



MENNEKES Charge Point

Version:2026.6.1

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1. Introduction

2026.6.1

This guide explains how to integrate and configure FEMS App MENNEKES Charge Point into EMS. 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 EMS.

2. Installation

2.1. Compatibility

The following models are compatible with EMS:

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

2.2. Hardware

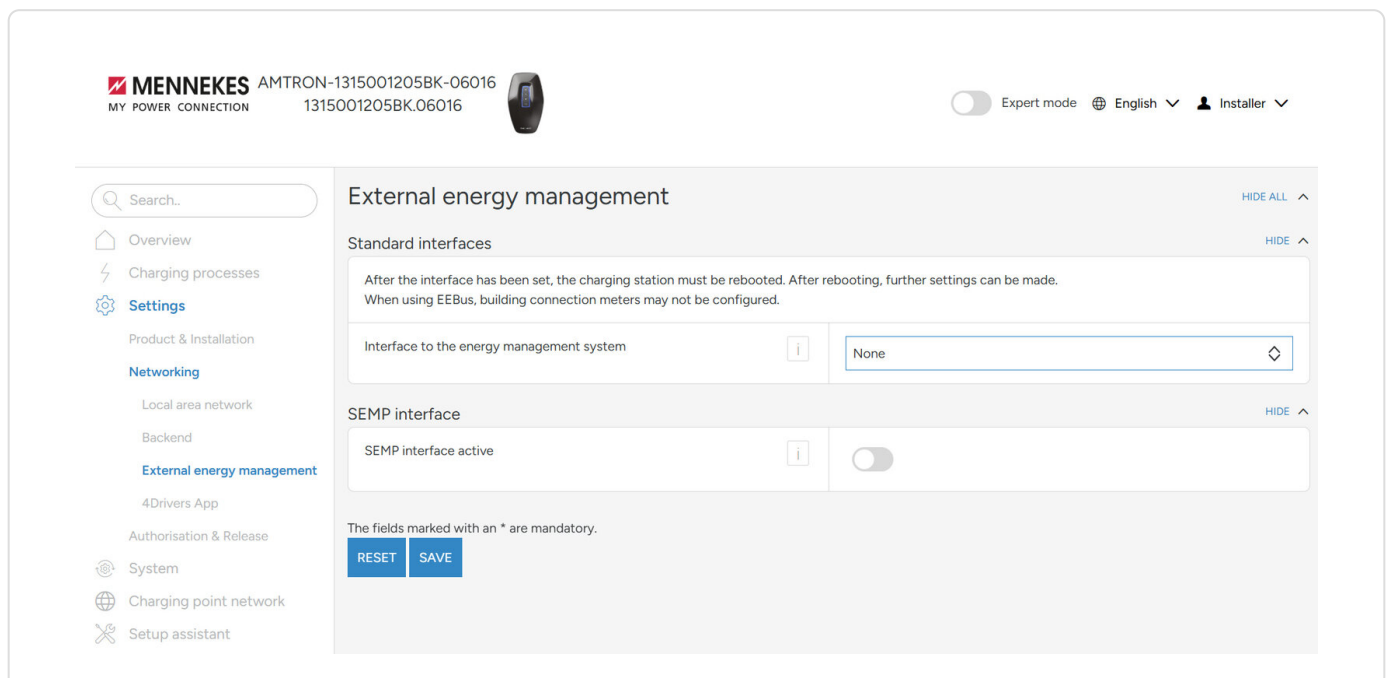
For hardware installation, please refer to the [official MENNEKES documentation](#).



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:

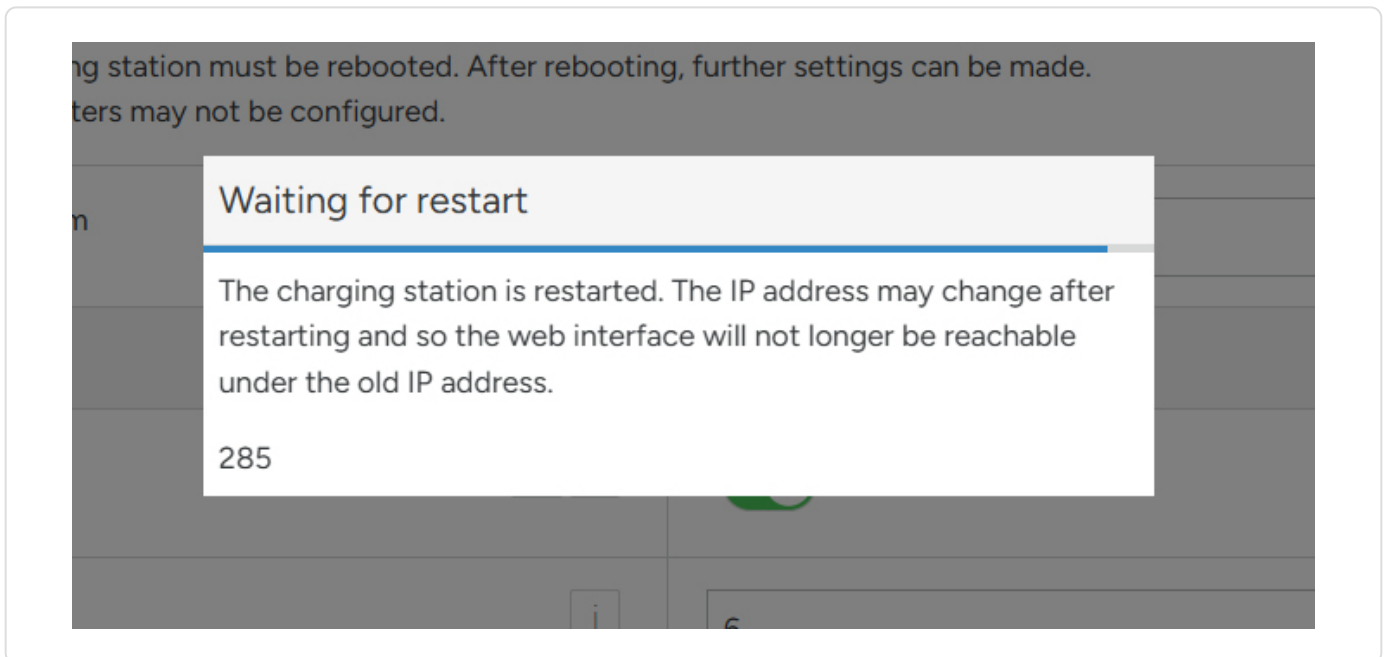


2. From the drop-down menu, select **Modbus TCP** as the interface to the energy management system.
3. Enable the energy management system by clicking the toggle
4. The safety current should be set to 6 A. The timeout for the communication connection should be set to 360 seconds.

The screenshot shows the MENNEKES web interface for a charging station. The top header includes the MENNEKES logo, model number AMTRON-1315001205BK-06016, and a small device icon. On the right, there are links for 'Expert mode', 'English', and 'Installer'. A left sidebar contains a search bar and a list of navigation items: Overview, Charging processes, Settings (highlighted), Product & Installation, Networking, Local area network, Backend, External energy management (highlighted), 4Drivers App, Authorisation & Release, System, Charging point network, and Setup assistant. The main content area is titled 'External energy management' and contains three sections: 'Standard interfaces' with a dropdown menu set to 'Modbus TCP'; 'Energy management settings' with a toggle for 'Activate energy management system' turned on, and input fields for 'Safety current [A] *' (set to 6) and 'Communication connection procedure [s] *' (set to 360); and 'SEMP interface'. At the bottom of the settings area are 'RESET' and 'SAVE' buttons. A note states: 'The fields marked with an * are mandatory.'

5. After you have made the settings, click **SAVE**.

6. Restart the charging station.



2.4. Integrating the charging station into EMS

- 1. Once you have configured the settings for the charging station, you can integrate the charging station into EMS.
- 2. In EMS, 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.

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Number of connected phases

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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

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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 EMS, 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 EMS 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.

 Mennekes Charge Point

^

 Prognosis

 History

 Energy limit

 Schedule

 Base mode

 App Center Vehicles

Figure 1. Main Window — Charging Station Chip

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

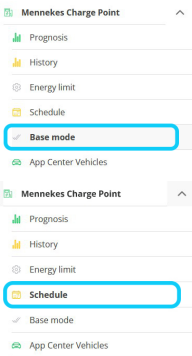


Base Mode	Off
Actual Mode	Minimal
State	EV not connected
Power	-
Energy since the last charge start	0 Wh

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.



