

FEMS App PV Inverter

Version:2023.4.1

FENECON

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1. Introduction

1. Introduction

Dear customer,

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

2. Prerequisites

An inverter supported by FEMS is required to use the "FEMS App PV Inverter".

Devices from the following manufacturers are currently supported:

- KACO
 - TL3 series
 - blueplanet 3.0 TL3 10.0 TL3
 - blueplanet 15.0 TL3 + 20.0 TL3
 - blueplanet 29.0 TL3 LV
 - blueplanet 50.0 TL3
 - blueplanet 60.0 TL3
 - blueplanet 87.0 TL3 125 TL3
 - blueplanet 125 TL3 165 TL3
 - NX3 M2 Series
 - [blueplanet 3.0 NX3 M2 20.0 NX3 M2]



Due to connection problems with the blueplanet 3.0 NX3 M2 - 20.0 NX3 M2 model caused by the current KACO firmware, we are currently unable to recommend communicative integration via the FEMS PV inverter app. Instead, we recommend integration via a dedicated meter using the FEMS meter package [FEM112].

- SMA
 - $\,\circ\,$ SMA SUNNY BOY 1.5 / 2.0 / 2.5
 - ° SMA SUNNY BOY 3.0 / 3.6 / 4.0 / 5.0 / 6.0
 - SMA SUNNY TRIPOWER 3.0 / 4.0 / 5.0 / 6.0
 - SMA SUNNY TRIPOWER 8.0 / 10.0
 - SMA SUNNY TRIPOWER 15000TL/20000TL/25000TL
 - SMA SUNNY HIGHPOWER PEAK3
 - SMA SUNNY TRIPOWER CORE1
- Kostal



- https://www.kostal-solar-electric.com/en-gb/products/solar-inverter/plenticore-plus/ [PLENTICORE plus
 3.0 10.0] [only as PV inverter]
- ° PIKO IQ 3.0 10.0
- PIKO CI 30 60

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- Fronius
 - https://www.fronius.com/de-at/austria/solarenergie/installateure-partner/technische-daten/alleprodukte/wechselrichter/fronius-symo-gen24-plus/fronius-symo-gen24-10-0-plus [Fronius Symo GEN24 Plus 3.0 - 10.0 kW] [only as PV inverter]
 - https://www.fronius.com/de/solarenergie/installateure-partner/technische-daten/alle-produkte/ wechselrichter/fronius-symo/fronius-symo-3-0-3-m [Fronius Symo 3.0 - 20.0 kW]
- SolarEdge
 - All SolarEdge inverters with *SetApp* configuration
 - Single-phase inverter:
 - SE2200H
 - SE3000H
 - SE3500H
 - SE3680H
 - SE4000H
 - SE5000H
 - Three-phase inverter:
 - SE3K SE10K
 - SE12.5K SE33.5K
 - All SolarEdge inverters with LCD and firmware > 3.xxxx

3. Installing the app

When you ordered the "FEMS App PV Inverter", you received a 16-digit license key. You can use this license key to redeem the app independently in the FEMS App Center.

Find instructions on how to proceed here.

4. FEMS App PV Inverter

The "FEMS App PV Inverter" allows the integration of an additional PV inverter into the energy management and Online Monitoring.

As soon as the app has been installed on your system, you will see this widget in your monitoring:

Ē	Production	
AC		1.2 kW

Figure 1. Widget

In the example above, the alias "AC" was assigned to the PV inverter.

Click on the widget to open the detailed view:

Production	×
meter1	1,386 W
Phase L1	462 W
Phase L2	462 W
Phase L3	462 W

For technical reasons, the sum of individual phases may slicghtly deviate trom the total sum.

Figure 2. Detailed view

For three-phase PV inverters, the power per phase is 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 generation over time per phase is then displayed for three-phase PV inverters



Figure 5. History per phase

The widget in the history displays the energy generated in kWh for the selected period.



Figure 6. Historie — Widget



5. Contact

For support, please contact:

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Phone — Service: +49 (0) 9903 6280 0 E-Mail — Service: service@fenecon.de

6. Directories

6.1. List of illustrations

Figure 1. Widget

Figure 2. Detailed view

Figure 3. History

Figure 4. Activation of the view for generation per phase

Figure 5. History per phase

Figure 6. Historie — Widget