



MENNEKES Charge Point

Version:2026.6.1

Table of Contents

1. Introduction	2
2. Installation	3
2.1. Compatibility.....	3
2.2. Hardware	3
2.3. Settings via the MENNEKES web interface.....	3
2.4. Integrating the charging station into FEMS	5
3. How to use the app	7
3.1. Forecast.....	9
3.2. History.....	10
3.3. Energy limit.....	11
3.4. Schedule (Active Mode).....	12
3.5. Base mode	15
3.6. App Center Vehicles	16
4. Contact us	17

1. Introduction

1. Introduction

2026.6.1

This guide explains how to integrate and configure FEMS App MENNEKES Charge Point into FEMS. Please read the guide carefully to get the most out of the app's features.

The license key you purchased, *AC Charging Station*, can be redeemed for *one* of the supported charging stations.

[Click here](#) to learn how to register and redeem a newly purchased license key. You will also find general instructions on how to install an FEMS App.



If another supported charging station is currently installed, the license key can be transferred to the new charging station by uninstalling the previous app.

This activates the license key, which can then be used to integrate a new charging station into FEMS.

2. Installation

2.1. Compatibility

The following models are compatible with FEMS:

- [AMTRON 4You 400](#)
- [AMTRON 4You 500](#)
- [AMTRON 4Business](#)
- [AMTRON Professional \(excluding Twincharge for now\)](#)

2.2. Hardware

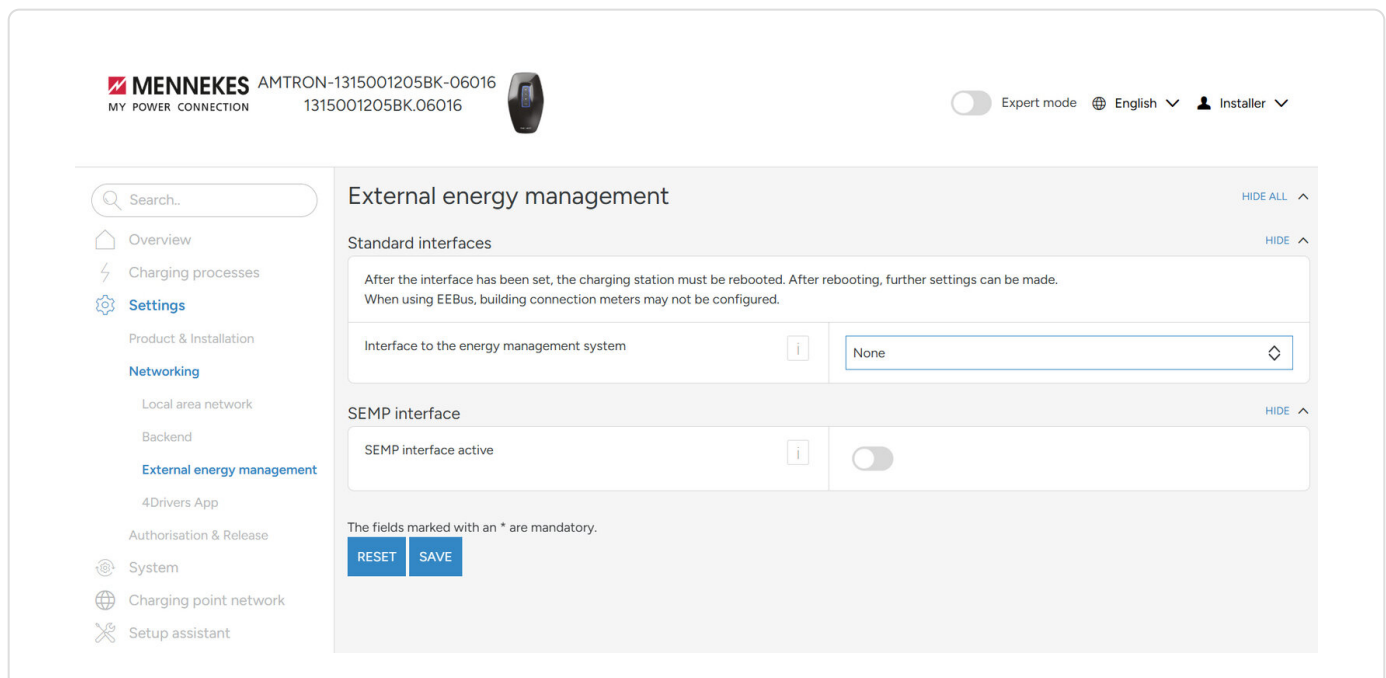
For hardware installation, please refer to the [official MENNEKES documentation](#).



