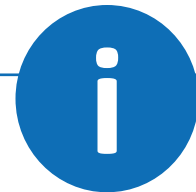
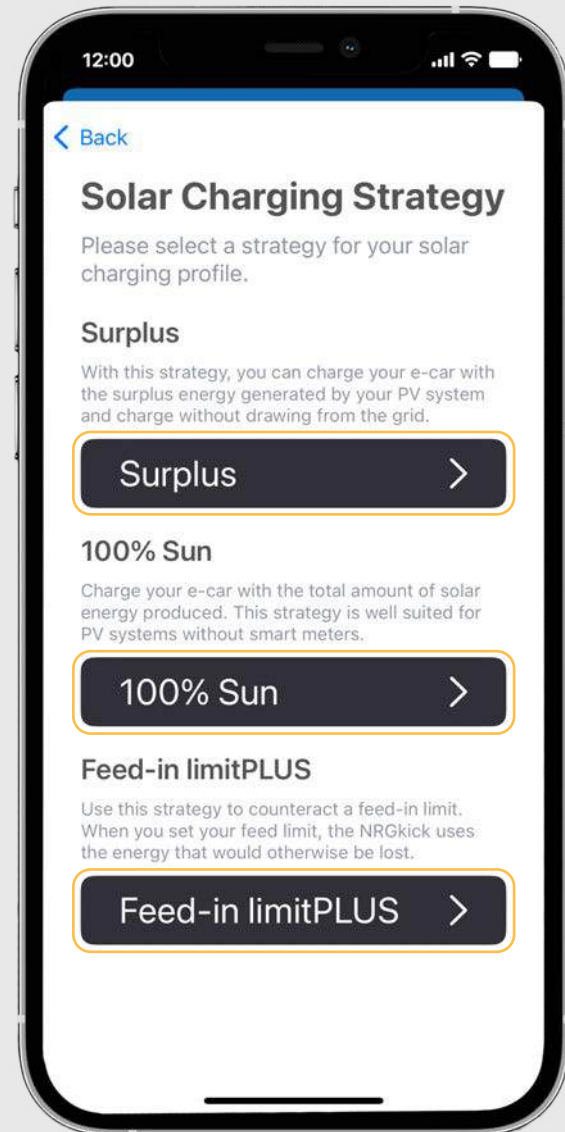
10.7. Now all found devices in the network are automatically added to the profile. This only works for the brands Fronius and SMA, other devices can be added manually. How to add devices manually is described in detail in the document „PV manual extended“.



For more information on how to use **Custom API** to integrate your devices, please refer to the Custom API document.

10. Purchase/Setup of PV-led Charging

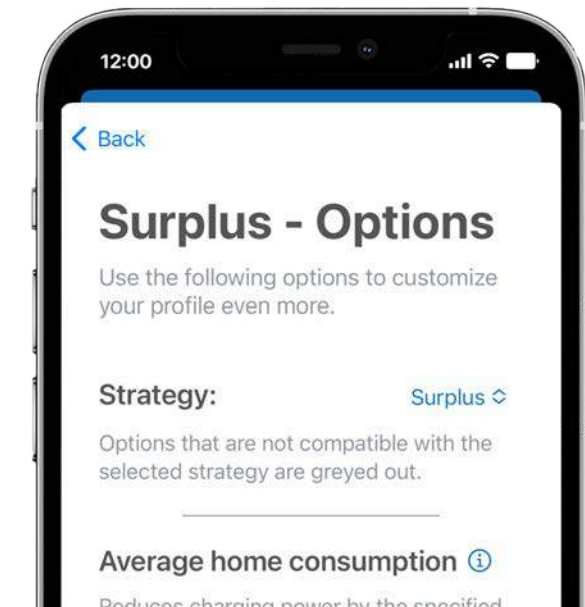
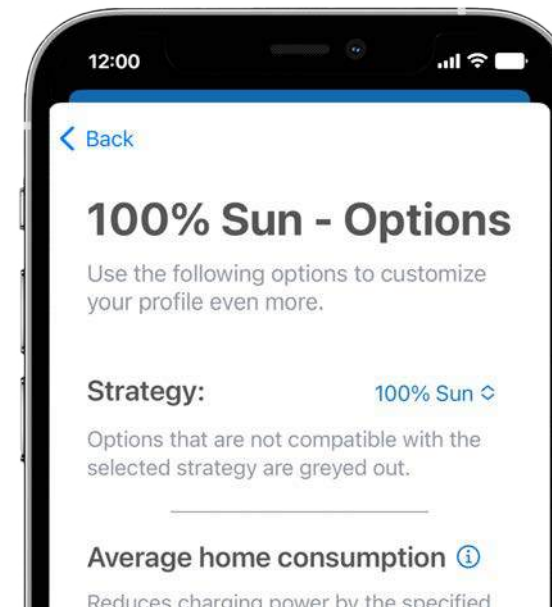
10.8. Now tap on the desired PV charging strategy.



