
charge. fast. anywhere.
The flexible Wallbox.
NRG kick
charge. fast. anywhere.
Everything that your EV needs
Version 1.5

NRGkick App

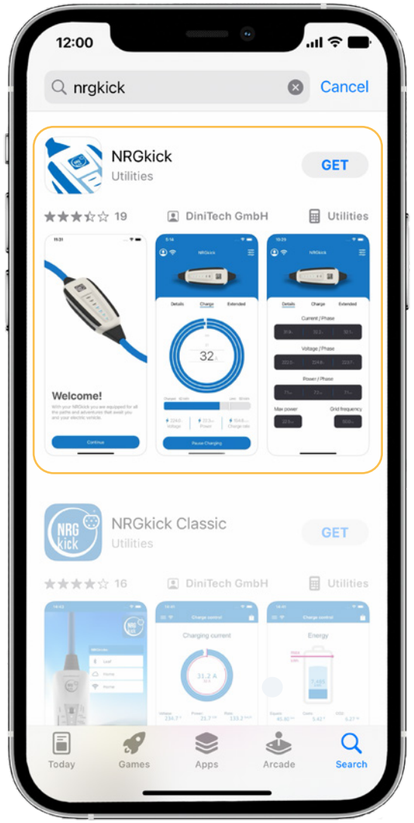
1. Downloading the app
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3. Setting up and managing the WiFi connection
4. Setting up the cloud accout with the setup wizard
5. Changing or resetting the access code
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11. Local API
12. Contact/Support

1. Downloading 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“.

Google Play

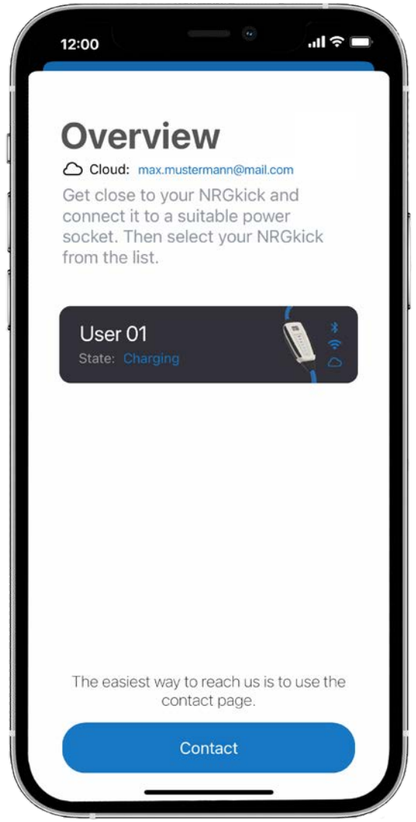
App Store



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!)

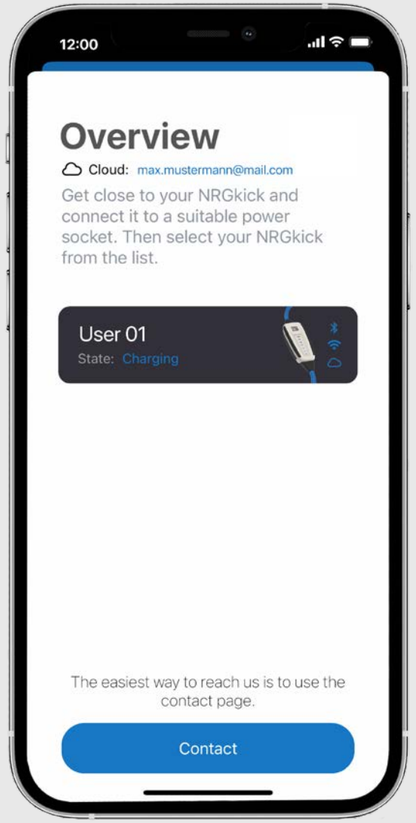


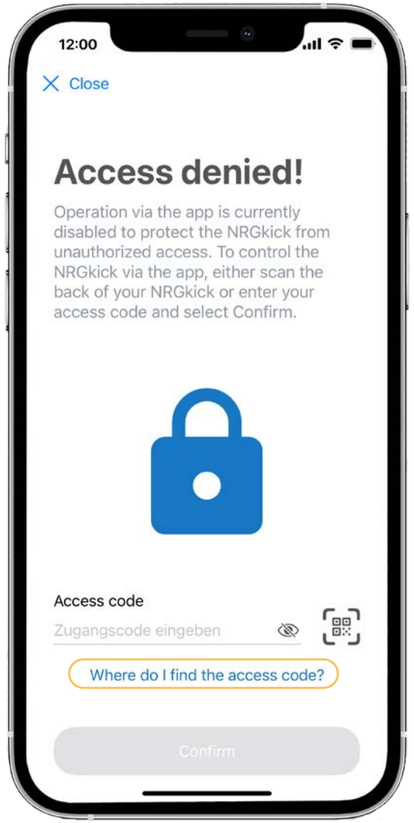


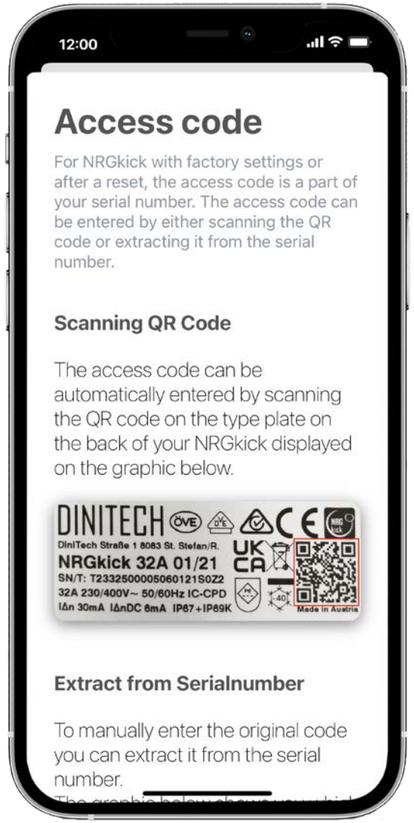
1.3. A new NRGkick without pre-configuration appears in the list with the Name „User01“.

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

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





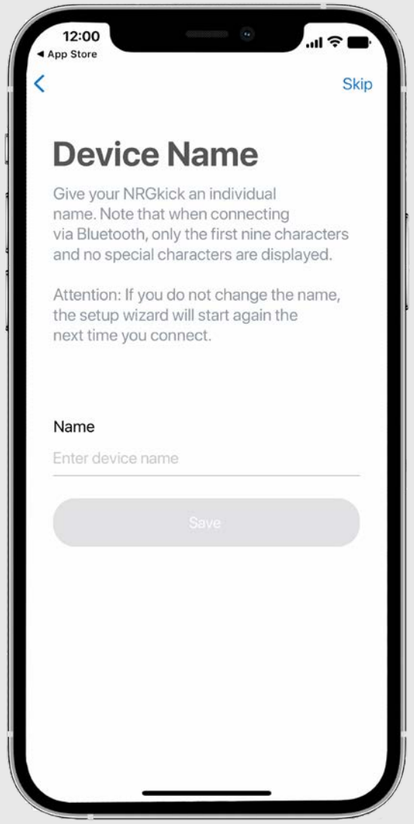


2.2. Enter the access code: The access code consists of the 7 digits before the letter „S“ in the serial number. You can find the serial number on the back of your NRGkick. Alternatively, you can scan the QR code.

You can later change the access code (see step 5).

After entering the code, access is activated.

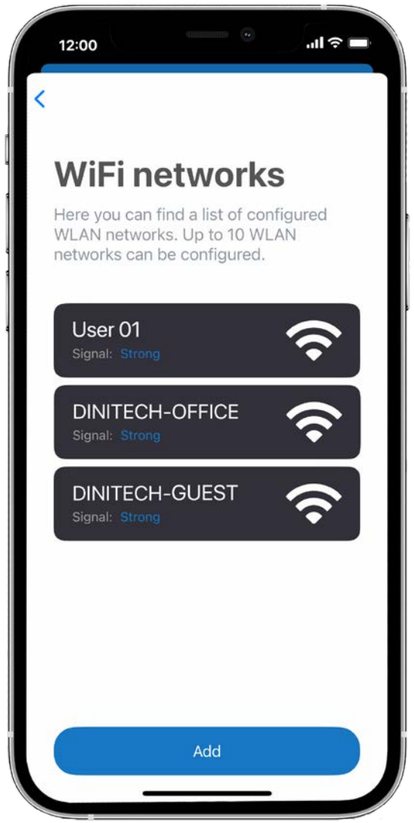
2.3. Optionally, you can change the name of the NRGkick now or do this step later.