The hardware installation must be performed by a licensed electrician.

2.3. Settings via the MENNEKES web interface

1. Log in to the MENNEKES charging station via the web interface and navigate to *Settings > Networking > External Energy Management* using the side menu:

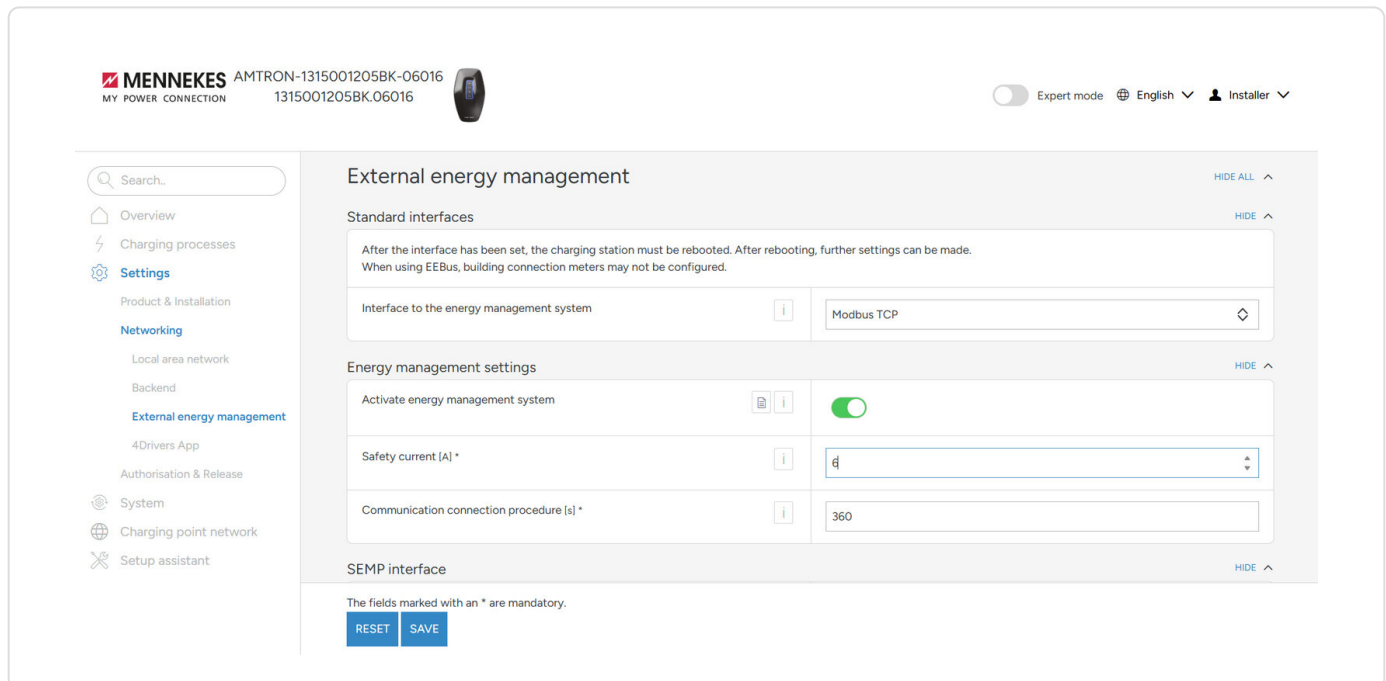


The screenshot shows the MENNEKES web interface for an AMTRON-1315001205BK-06016 charging station. The top header includes the MENNEKES logo, the model number, and a status icon. The sidebar on the left contains a search bar and a list of navigation items. The main content area is titled 'External energy management' and contains two sections: 'Standard interfaces' and 'SEMP interface'. In the 'Standard interfaces' section, there is a dropdown menu for 'Interface to the energy management system' currently set to 'None'. In the 'SEMP interface' section, there is a toggle switch for 'SEMP interface active' which is currently turned off. At the bottom of the main content area, there are 'RESET' and 'SAVE' buttons. A note at the bottom of the main content area states: 'The fields marked with an * are mandatory.'