If you use a smart meter, we recommend that you use the Surplus setting.

If you don't have a smart meter, we recommend the 100% sun setting.

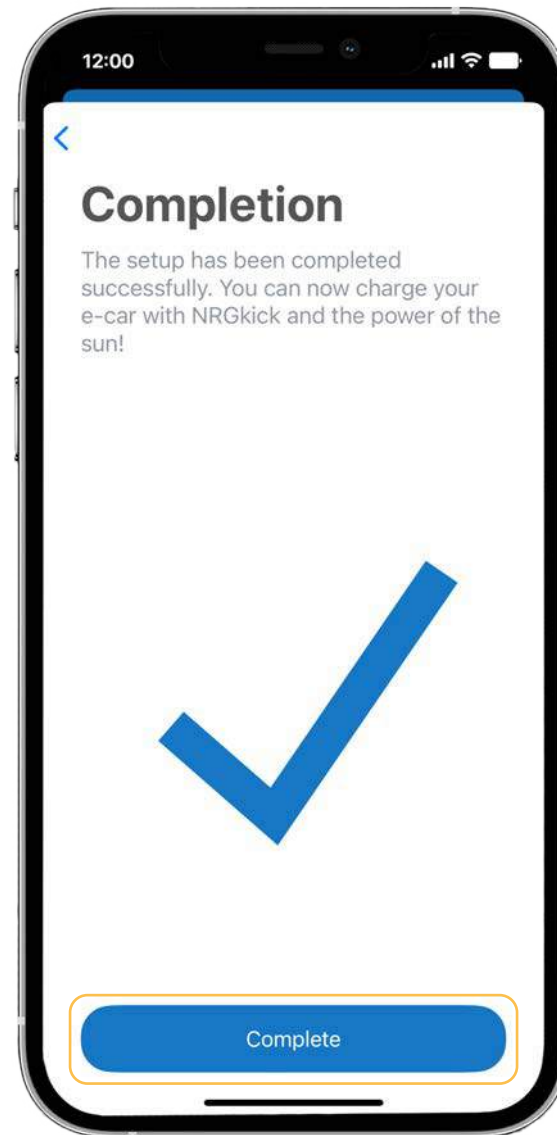
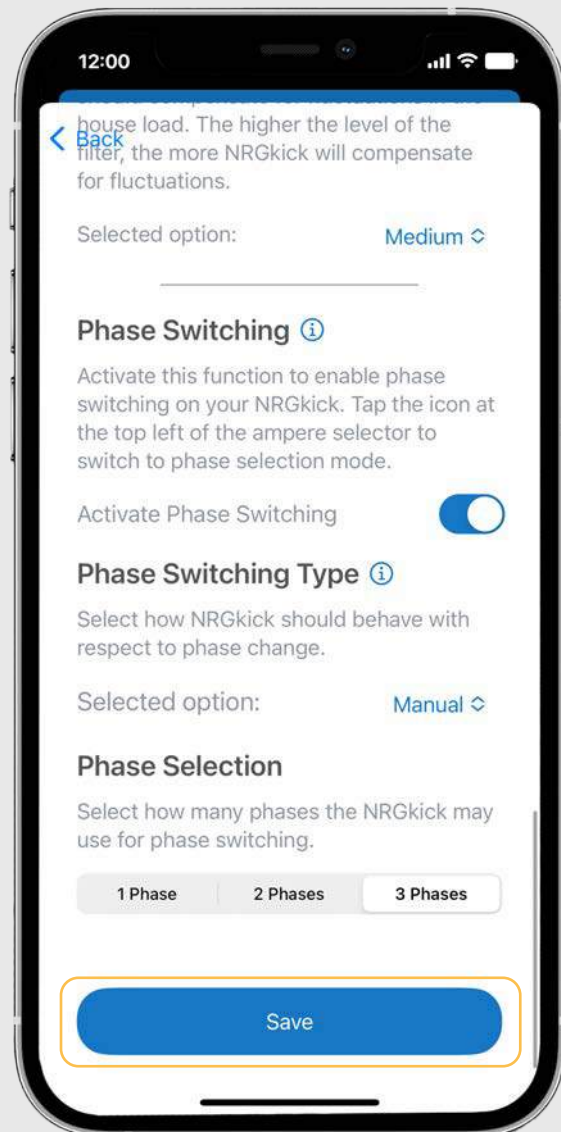
If you want to charge your car and feed into the grid at the same time, we recommend the feed-in limitPLUS setting.