3. Setting up and managing the WiFi connection

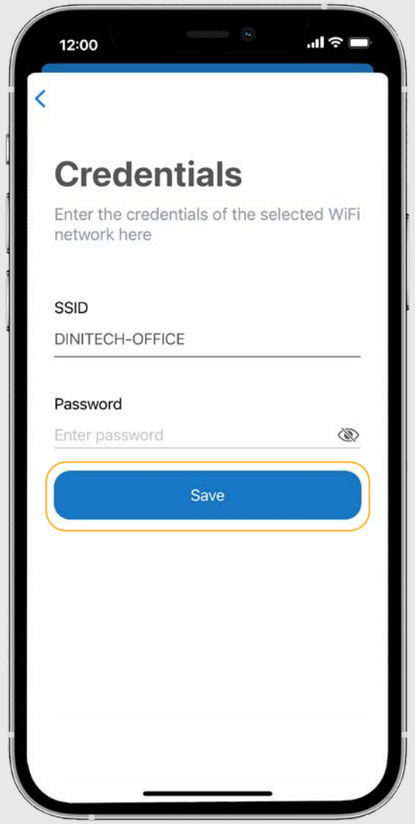
3.1. By clicking on „Add“, you can search for and display available WiFi networks.

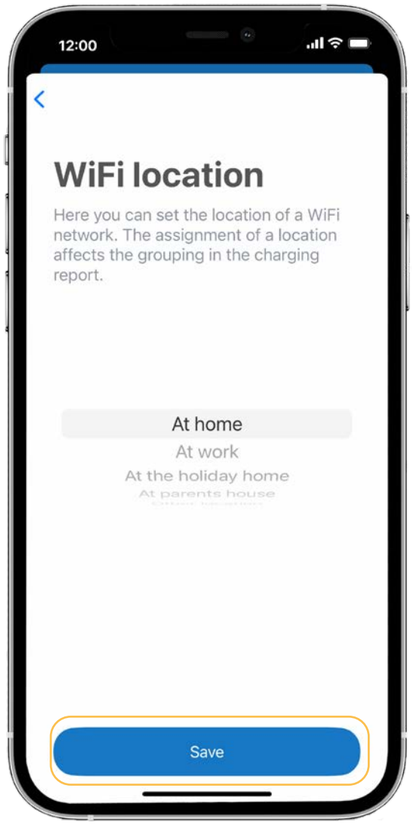




3.2. Select the desired WiFi.
Note: You can also create a hotspot with your own smartphone.

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

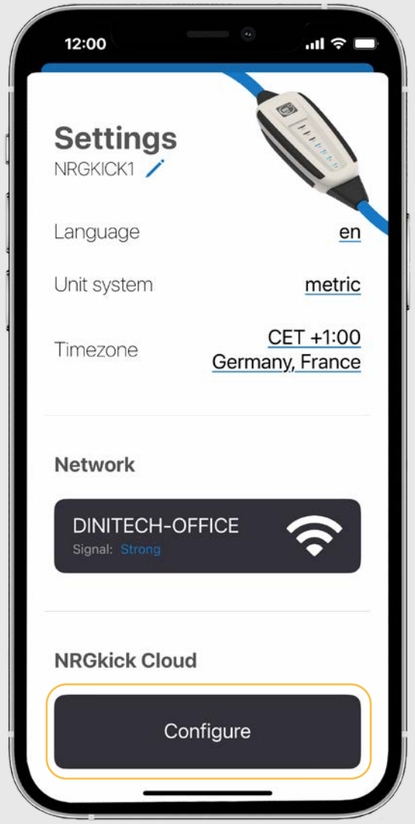


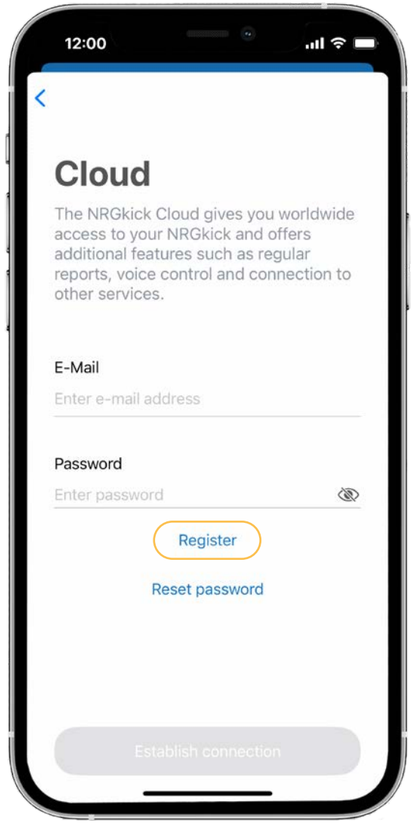


3.4. You can then assign a location to your WiFi.
The location can later be included in the charging reports.

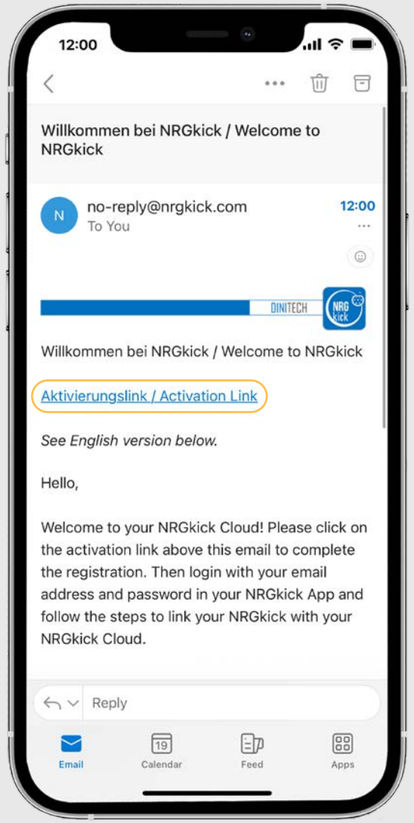
4. Setting up the cloud account with the setup wizard

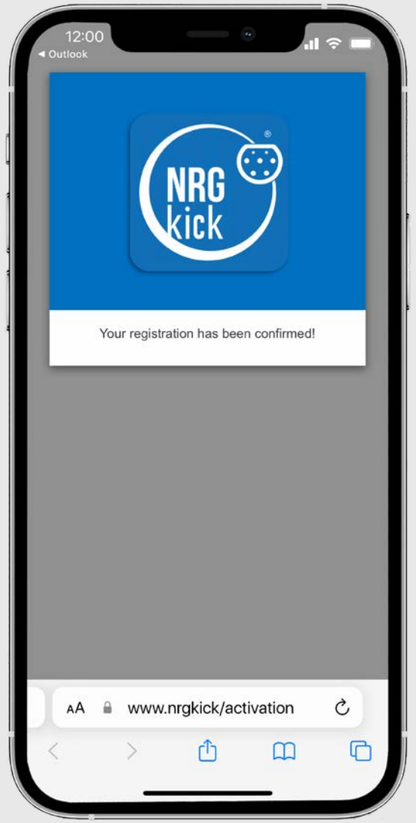
4.1. In the Setup Wizard, tap on „Configure“.





