# Quick Installation Guide
## Commercial 50

V2023.08

# System Structure Diagram
## Standard

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Grid meter

Current transformer at grid connection point

Voltage tap GCP

Consumer

5G35

min. B10

RCD 100/0,3A (optional)

NH 100A

Supply FEMS 3G1,5

Meter at GCP

Current transformer at producer

Genertor voltage tap

Battery inverter

AC generator meter

PV inverter

FEMS box

Battery rack

- ■ 400V/230V Grid
- ■ 2x35 DC High Voltage
- ■ RS485 Bus
- ■ LAN (Ethernet CAT 6)
- ■ 2x 0,75 LYCY
- ■ Measuring lead transducer

Operator Network

Single-phased representation, not drawn to scale.

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# System Structure Diagram
## in case of submaster BMS installation

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Consumer

RCD 100/0,3A (optional)

5G35

NH 100A

Battery inverter

Battery string combiner box
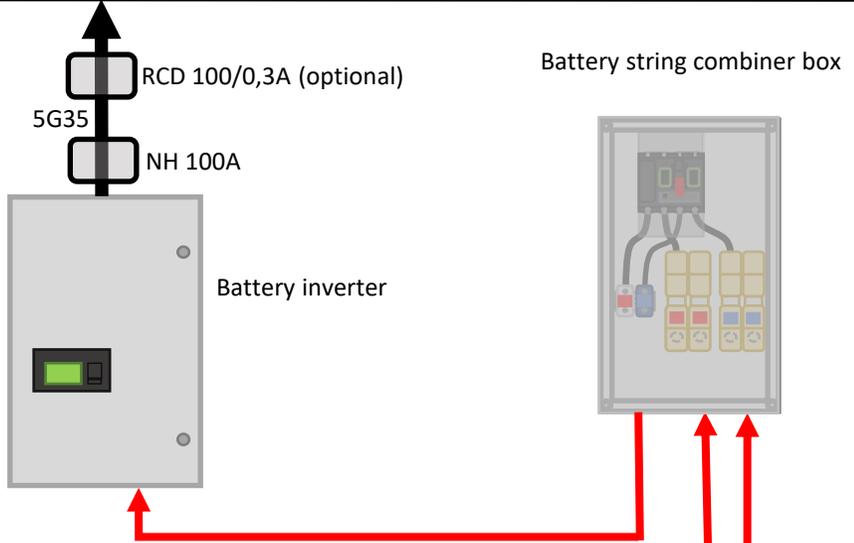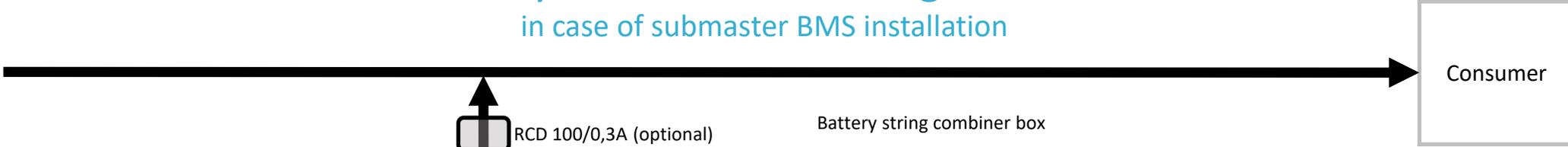
The left part (meter, PV inverter and FEMS box + connection FEMS box to inverter and master BMS) is the same as the standard system layout diagram!
*(see previous page – p. 2)*

