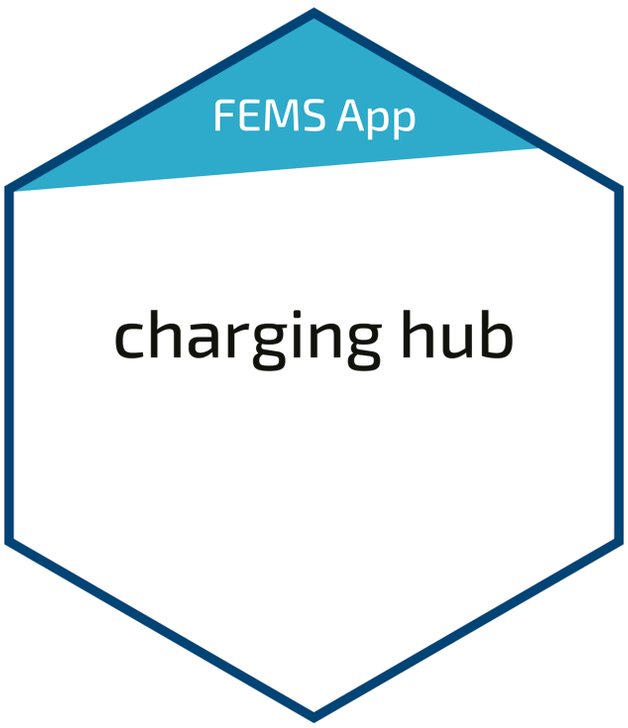

FEMS App Charging Park

Version:2026.4.1

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1. Introduction

Dear customer,

Thank you for choosing the "FEMS App Charging Park". You are welcome to send us your suggestions so that we can further improve the quality of our products.

2. FEMS App Charging Park

The FEMS App Charging Park enables communication with energy management systems that control and monitor EV charging parks. Compatible systems have been tested and can be used at any time in larger e-mobility projects in combination with FENECON systems.

2.1. Advantages of an EV charging park EMS

- Control of a large number of charging points and Hyperchargers from different manufacturers.
- Control of the EV charging park with limited grid connection.
- Postponement of charging processes and price-optimized charging.
- Provision of data for billing charging processes to service providers.

3. Compatibility

FENECON systems	
Industrial S	☑
Industrial M	☑
Industrial L	☑
Industrial XL	☑
Compatible energy management systems	
TMH chargePilot	

Table 1. Compatibility — Systems/EMS with FEMS App Charging Park

4. Installation

Both systems must balance out to the same grid connection point and be configured accordingly. Ideally to the same grid meter, or to two energy meters at the same installation location.

Please refer to the respective installation instructions for the energy storage system and the EV charging park EMS.

5. Functionality

The FEMS App Charging Park visualizes the current charging power in the FENECON Online Monitoring.

The functionality differs depending on the FEMS App used for system control. Individual examples with the basic functions of a FENECON system are listed here.

5.1. FEMS App Self-Consumption Optimization

to the instructions for FEMS App Self-Consumption Optimization

The compatible EV charging park EMS regulates charging stations according to its own settings. As the electrical energy storage system only charges during times of PV surplus, the EV charging park EMS only detects a slight increase in building consumption. If the electrical energy storage system discharges at night, the EV charging park EMS sees Production and does not have to shut down charging stations in case of doubt. No specific settings need to be made. If the FEMS App Time-of-Use Tariff is also installed, the parameter *Maximum grid withdrawal due to storage charging* must be set to the maximum grid connection.

5.2. FEMS App Peak Shaving

to the FEMS App Peak Shaving manual

The exact setting can be found in the instructions for the FEMS App Peak Shaving.
The systems control the grid connection together. The electrical energy storage system steps in before the EV charging park EMS when the consumer load is high and reduces load peaks. If the electrical energy storage system is at a low state of charge, the EV charging park EMS reduces the load peaks.

5.3. FEMS App Multi-Use

for the FEMS App Multi-Use manual

Combined with the FEMS App Multi-Use, particular attention should be paid to the setting of Peak Shaving from the section **Peak Shaving**, if this is present.

6. Contact us

For support, please contact:

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7. Directories

7.1. List of illustrations