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

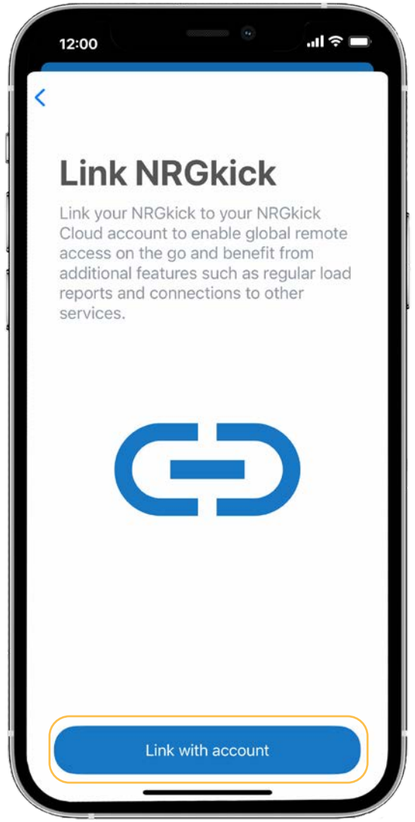




4.3. After entering your information and tapping on „Create account“ you will receive an email. Open it and click on the activation link to confirm your registration.

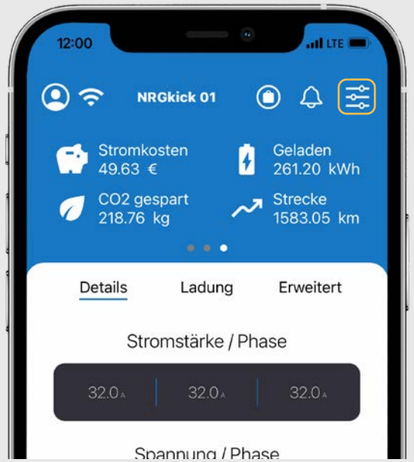
4. Setting up the cloud account with the setup wizard

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



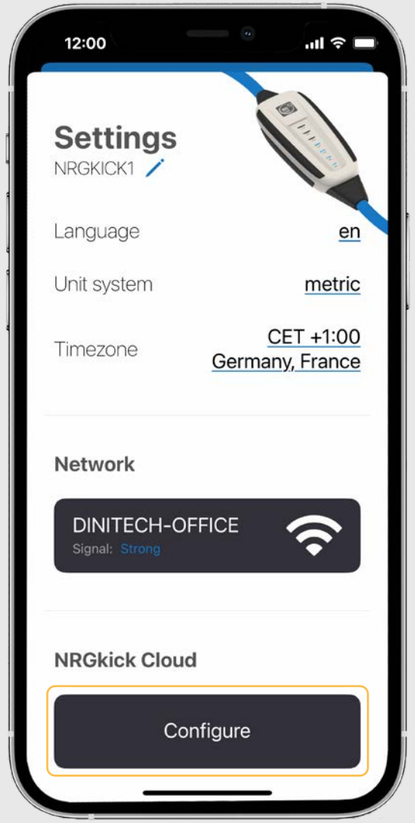
4.5. If no cloud account is created during the initial setup, you can do this at any later time. To do this, open the app and make sure to be close to NRGkick (< 10m), as the connection is initially established via Bluetooth.

After establishing a connection, proceed as described below:



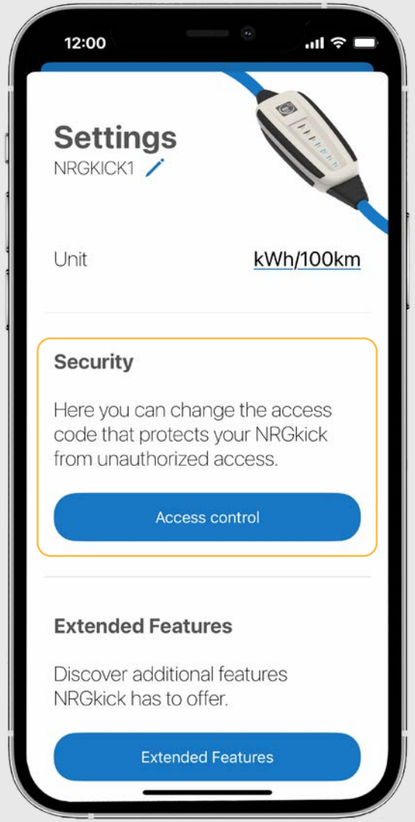
4.6. Tap the button in the upper right corner to access settings.

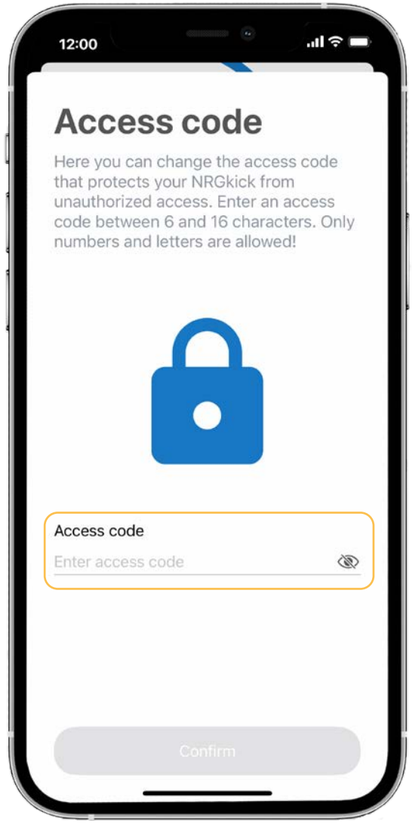
4.7. In the settings, tap on the „Configure“ button in the section „NRGkick Cloud“ and then proceed as described on steps 4.1 - 4.4.



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:

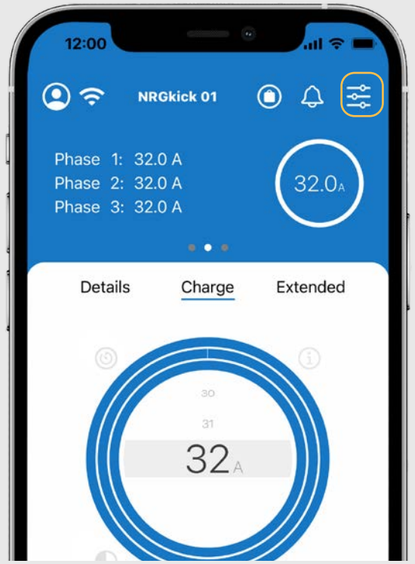
1. Plug in NRGkick - 8A flashes 8 times
2. Press 24A IMMEDIATELY and hold it for about 10sec.
3. As a sign of successful reset, all LEDs now slowly flash 3 times.

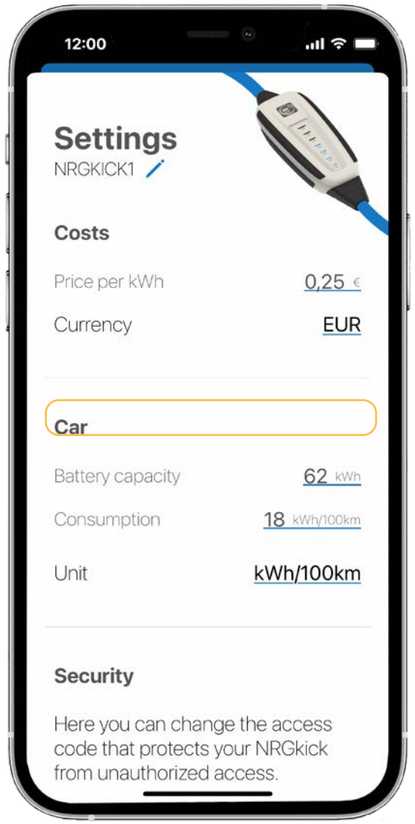
ATTENTION: Charging data and charging processes which have not been transmitted via WLAN before the reset will be lost. Therefore, if possible, connect the unit to the Internet and the cloud before performing a reset, to back up the data.

6. Setting charging limits in the app

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.