Battery racks

Battery racks
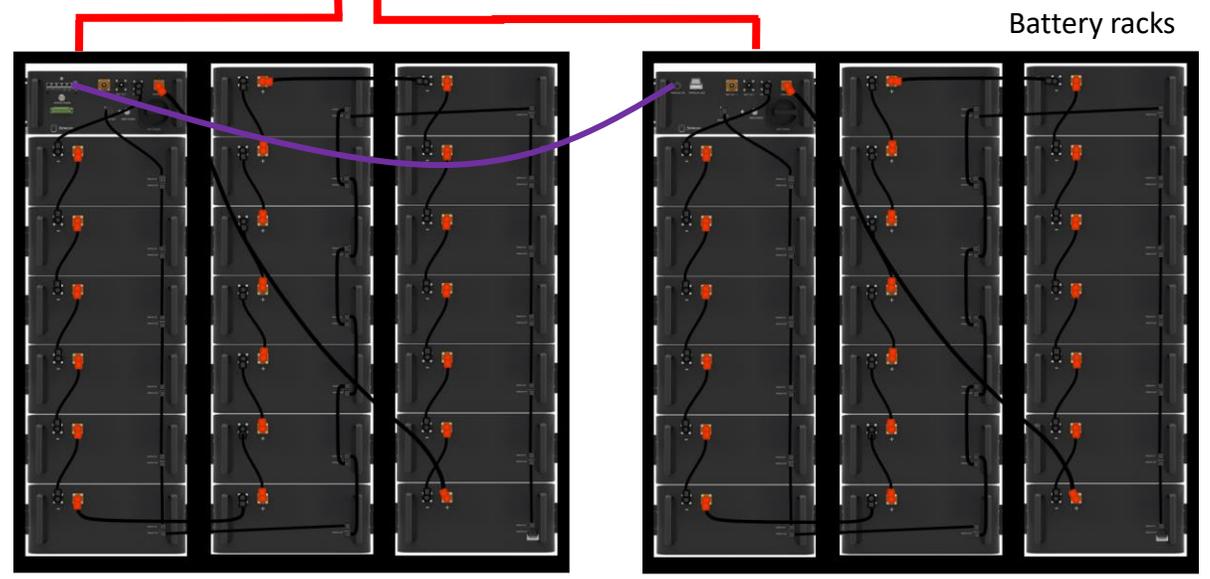
— 400V/230V Grid

— 2x35 DC High Voltage

— LAN (Ethernet CAT 6)

Single-phased representation, not drawn to scale.

# System Structure Diagram
## in case of mutiple inverter installation

The left part (meter and PV inverter) is the same as the standard system layout diagram!
*(p. 2)*

Consumer

5G35

5G35

RCD 100/0,3A (optional)

RCD 100/0,3A (optional)

NH 100A

NH 100A

Battery inverter

FEMS box

Battery racks

- ■ 400V/230V Grid
- ■ 2x35 DC High Voltage
- ■ LAN (Ethernet CAT 6)
- ■ 2x 0,75 LYCY

Single-phased representation, not drawn to scale.

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# System Structure Diagram
## in case of mutiple inverter installation

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Battery inverter

Battery inverter

FEMS box

Battery racks

- **400V/230V Grid**
- **2x35 DC High Voltage**
- **LAN (Ethernet CAT 6)**
- **2x 0,75 LYCY**

Single-phased representation, not drawn to scale.

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The battery storage system is used to store electrical energy in rechargeable lithium battery modules (charging) and to provide electrical energy (discharging). This charging and discharging process is performed by a connected inverter. All processes of the power storage system are monitored and controlled by the FEMS

⚠ **WARNUNG**

The equipment may only be used in compliance with the permissible technical data. The installation and maintenance of the equipment may only be carried out by qualified personnel. These quick installation instructions do not replace the installation instructions. The installation instructions must be read and understood before installation.

**Note**

Not all possible system configurations are shown in this quick installation guide. These can be found on our website in the download center.

Before assembly, note or photograph the **serial numbers** of the individual components, as these must be documented later at the IBN (in the IBN log or IBN assistant).

# Assembly KACO inverter

**1** Conditions for installation

The KACO inverter of the Commercial 50 is designed for outdoor and indoor use. In general, when selecting the installation location, pay attention to the protection class, which corresponds to **IP65** for the inverter.