10.9. In the respective strategy there is a variety of other settings that you can adjust. These settings are described in detail in the document „PV-led charging advanced“.

10. Purchase/Setup of PV-led Charging

10.10. If you have made all the settings you want, tap „Save“.



10.11. Tap on „Complete“ to finish the PV configuration.

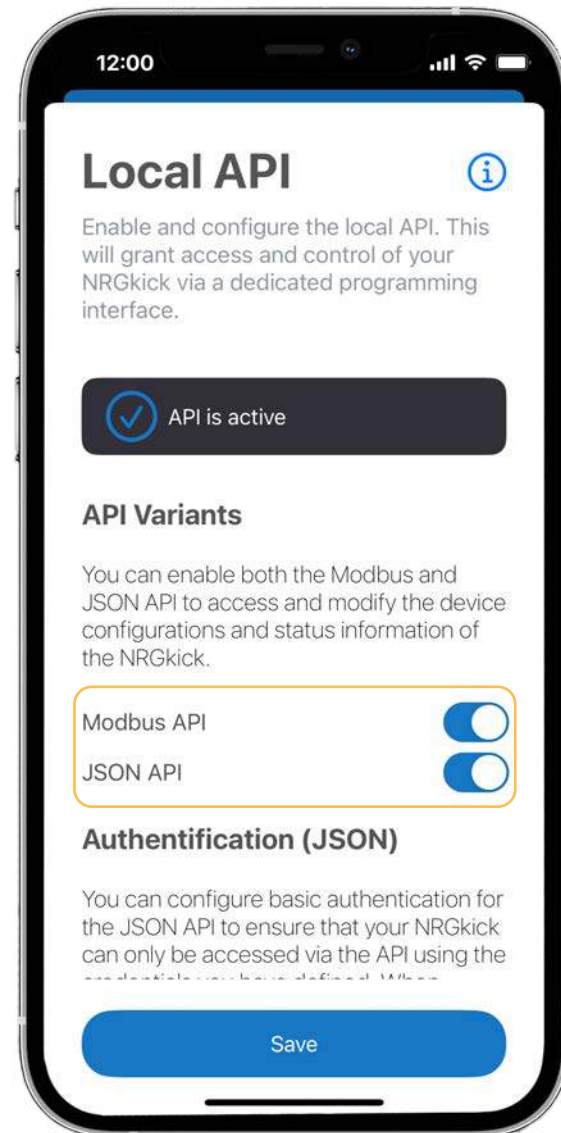
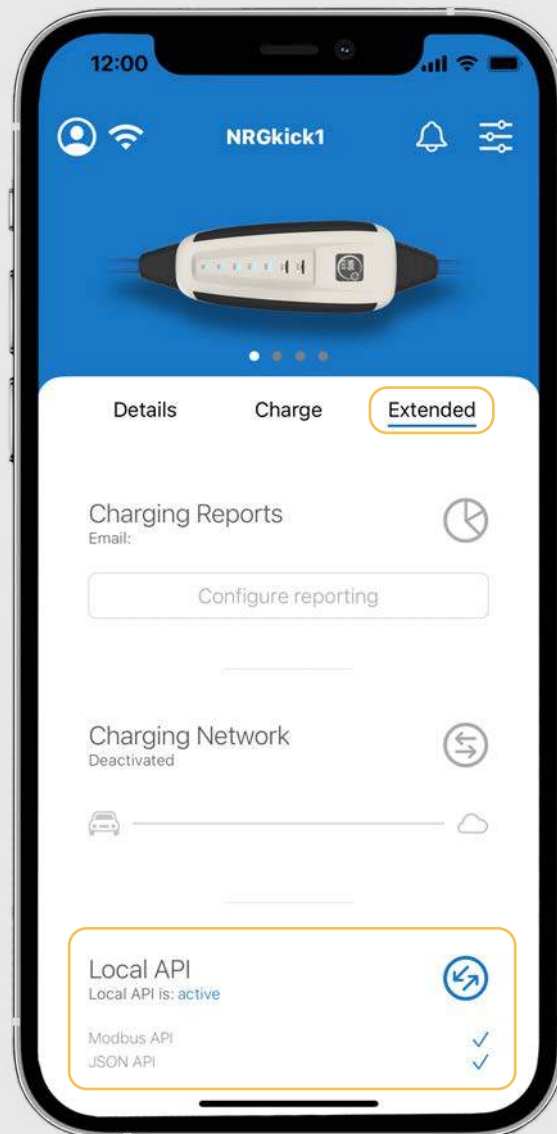
10.12. Once you have successfully set up your profile, you will be redirected to the overview page and just need to activate the PV guided charging feature.



