



FEMS App Time Slot Peak Shaving

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1. Introduction

1. Introduction

Dear customer,

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

2. FEMS App Time Slot Peak Shaving — Description

The "FEMS App Time Slot Peak Shaving" can be used to reduce grid withdrawal at defined times. The times depend on the working day, season and grid level and are calculated and published individually by distribution network operators. This FEMS App can also be used to display individual settings for system control.



To ensure compliance with the peak load caused at the grid connection point, we recommend installing an independent, individually-configured load management system in addition to the energy storage system, which, for example, intervenes and reduces loads in the event of unplanned, higher loads for which the electrical energy storage system was not designed.

3. Installation of a Time Slot

When you ordered the FEMS App Time Slot Peak Shaving, you received 16-digit license keys. You can use these license keys to redeem the app independently in the FEMS App Center. You can find instructions on the general procedure at [here](#).



- A license key can be used to configure a time slot for scheduled charging and scheduled Peak Shaving.
- With the purchase of FEMS App Time Slot Peak Shaving you will receive 4 license keys. If you need more time slots, please contact us! We will be happy to install additional time slots for you.

Once a license key has been redeemed, begin with the configuration:

Timeslot Peak shaving

Alias*

ESS*

ID of the ESS

Grid-Meter*

ID of the Grid-Meter

INSTALL APP

Timeslot Peak shaving

ess0: Batteriespeicher-Cluster ▼

meter0: meter0 ▼



- Specify a suitable alias immediately when installing the app!
Otherwise, errors may occur if the app is installed multiple times.

- Make sure that **ess0** is selected for *Memory*.
- Make sure that your **grid meter** is selected under *Grid meter*.
- Install the app.

The time set by default is in the past so that the controller does not become active immediately. The [following step](#) is necessary for this.

4. Configuring a time slot

The widget now appears in the live view of the FEMS. Open it by clicking/tapping on it.

Time Slot - Morning	
Measured Value	198.2 kW
Discharge above	10 kW
Charge below	5 kW

An interface for configuring the Peak Shaving Time Slot and the recharging time slot appears.

Time Slot - Morning		
Discharge above	W	10000
Charge below	W	5000
Start date	23.07.2025	
End date	31.12.2025	
Start time	07:15	
End time	12:00	
Recharge Power	W	0
Charge Start time	13:00	
Mon☒ Tue☒ Wed☒ Thu☒ Fri☒ Sat☒ Sun☒		

The threshold values *Discharge above* and *Charging below* can be set in the same way as normal Peak Shaving. They define the power value at the grid connection point from which the electrical energy storage should discharge or charge. The function is limited in time by parameterizing a time slot. This ensures a time limit for Peak Shaving within the time slot.

5. Installation & configuration of additional Time Slots

For re-charging the energy storage system outside the time slot, please select the time that suits your requirements. Also set a charging power that defines a sufficient SoC for Peak Shaving.

5. Installation & configuration of additional Time Slots

If you want to configure additional time slots, repeat the [two previous steps](#). Here is an example of a second "Time Slot Peak Shaving Q1 in the afternoon".

After redeeming the license key, configure again:

Timeslot Peak shaving

Alias*

Time Slot - Afternoon

ESS*

ess0: Batteriespeicher-Cluster ▼

ID of the ESS

Grid-Meter*

meter0: meter0 ▼

ID of the Grid-Meter

UPDATE APP

UNINSTALL APP



- Specify a suitable alias immediately when installing the app! Otherwise, errors may occur if the app is installed multiple times. (Here "Time Slot Peak Shaving Q1 in the afternoon").

- Make sure that **ess0** is selected for *Memory*.
- Make sure that your **grid meter** is selected under *Grid meter*.
- Install the app.

You should now see a second time slot with a corresponding alias:

Time Slot - Morning	Time Slot - Afternoon
Measured Value	Measured Value
Discharge above	Discharge above
Charge below	Charge below
198.7 kW	198.7 kW
10 kW	10 kW
5 kW	5 kW

Now set the times of the grid operator and the threshold for Peak Shaving in the corresponding widget for the second time slot of the quarter.

Time Slot - Afternoon

Measured Value

205,166 W

Discharge above

W

10000

Charge below

W

5000

Start date

23.07.2025

End date

31.12.2025

Start time

16:30

End time

19:15

Recharge Power

W

0

Charge Start time

16:00

You can define another period for charging. Ensure that both *Charging Start times* are outside both Peak Shaving Time Slots!

If you do not want to set another charging time, enter **0 watts** for *Recharge power* and make sure that the period is outside the *Start time to End time*.

6. Contact us

6. Contact us

For support, please contact:

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7. Directories

7.1. List of illustrations