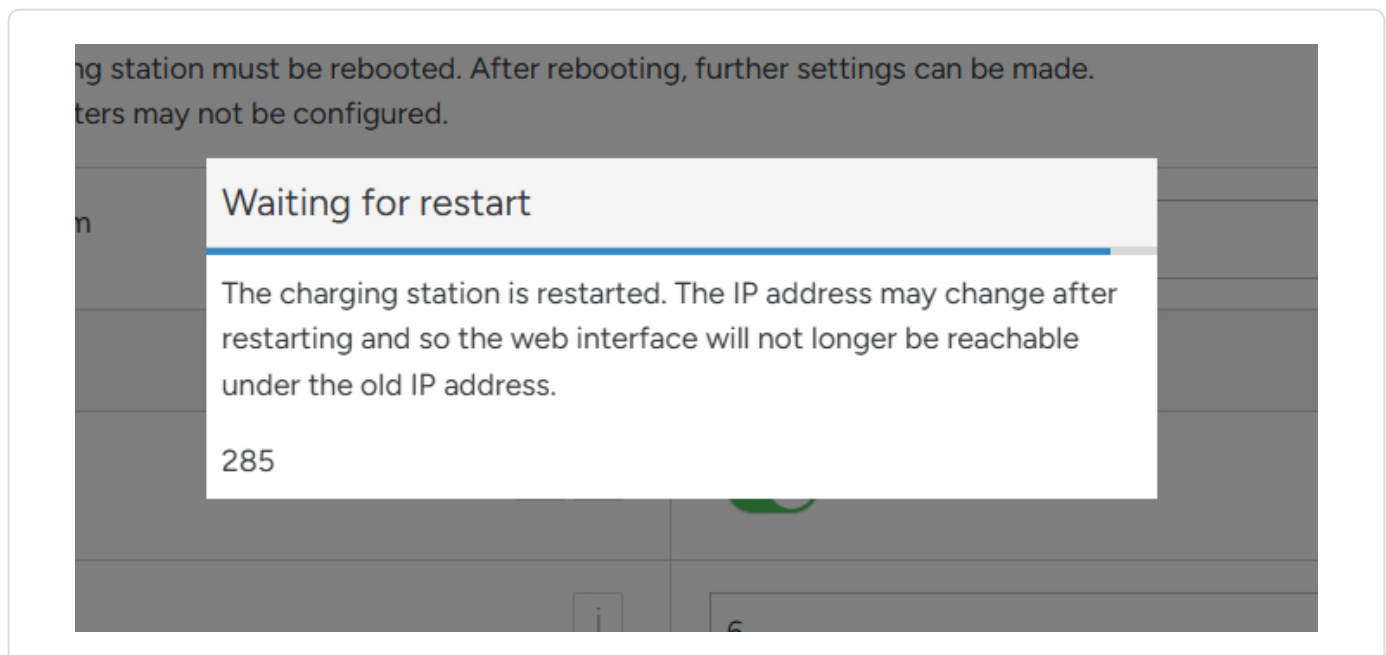
2. From the drop-down menu, select **Modbus TCP** as the interface to the energy management system.
3. Enable the energy management system by clicking the toggle .

2.3. Settings via the MENNEKES web interface

- The safety current should be set to 6 A. The timeout for the communication connection should be set to 360 seconds.



- After you have made the settings, click **SAVE**.
- Restart the charging station.



2.4. Integrating the charging station into FEMS

1. Once you have configured the settings for the charging station, you can integrate the charging station into FEMS.
2. In FEMS, go to *Settings* to open the App Center and install FEMS App by following these instructions: [General installation instructions for FEMS Apps](#).

Mennekes Charge Point

Alias*

Mennekes Charge Point

IP-Address*

192.168.25.11

Modbus Unit-ID

1

The Unit-ID of the Modbus device.

Electric vehicle*

Auto 2

Set the electric vehicle that is connected by default

No Vehicle configured yet? Configure here

Number of connected phases

Three Phase

Phase rotation

L1_L2_L3

Wiring of the individual phases of the charging station to actual phases of the grid

INSTALL APP



Some of the input fields are pre-filled. Check the data and adjust it if necessary if it differs from the default values (e. g., IP address). Otherwise, the default values can be retained (e. g., port, Modbus unit ID).

- Required fields are marked with an *.