**Spacing:**

| | |
|---|---|
| Above the inverter: | 300 mm |
| Below the inverter : | 500 mm |
| In front of the inverter : | 550 mm |
| Lateral (left/right) of the inverter: | 400 mm |

| | |
|---|---|
| Weight of inverter : | 75 kg |
| Dimensions inverter (W\|D\|H): | 500\|760\|425 mm |

At least 2 people are needed to mount the inverter and the housing!

300 mm

400 mm

400 mm

500 mm
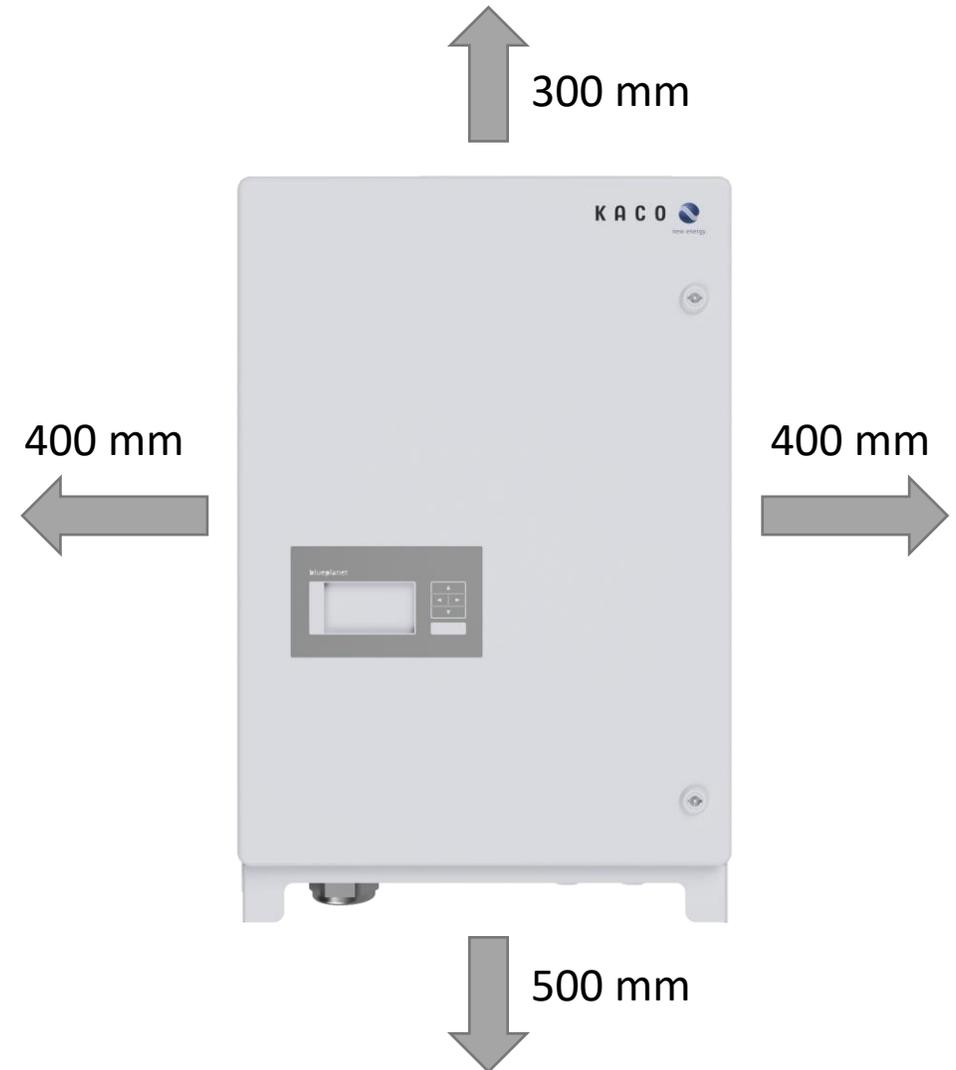
**2** Installation: Wall mount inverter