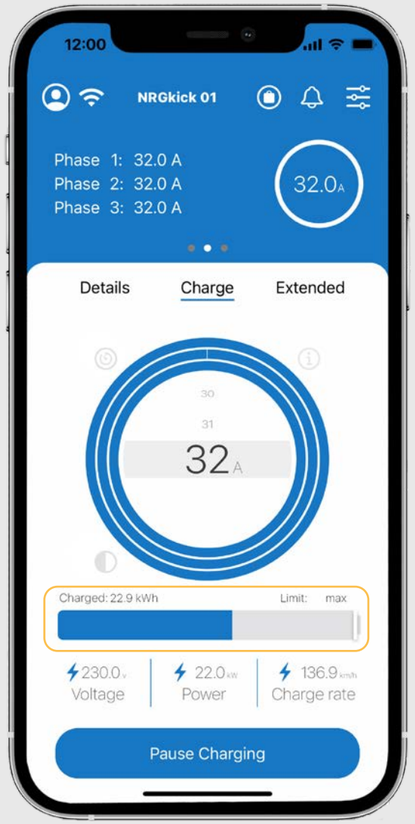
To do this, open settings at the top right.





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.

7. Configuration of automatic charging reports

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

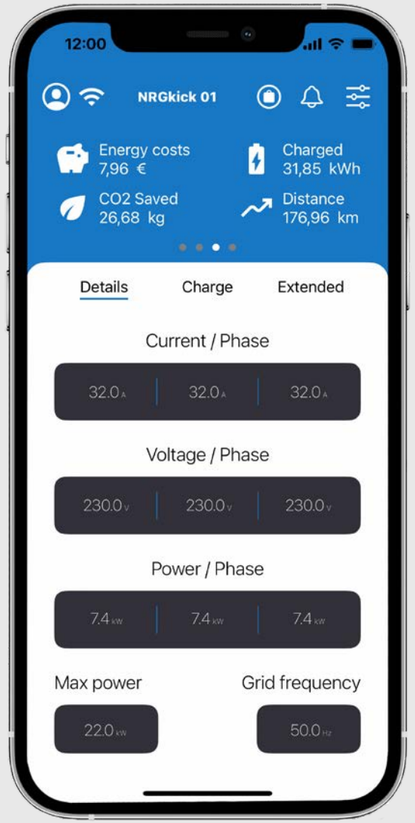
To use this function, the cloud account must be set up once and the charging report function must be configured.

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

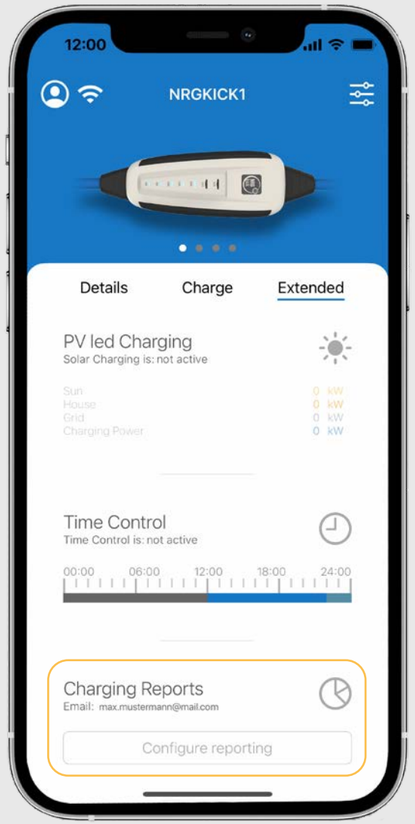
Charging reports can be received as PDF and/or CSV files.

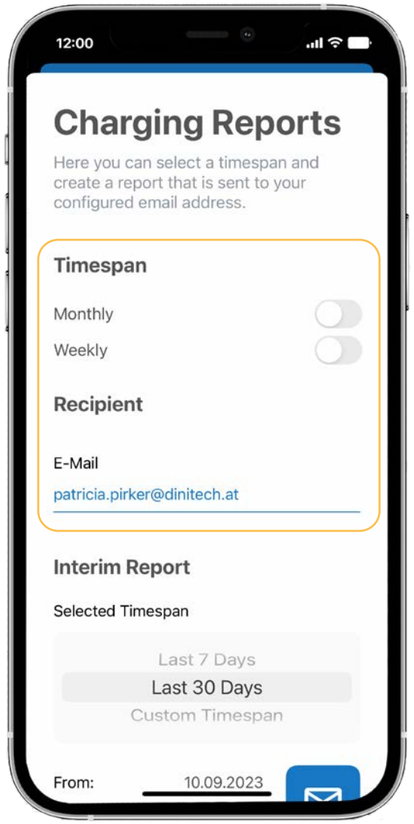
NRGkick requires a connection to the Internet in order to send charging reports.

7.1. On the home screen of the app, go to the section „Extended“.



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

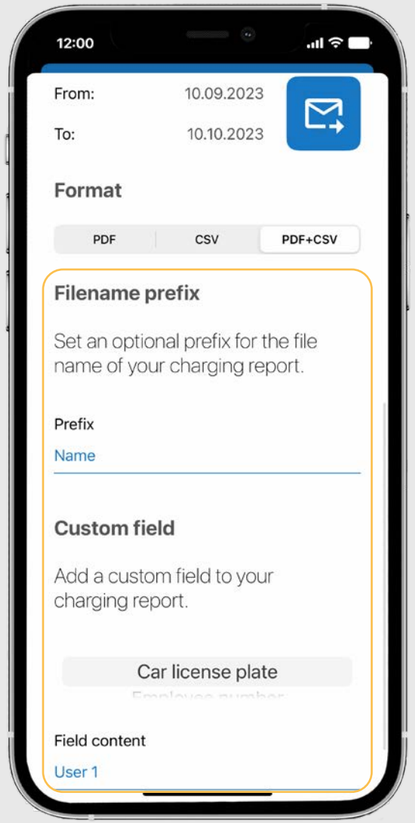




7.2. Enter the desired timespan and the recipient mail address for the reports.

7. Configuration of automatic charging 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.

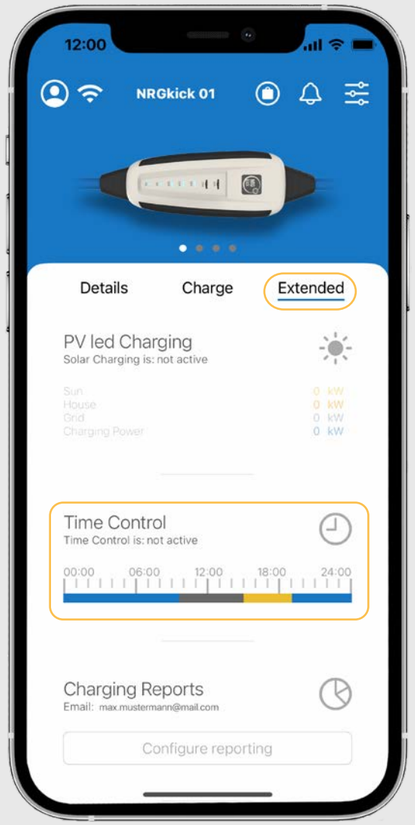
In the section „Recipients“, you specify which email address the reports will be sent to.

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).

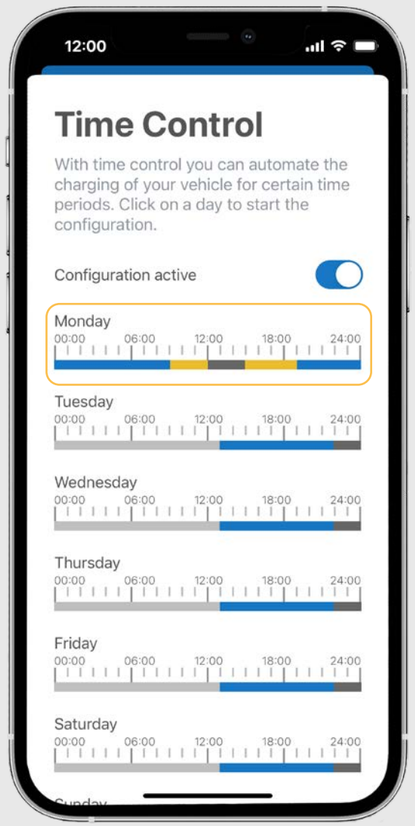
There are also customizable fields that can be added to the report (e.g. numer plate, user, ...) and the file name can be customized as well.