3. Select the phase rotation. This setting must match the phase rotation of the charging station.

2.4. Integrating the charging station into FEMS

Mennekes Charge Point

Alias*	Mennekes Charge Point
IP-Address*	192.168.25.11
Modbus Unit-ID	1
The Unit-ID of the Modbus device.	
Electric vehicle*	Auto 2
Set the electric vehicle that is connected by default	
No Vehicle configured yet? Configure here	
Number of connected phases	Three Phase
Phase rotation	L1_L2_L3
Wiring of the individual phases of the charging station to actual phases of the grid	

INSTALL APP

4. The phase connection L1_L2_L3 is selected as standard.

Mennekes Charge Point

Alias*	Mennekes Charge Point
IP-Address*	192.168.25.11
Modbus Unit-ID	1
The Unit-ID of the Modbus device.	

Phase rotation

☒ L1_L2_L3

☐ L2_L3_L1

☐ L3_L1_L2

CANCEL OK

5. Check your entries and make sure they are correct. Otherwise, the app will not work properly.
6. After you have configured the settings in FEMS, complete the installation by clicking *INSTALL APP*.



In addition to the information provided, you must enable the "Use new design" option in FEMS App MENNEKES Charge Point using .

This will update the user interface of FEMS App MENNEKES Charge Point to the new design, which will significantly improve the app's usability, especially on mobile devices.

INFO: It is not possible to revert to the old design.

If you use the app to access multiple charging stations, they will also be

automatically updated to the new design.

Mennekes Charge Point

Alias*

Mennekes Charge Point

IP-Address*

192.168.25.11

Modbus Unit-ID

1

The Unit-ID of the Modbus device.

Electric vehicle*

Auto 2

Set the electric vehicle that is connected by default

No Vehicle configured yet? Configure here

Number of connected phases

Three Phase

Phase rotation

L1_L2_L3

Wiring of the individual phases of the charging station to actual phases of the grid

INSTALL APP

7. The charging station is now integrated into FEMS and can be controlled via the app.

8. In the App Center, via the [EDIT APP](#), you can adjust the app's configuration at a later time.

3. How to use the app

Tap or click to activate the chip for your charging station. This will open the main window for the charging station, where you can view various details about it.

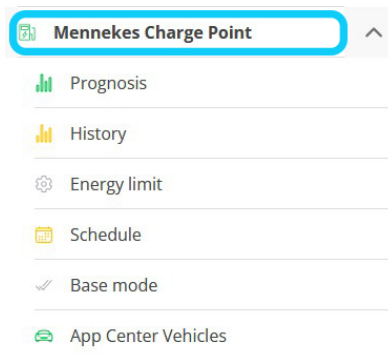


Figure 1. Main Window — Charging Station Chip

The main window displays different information and settings depending on the selected chip:

3. How to use the app



Base Mode	Off
Actual Mode	Minimal
State	EV not connected
Power	-
Energy since the last charge start	0 Wh

Upcoming tasks

Wed, June 10 22:15 - Wed, June 10 23:45	PV
Thu, June 11 22:15 - Thu, June 11 23:45	PV
Fri, June 12 22:15 - Fri, June 12 23:45	PV

The highlighted area below displays custom tasks (schedule).

In addition, the modes currently active — **Base Mode** and **Active Mode** — are displayed to the right of the charging station.

Mennekes Charge Point

Prognosis

History

Energy limit

Schedule

Base mode

App Center Vehicles

Mennekes Charge Point

Prognosis

History

Energy limit

Schedule

Base mode

App Center Vehicles

Settings for **Base Mode** can be configured via the chip [Base Mode](#).

Settings for **Active Mode** can be configured via the chip [Schedule](#).

Table 1. Explanation — Basic Mode and Active Mode

3.1. Forecast

Mennekes Charge Point

Prognose

History

Energy limit

Schedule

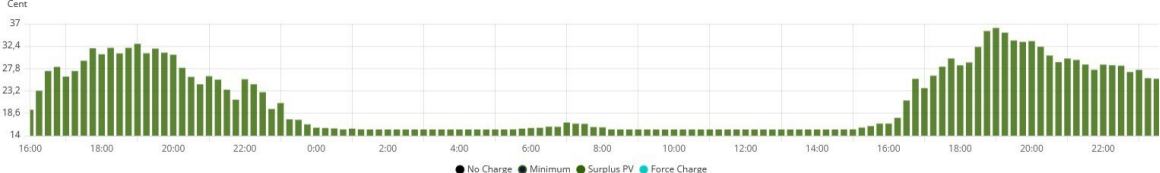
Base mode

App Center Vehicles

The main window of this chip displays the **Forecast** for your wallbox:

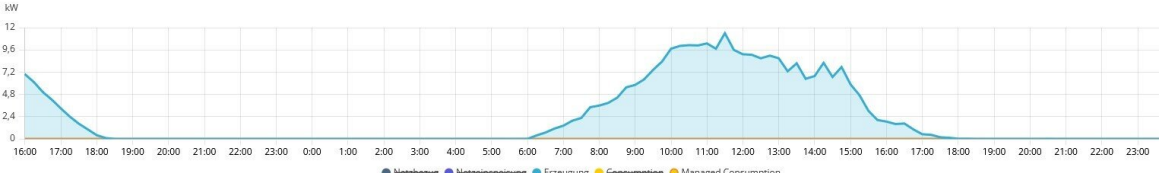
Wallbox KONA S (links) / Prognose

Cent



No Charge Minimum Surplus PV Force Charge

kW



Netbezug Neteeinspeisung Erzeugung Consumption Managed Consumption

Table 2. Explanation — Forecast

3.2. History

3.2. History

The main window of this chip displays the history for your wallbox:

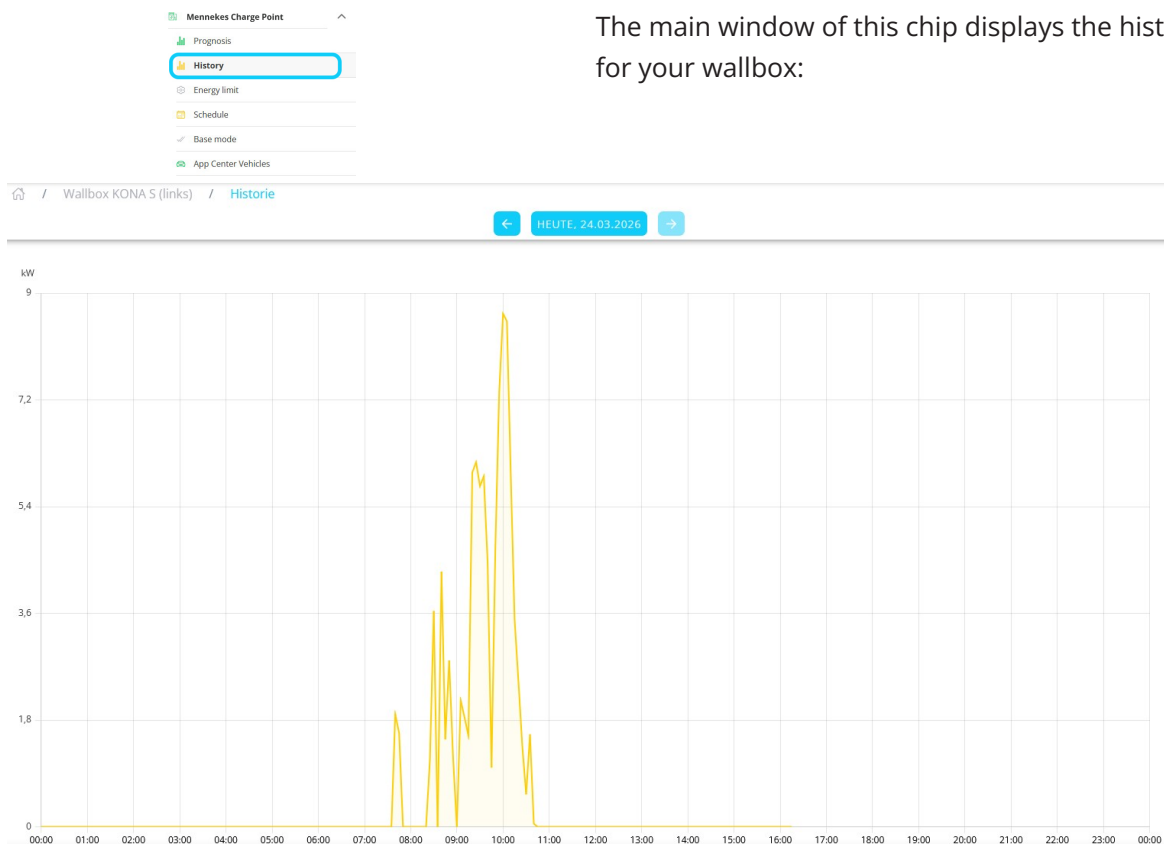
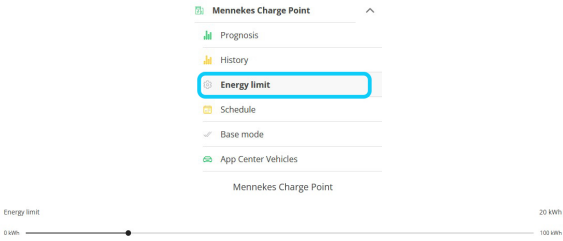