1. Unpack the inverter - remove the packing material inside the cardboard box

2. Mark the position for mounting on the wall

3. Mark the position of the drill holes using the recesses in the mount

4. Fasten the wall mount upright to the wall using suitable fastening material (note alignment)

Fastening material included in the scope of delivery!
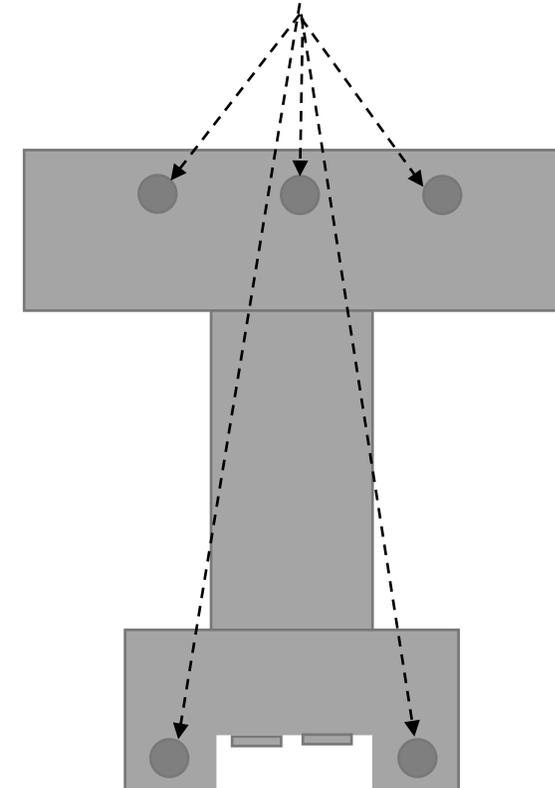
**3** Installation: Inverter

Always lift the inverter using the handles on the side.
> Never lift by using the lid or the cover

Hook the device into the holder via the housing recess on the rear side

Note: lower marking on the housing must stand out over the upper outer contour of the holder
> outer contour of holder must be flush with outer contour of housing

# Assembly FEMS Box

| | |
|---|---|
| Operating temperature: | -20°C to 45°C |
| IP protection classification: | IP65 |
| Dimensions (W\|D\|H): | 315\|155\|450 mm |
| Weight: | 4 kg |

1. Hold the FEMS box at the desired position on the wall
2. Mark the position of the FEMS box on the wall using the cutouts for drill holes
3. Mount the box on the wall using suitable fastening material (use a spirit level for help)

Mounting material is not included in the scope of delivery.
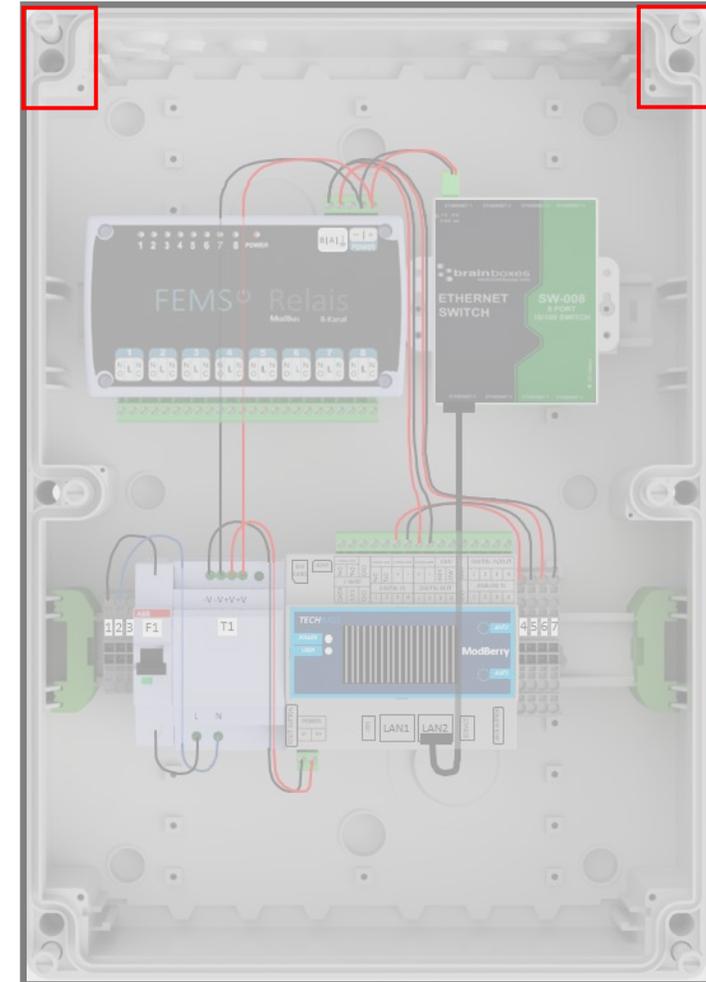
# Assembly Battery String Combiner Box