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

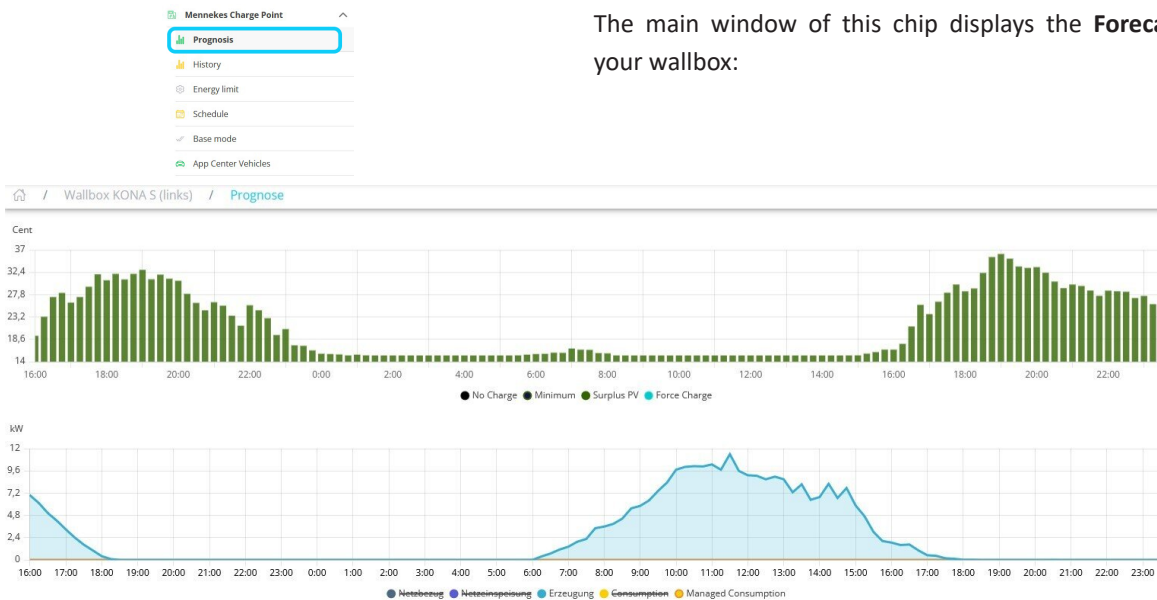


Table 2. Explanation — Forecast

3.2. History

Mennekes Charge Point

Prognosis

History

Energy limit

Schedule

Base mode

App Center Vehicles

Wallbox KONA S (links)

Historie

←

HEUTE, 24.03.2026

→

kW

9

7.2

5.4

3.6

1.8

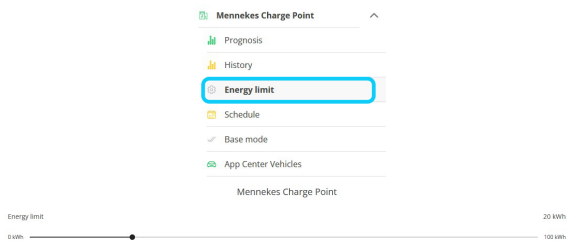
0

00:00 01:00 02:00 03:00 04:00 05:00 06:00 07:00 08:00 09:00 10:00 11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00 21:00 22:00 23:00 00:00

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.

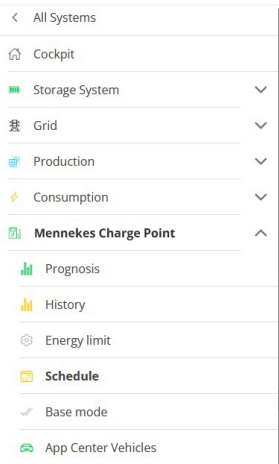
etc.

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

Table 4. Explanation — Energy limit

3.4. Schedule (Active Mode)

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).

< All Systems

Cockpit

Storage System

▼

Grid

▼

Production

▼

Consumption

▼

Mennekes Ladepunkt

▲

Prognosis

History

Energy limit

Schedule

Base mode

App Center Vehicles

Charging mode PV

Start

11:30

End

16:15

Repeat

Daily

EDIT

+ ADD

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.

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

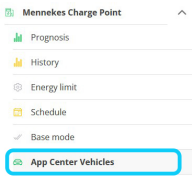
The *PV Surplus with Guaranteed Charging* mode **guarantees a minimum charging status for the vehicle**. If there is sufficient PV surplus, it is used. If there is no PV surplus, the vehicle is charged using grid withdrawal up to the minimum charging power.

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



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 EMS 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:

Symphon-E Service

Service phone: +49 (0) 371 45 85 68 - 100

E-mail service: symphon-e@heckert-solar.com