Table 3. Explanation — History

3.3. Energy limit



This chip allows you to set an **Energy limit** for charging your vehicle.

There is a slider for this in the corresponding main window.

- **Energy limit 0:** The vehicle will continue charging without restriction until its battery is fully charged or **Base Mode** is set to *Off*.
- **Energy limit 20:** The battery is charged up to a maximum of 20 kWh during each charging cycle.

etc.

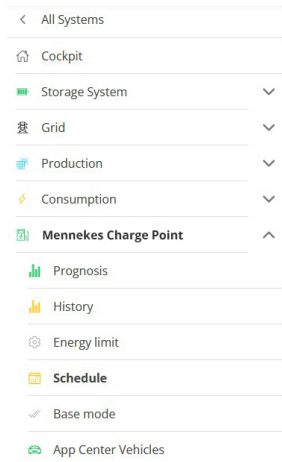
Confirm the setting using the ☒ in the lower-right corner of the main window.

Table 4. Explanation — Energy limit

3.4. Schedule (Active Mode)

3.4. Schedule (Active Mode)

Click or tap the *Schedule* tile to set an **Active Mode**.



Click or tap *ADD* in the main window to create a new task.

Now you can configure settings for your task:

Charging mode	Select ▼
Repeat	▼
Start	Choose time
End	Choose time
+ ACCEPT	

Charging Mode

Select the desired charging mode for the task. The following options are available:

Charging mode

☐ Off

☐ Minimal

☒ PV

☐ Fast

No charging

Completely disables the charging station.

Excess solar power with guaranteed charging

The *PV Surplus with Guaranteed Charging* mode **guarantees a minimum charging status for the vehicle**. If there is sufficient PV surplus, it is used. If there is no PV surplus, the vehicle is

charged using grid withdrawal up to the minimum charging power.

Excess solar power

In *PV Surplus* mode, EV charging is dynamically adjusted to the excess electrical energy.

Fast charging

In *Fast Charging* mode, the vehicle charges as quickly as possible.

Repetition and Start/End Times

Next, set the **Repetition Interval** and specify a start and end time for the task.

Clicking + *ACCEPT* saves the task and displays it in the overview of your charging station in the main window.



If no tasks are scheduled, **Active Mode** equals **Base Mode**.

Edit Task

This main window displays your custom tasks (schedule).