## For use cases in which a submaster BMS is installed

Whether the battery string combiner box is included within the scope of delivery depends on the purchased variant/size of the Commercial 50
> this is the case if a submaster BMS is installed

| | |
|---|---|
| IP protection classification: | IP66 |
| Dimensions (W\|D\|H): | 400\|200\|600 mm |
| Weight: | 15 kg |

1. Hold the battery string combiner box at the desired position on the wall

2. Mark the position of the battery string combiner box on the wall using the cutouts for drill holes

3. Mount the battery string combiner box on the wall using suitable fastening material (use a spirit level for help)

Mounting material is not included in the scope of delivery.
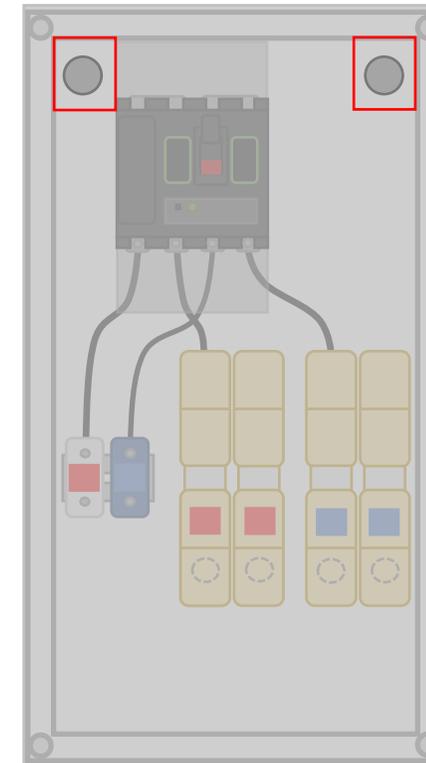


*Representation may differ from the received product

# Assembly Battery Rack

**1** Installation conditions

The battery rack with the battery modules and the BMS is designed for indoor use. In general, when choosing the installation location, pay attention to the protection class, which corresponds to **IP21.**

*Outdoor rack can be purchased for outdoor installation (see following page).*

The battery rack shall be installed in front of a wall on solid and level ground.

A distance of 500 mm must be maintained in front of the battery rack.

Weight small rack:                                40 kg
Dimensions (W|D|H) small rack :        625|430|1,471 mm

At least 2 people are required to assemble the battery racks.
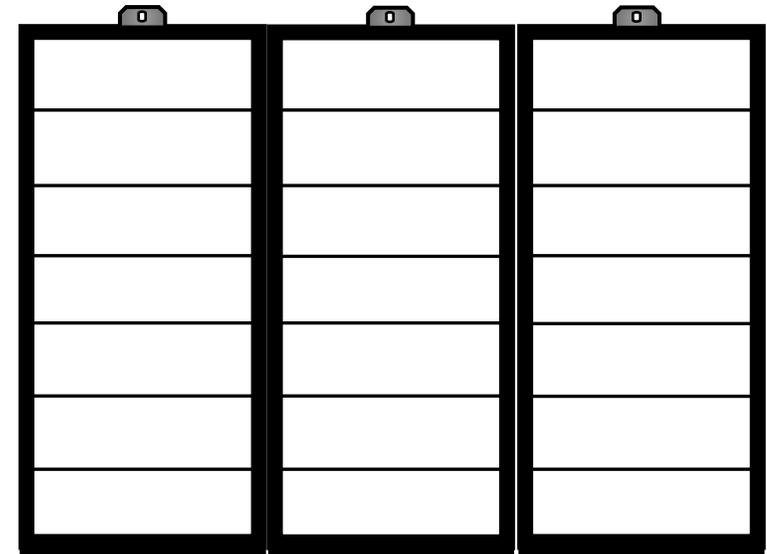
## 2 | Outdoor rack