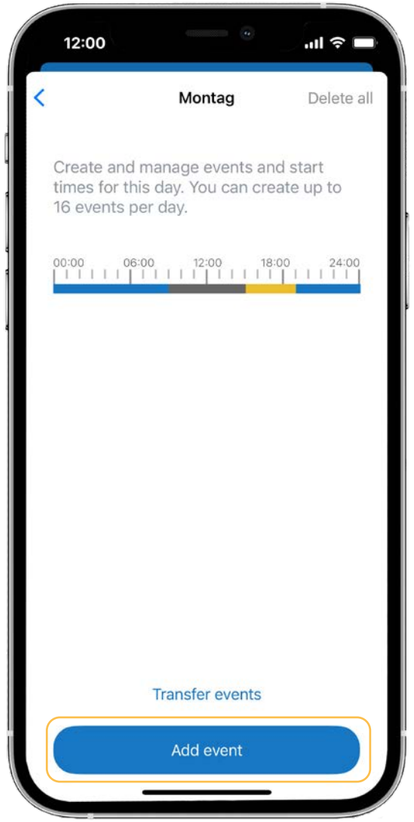
8. Time control configuration: managing charging events with the app

8.1. On the home screen of the app, go to the section „Advanced“ and tap on „Time Control“.



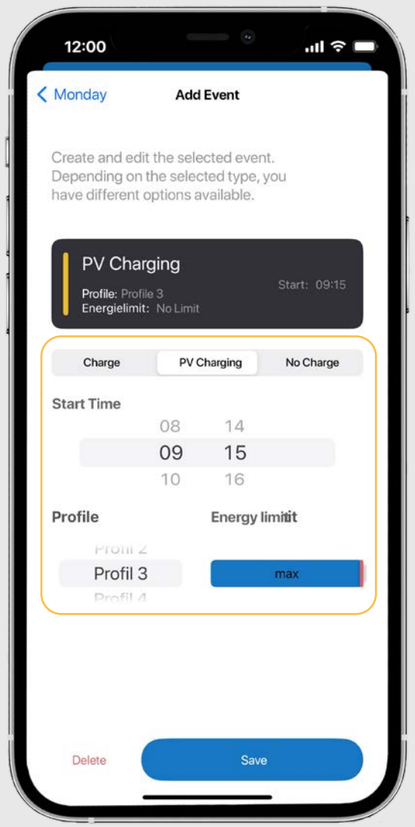
Tap on the desired day of the week in the list.





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“.



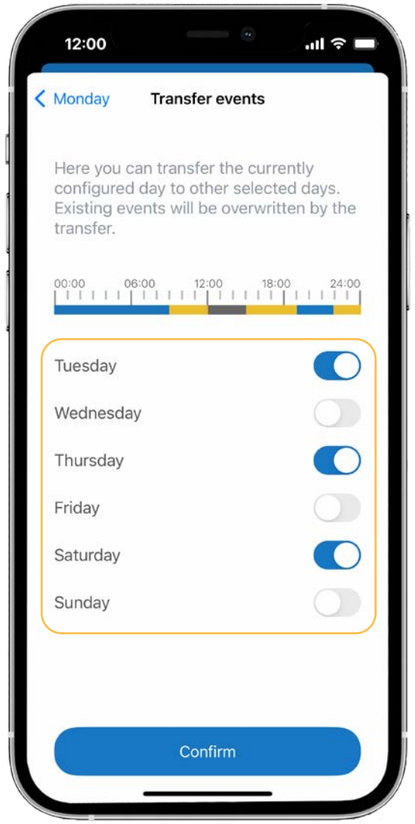
8. Time control configuration: managing charging events with the app



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

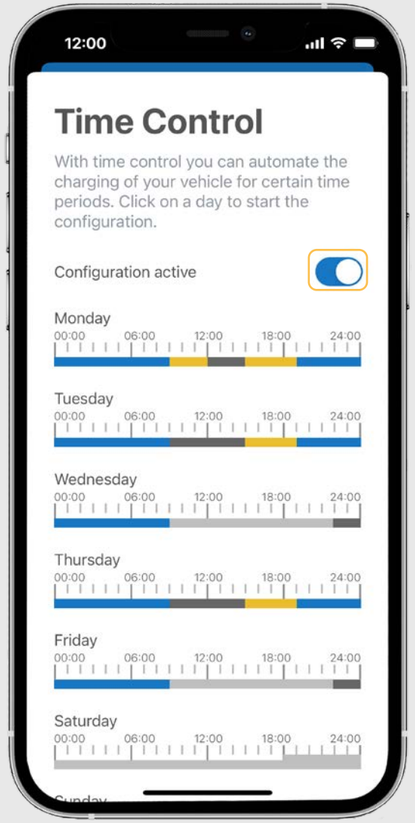
8.5. Several different charging windows can be defined for each day. By clicking on „Transfer events“ a day profile can be transferred to other weekdays.





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.



9. Setup/connection of charging networks (OCPP)

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.

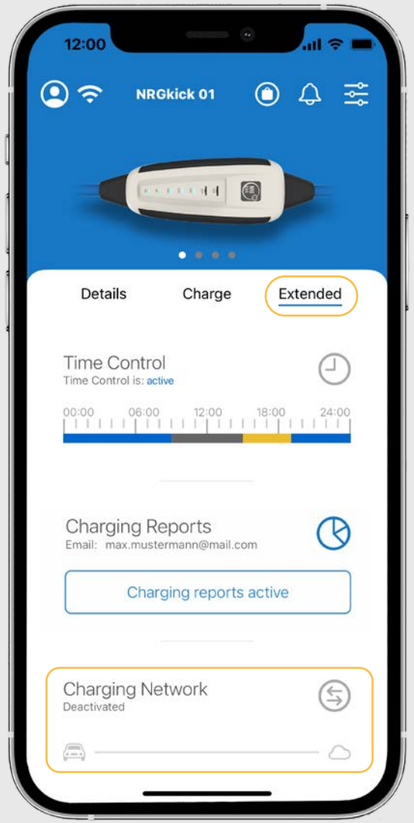
With OCPP, your NRGkick is managed in a central management system and can be controlled together with other charging points. Thus, operators of charging networks can easily include, manage and support NRGkick.

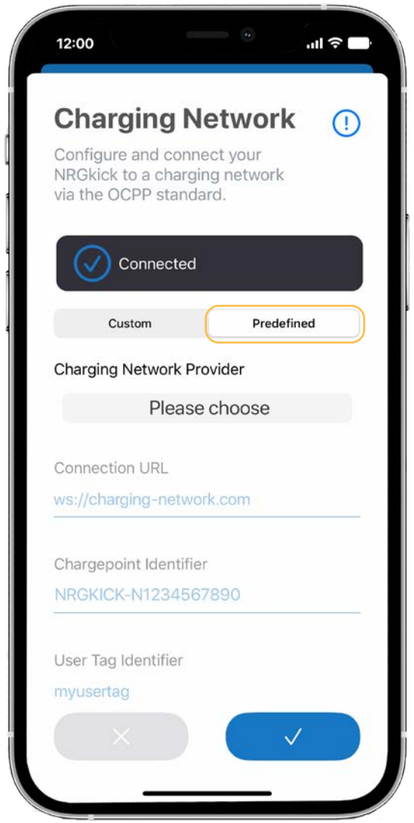
Note:
OCPP is used by corporate customers only and not relevant for private users.

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

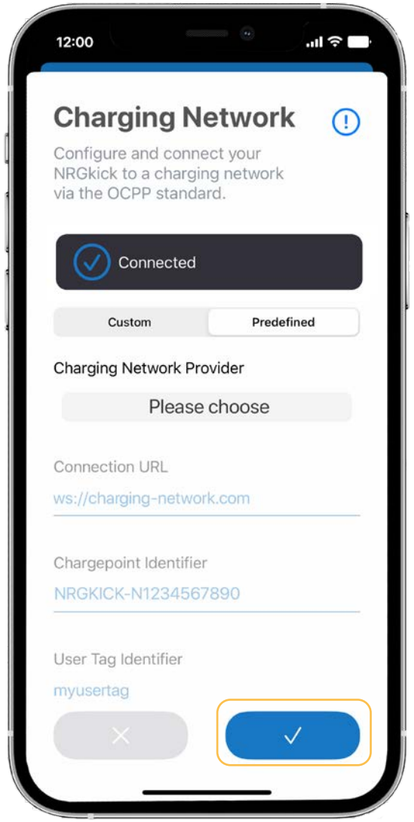
9.1. Go to the section „Extended“ and scroll down.
Tap on „Charging Network“.





