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FEMS App Production and Consumption Meter

Version:2023.4.1

Table of Contents

1. Introduction

Dear customer,

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

2. Prerequisites

To use the "FEMS App Production and Consumption Meter", a EMS-supported meter is required.

Devices from the following manufacturers are currently supported:

- SOCOMEC
  - COUNTIS E14
  - COUNTIS E23
  - COUNTIS E24
  - COUNTIS E44
  - DIRIS A-10
  - DIRIS A-14
  - DIRIS B-30
- Janitza
  - UMG 96RM-E network analyzer
  - UMG 604-PRO network analyzer
  - UMG 511 power quality analyzer
  - UMG 512-PRO power quality analyzer
- Carlo Gavazzi
  - EM330
  - EM340
- KDK
  - 2PU CT

3. Installing the app

When you ordered the "FEMS App Production and Consumption Meter", you received a 16-digit license key. You can use this license key to redeem the app independently in the EMS App Center.

Find instructions on how to proceed here.

4. FEMS App Production and Consumption Meter

The integration of electrical generators, consumer loads, PV inverters and the grid connection meter via an additional meter allows those components to be integrated into energy management and Online Monitoring.

You can use the "FEMS App Production and Consumption Meter" to integrate a meter as a production and consumption meter.

As soon as the app has been activated on your system, you will see different widgets in your monitoring depending on how the meter is used:

4.1. Use as an electricity generation meter

If the meter was integrated to record an AC generator (e. g. PV inverter), you will see the following widget:

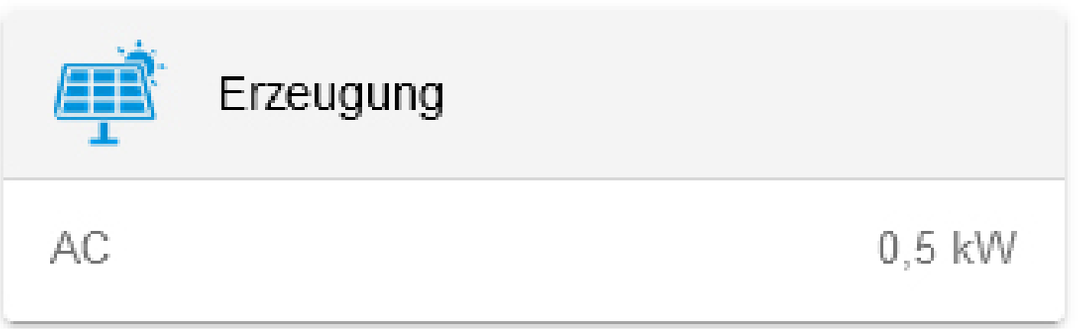

Figure 1. Widget

Click on the widget to open the detailed view of the app:

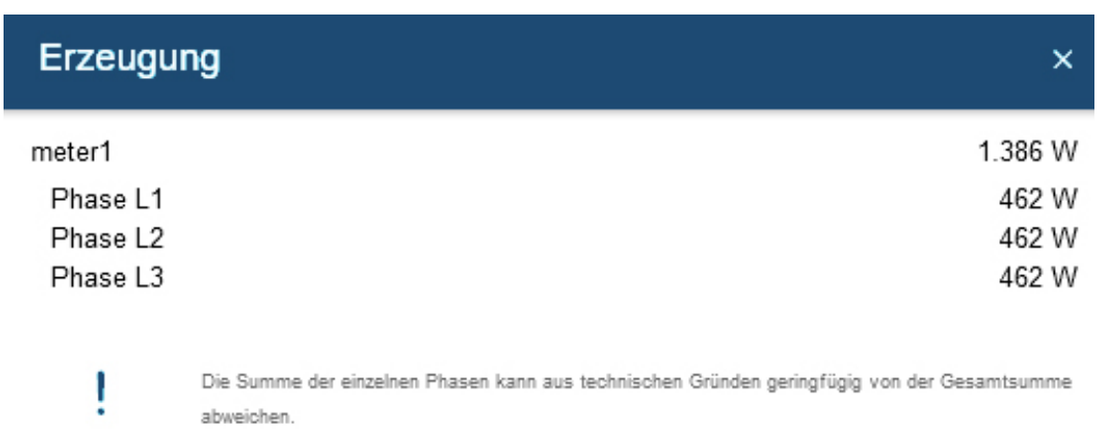

Figure 2. Detailed view

The power per phase is also displayed here.