11. Local API

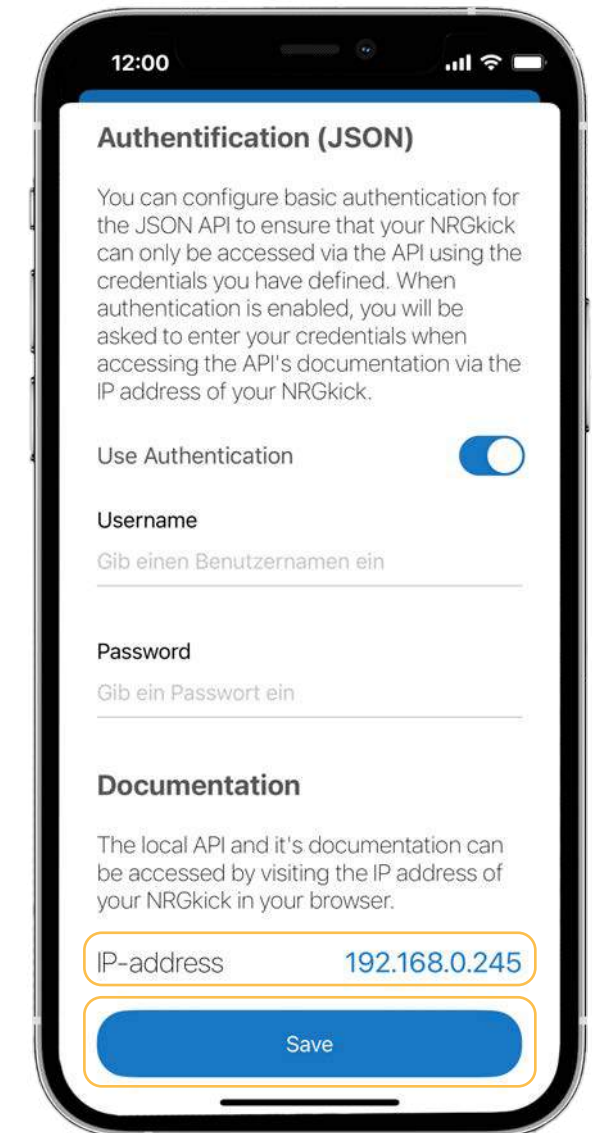
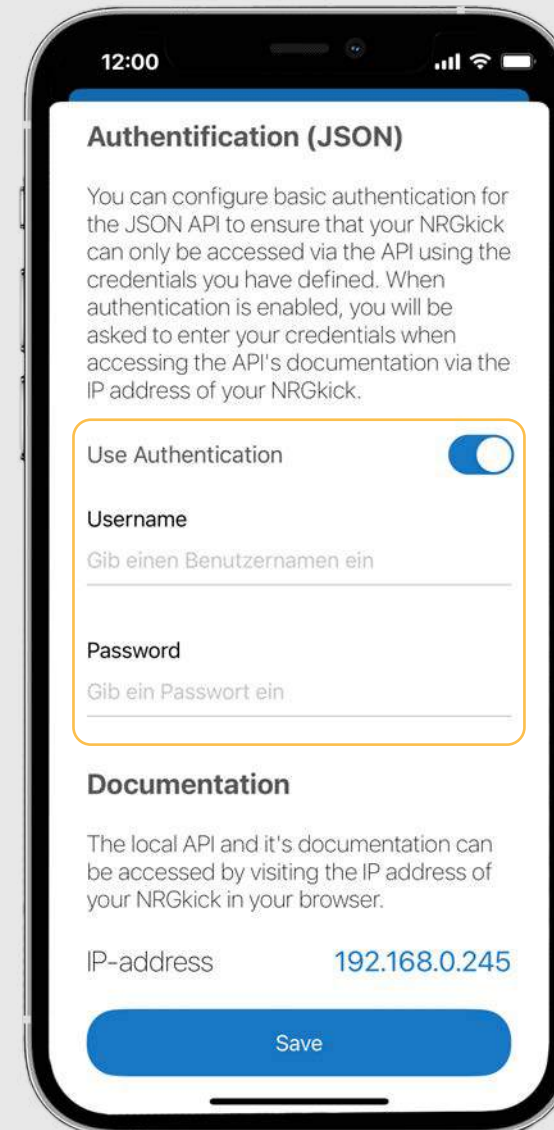


11.1. Go to the „Extended“ section and scroll down. There, tap on „Local API.“



11.2. You can now activate the 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,
please feel free to contact us by phone or email:

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