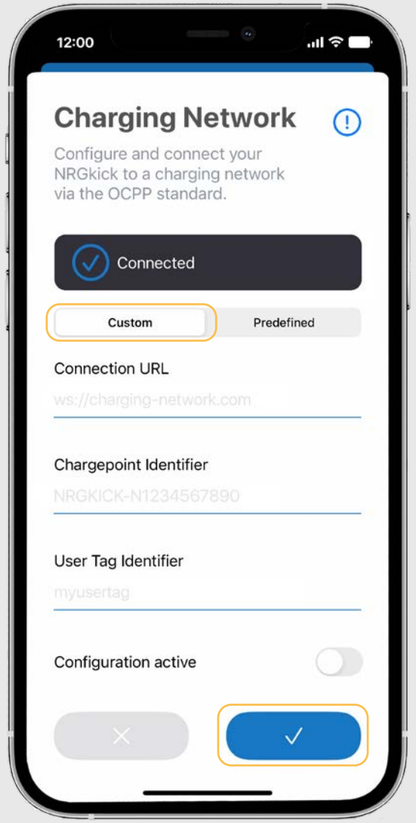
9.2. If the charging network partner is permanently integrated, select „Predefined“. The connection URL and charger ID are pre-filled in this case (from parts of the NRGkick serial number).

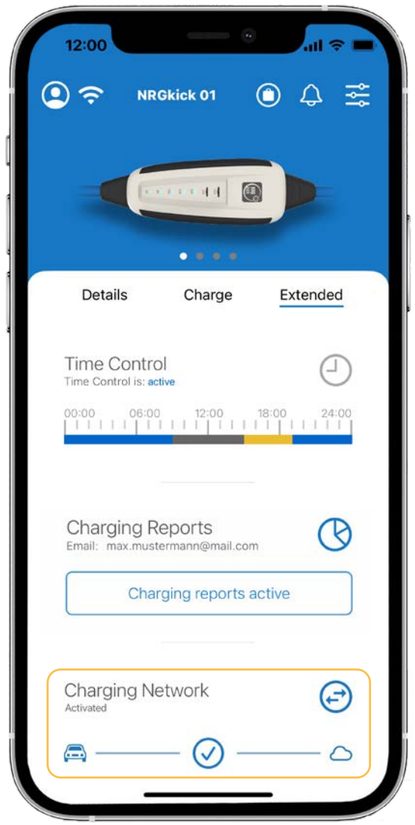
9. Setup/connection of charging networks (OCPP)



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 complet, you can confirm the entry by tapping the blue checkmark button.

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.

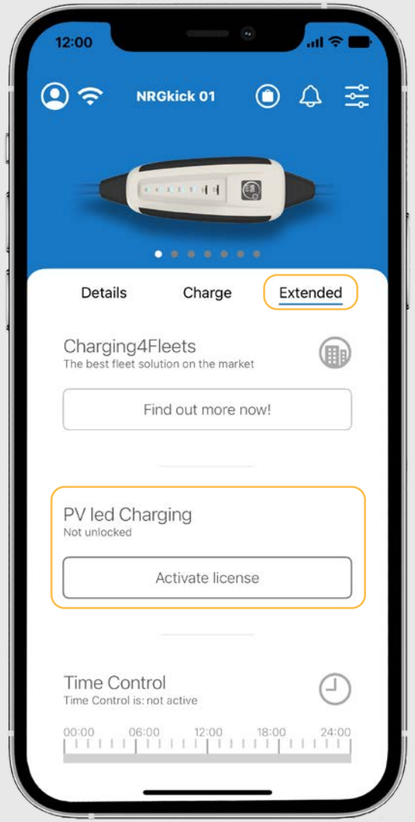


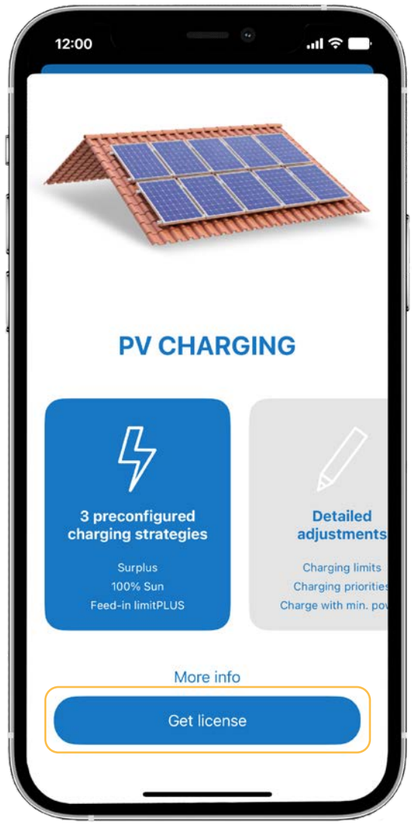


9.4. After a few seconds, the connection to the charging network is established.
This enables the automatic recording of all charging processes for fleet managers.

10. Purchasing/Setting up PV-led Charging

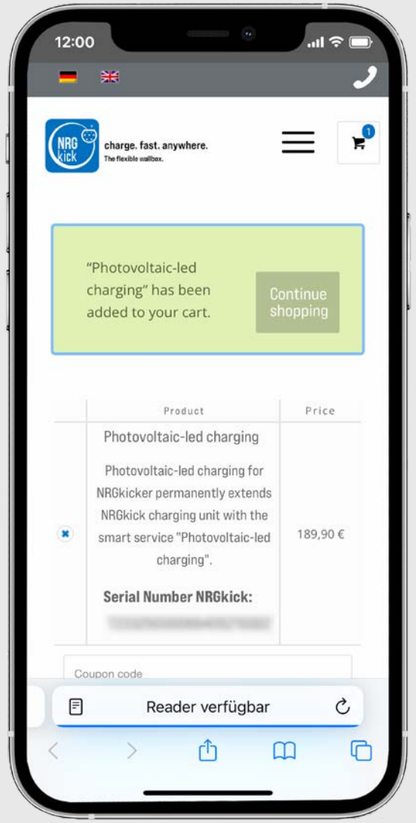
10.1. In the section „Extended“, you can buy the software license for „PV-led Charging“.

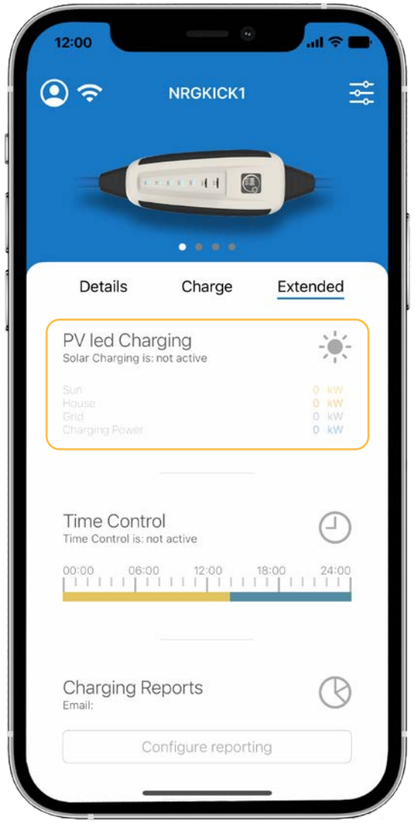




10.2. Tap on „Get license“. You will be redirected to our website.

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



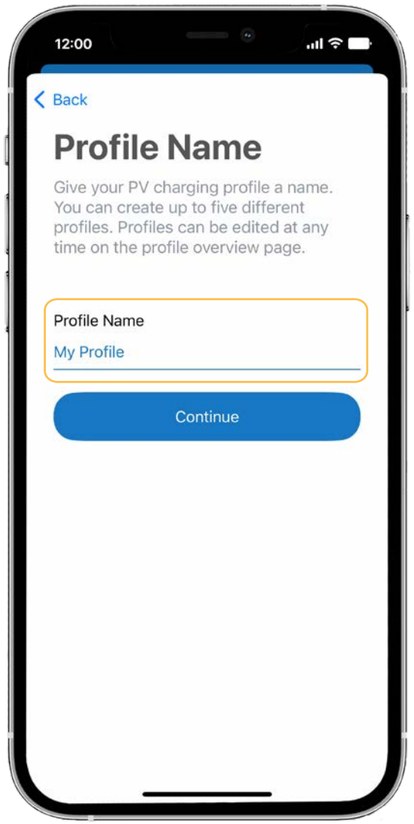


10.4. You will see the newly enabled „PV-led Charging“ function in the app. By tapping on „PV-led Charging“, you can start the setup.