The sum of the individual phases may differ slightly from the total sum for technical reasons.

You can view the generation over time via the "History" tab in Online Monitoring:

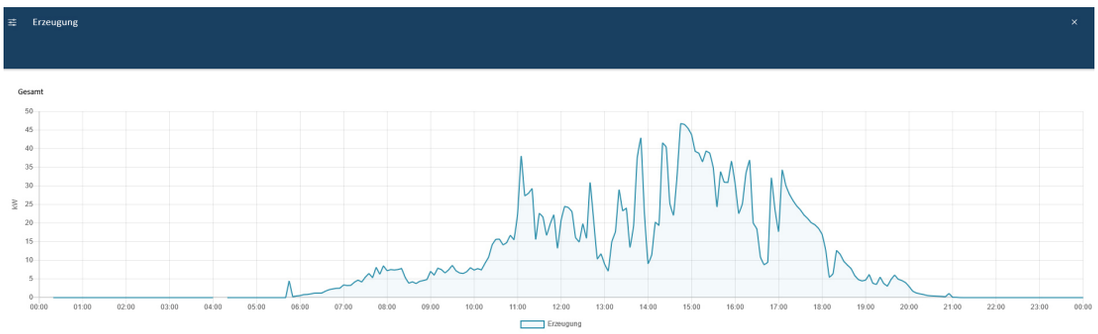

Figure 3. History

You can use the button at the top left to activate the view of generation per phase:

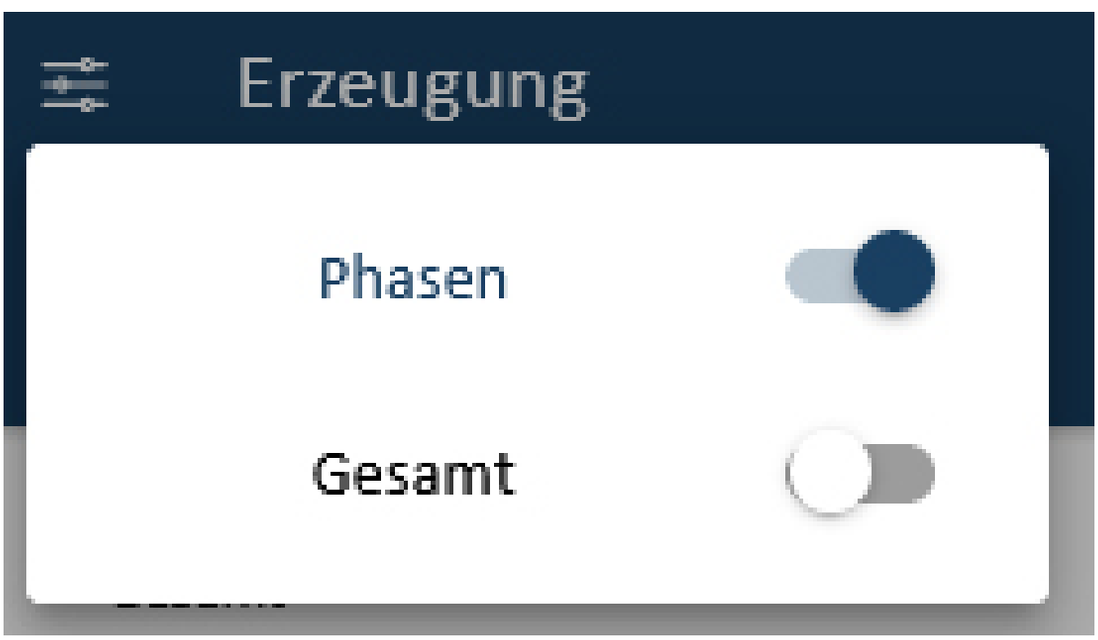

Figure 4. Activation of the view for generation per phase

The generator is then displayed over time per phase

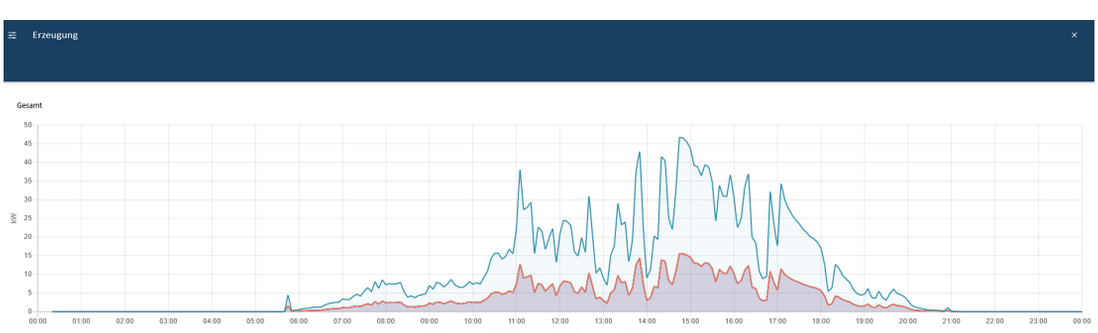

Figure 5. History per phase

4.2. Use as a consumption meter

When used as a consumption meter, you will see the following widget:

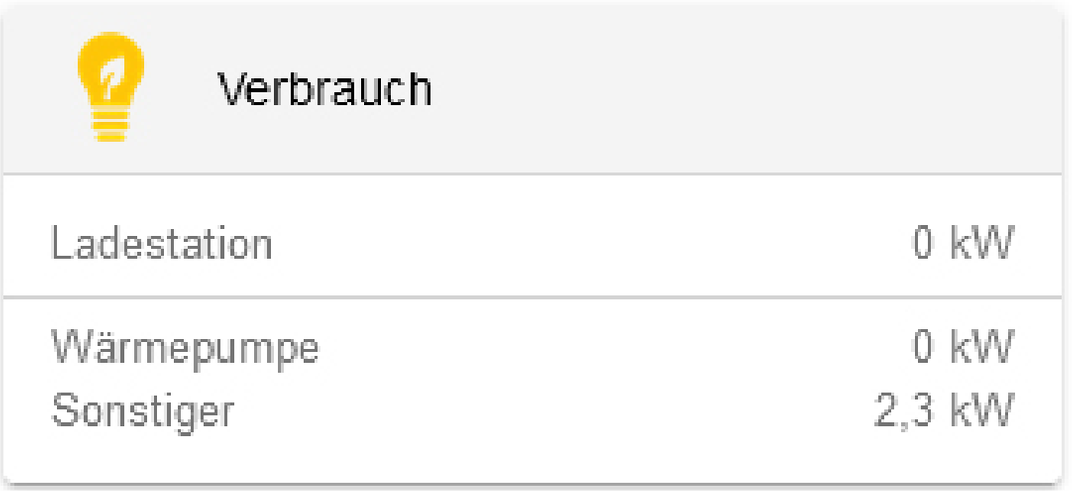

Figure 6. Use as a consumption meter

In the example above, a meter was used as a consumption meter for the heat pump.

Click on the widget to open the detailed view of the app:

Figure 7. Detailed view of consumption meter

In contrast to the charging station and heat pump, total consumption is calculated and not measured directly.

You can view the respective consumption of the device over time via the "History" tab in Online Monitoring:

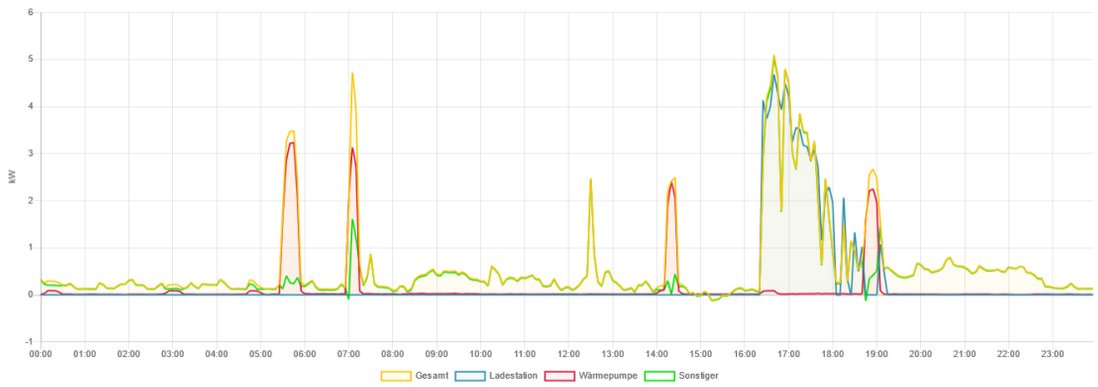

Figure 8. History — Consumption meter

Figure 9. History — Consumption meter — Heat pump

5. Contact

For support, please contact:

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6. Directories

6.1. List of illustrations