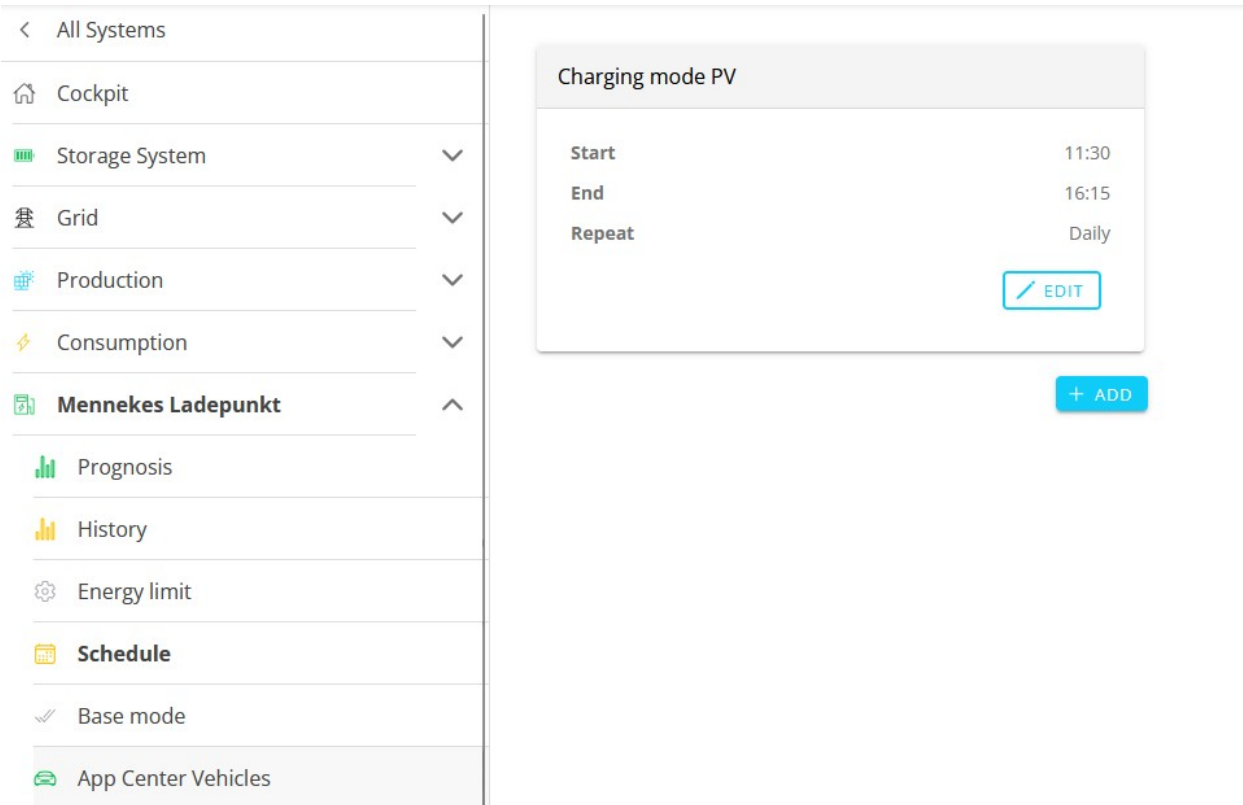


Figure 2. Overview — Schedule with a created task

If you already have a task in the list, you can *EDIT* it to, e. g. adjust the time period or the charging mode during that time period.

3.4. Schedule (Active Mode)

Charging mode	PV ▾
Repeat	Daily ▾
Start	11:30
End	16:15

 DELETE  ACCEPT

Click *ACCEPT* to save your changes to the task.
Click *DELETE* to remove the task.

3.5. Base mode

Click on the *Base Mode* tab to open the following main window:

Mennekes Charge Point

What mode should be used for charging

☐ No Charge

☒ PV Surplus

☐ PV Surplus with guaranteed charge

☐ Fast Charging

Figure 3. Example — Overview — Base Modes

No charging

Completely disables the charging station.

Excess solar power

In *PV Surplus* mode, EV charging is dynamically adjusted to the excess electrical energy.

Excess solar power with guaranteed charging

The *PV Surplus with Guaranteed Charging* mode **guarantees a minimum charging status for the vehicle**. If there is sufficient PV surplus, it is used. If there is no PV surplus, the vehicle is charged using grid withdrawal up to the minimum charging power.

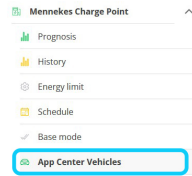
Fast charging

In *Fast Charging* mode, the vehicle charges as quickly as possible.

Confirm the setting using the ☒ in the lower-right corner of the main window.

3.6. App Center Vehicles

3.6. App Center Vehicles



You can use this tab to configure vehicle-specific settings.

The main window displays the settings for the *Generic Vehicle* app.

The *Generic Vehicle* app is automatically installed when you install FEMS App MENNEKES Charge Point.

Generic Vehicle means:

- The **primary vehicle** that is charged at this charging station by default.
- We recommend that you provide the correct model name of the vehicle.
- You can also define more than one vehicle.

The following settings are available for the connected Generic Vehicle:

Generic Vehicle	
Alias	KONA D (rechts)
Minimum Power in Single-Phase charging	1380 Watt
Maximum Power in Single-Phase charging	7360 Watt
Minimum Power in Three-Phase charging	4140 Watt
Maximum Power in Three-Phase charging	11040 Watt
0 if Three-Phase charging is not available	
Battery Capacity	50000 Wh
Does this EV support interrupting a charging session? ☒	
UPDATE APP UNINSTALL APP	

Once you have made the desired changes, save them by clicking the [UPDATE APP] button.



These settings provide FEMS with more precise vehicle data, making the charging forecast for your vehicle more accurate. You can also enter your vehicle's model name here so that it appears in the app.

4. Contact us

For support, please contact:

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