10. Purchasing/Setting up PV-led Charging

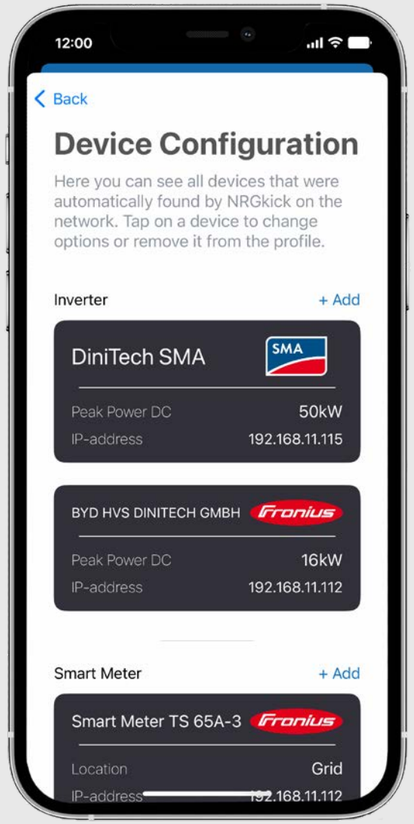
10.5. Tap on „Configure PV Charging“ to start the configuration.





10.6. First, add a name to your profile. Tap on „Continue“.

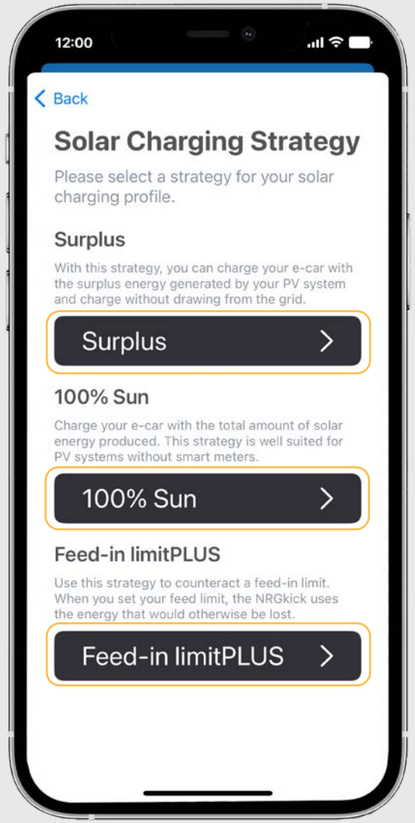
10.7. Now, all devides that are found in your network are automatically added to the profile. This is currently only available for the brands Fronius and SMA, other devices can be added manually. You can find a detailed description on how to add devices manually in the document „PV manual extended“.



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

10. Purchase/Setup of PV-led Charging

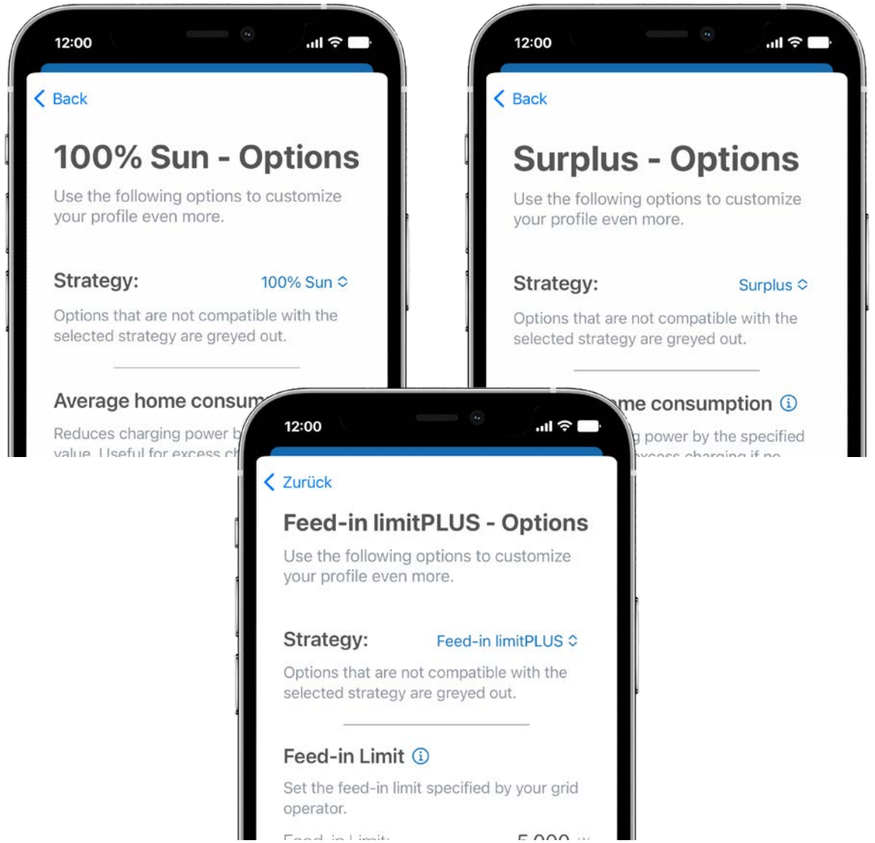
10.8. Now tap on the desired PV charging strategy.



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

If you don‘t use a smart meter, we recommend using the charging strategy „100% sun“.

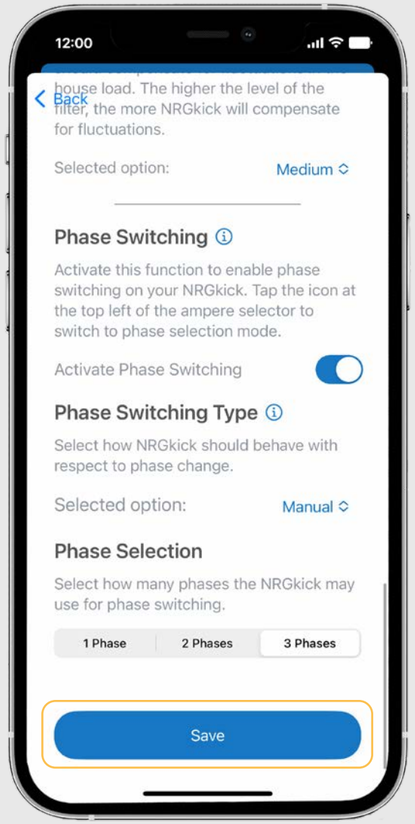
If you want to charge your car and feed into the grid at the same time, we recommend using the charging strategy „feed-in limitPLUS“.

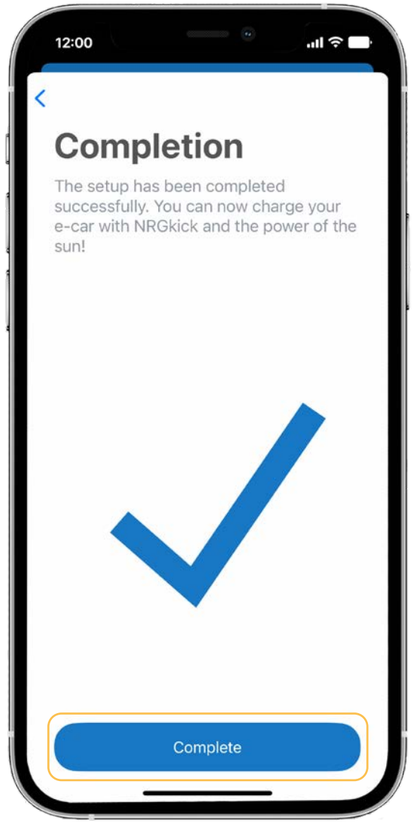


10.9. Within the respective strategies, there is a variety of additional settings that you can adjust. These settings are described in detail in the document „Setup PV-led charging“.

10. Purchase/Setup of PV-led Charging

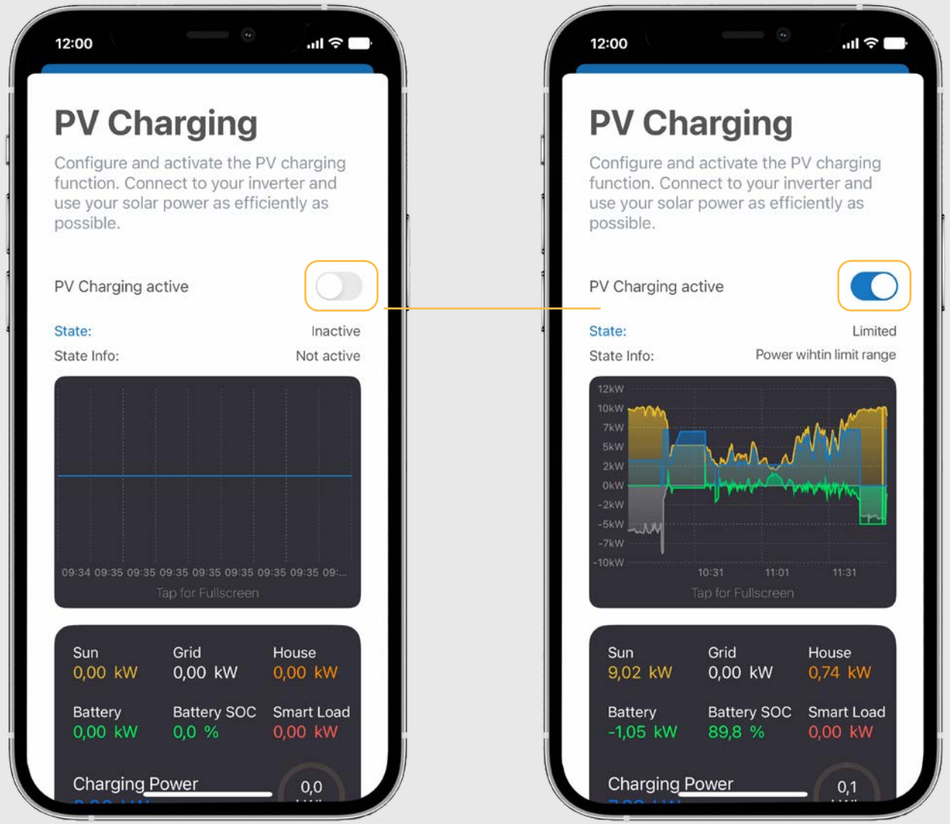
10.10. If you have completed all desired settings, tap on „Save“.





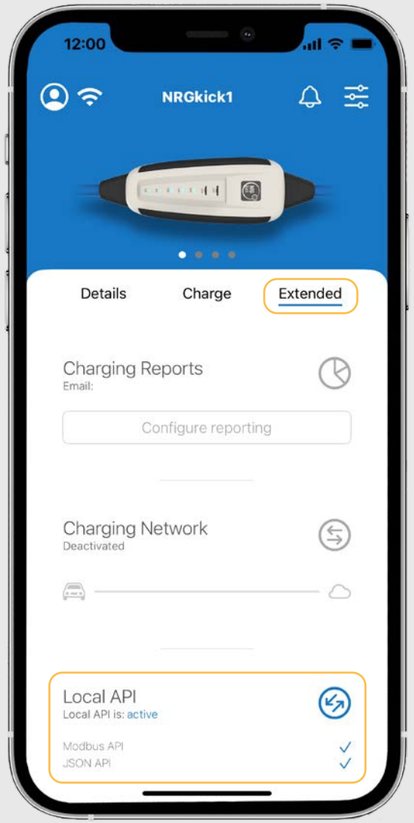
10.11. Tap on „Complete“ to finish the PV configuration.

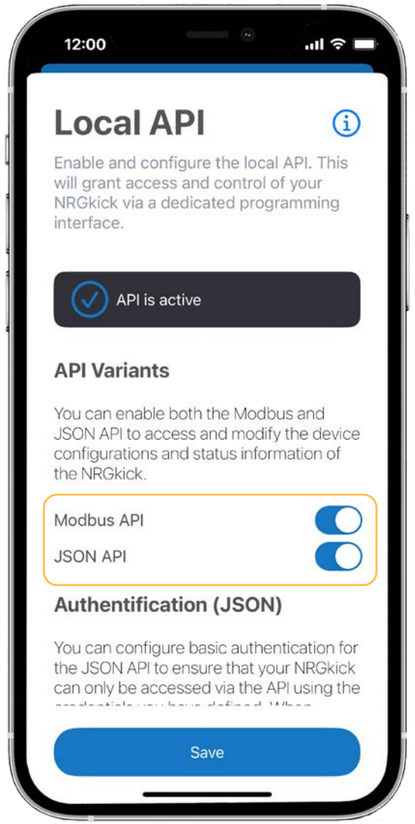
10.12. Once you have successfully set up your profile, you will be redirected to the overview page and just need to activate the PV-led charging feature.



11. Local API

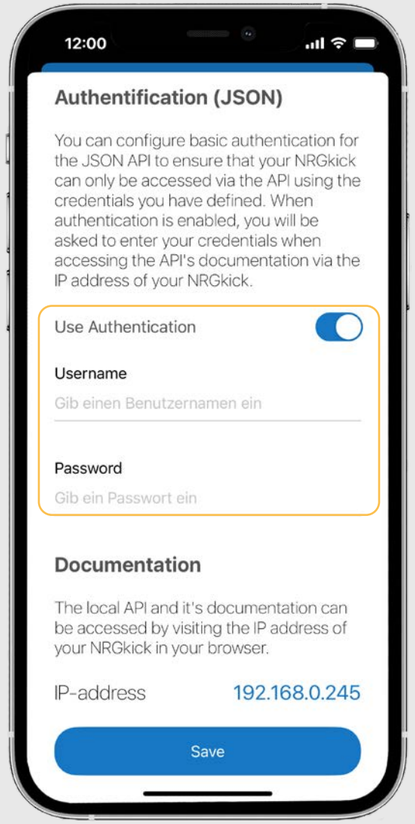
11.1. Go to the section „Extended“ and scroll down. Tap on „Local API.“

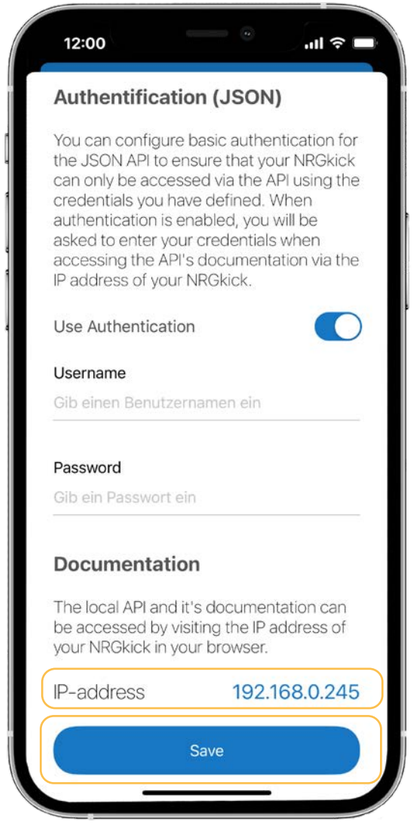




11.2. You can now activate Modbus API and/or JSON API protocols.

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’.

12. Contact/Support



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

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