| | |
|---|---|
| Ambient temperature: | -35°C – 55°C |
| IP protection classification : | IP55 |
| Dimensions (W|D|H): | 2,100|750|1,850 mm |
| Weight: | 425 kg |

More detailed information on the outdoor rack, with regard to assembly and installation, can be found in the separate instructions. These can be found on our website in the download center.

# Assembly Battery Rack

**3** Installation Battery rack + Equipotential bonding

The required fastening material is in the accessories box.

Mount the rack to the wall
> if possible, with the mounting bracket at the top of the rack.
Mounting material (screws and dowels/anchors) is
included in the scope of delivery

Ensure that the racks are provided with equipotential bonding

> At least 10 mm2 cable (not included in the scope of delivery).
> fastening material (hexagon nut, washer, spring lockwasher, external serrated lock washer and ring cable lug) for grounding bolt included in scope of delivery

Multiple battery racks are grounded to each other with a flat grounding conductor!
> included in the scope of delivery

Equipotential bonding

Earthing pin

Equipotential bonding

# Assembly Battery Rack
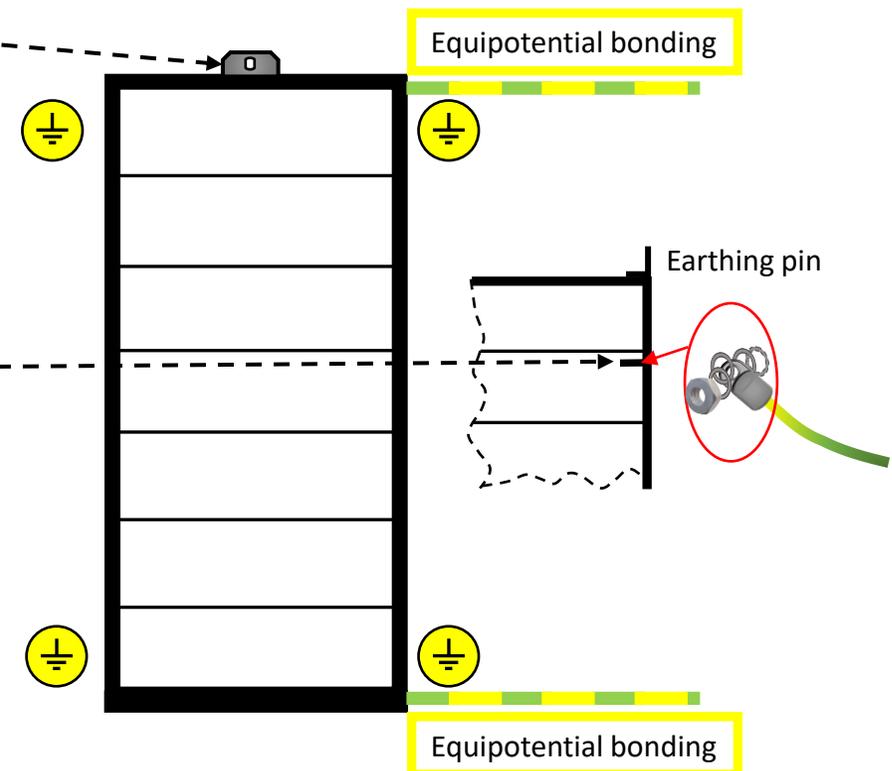
**4** Information concerning BMS + Module



**Master BMS**
| | |
|---|---|
| Dimensions (W\|D\|H): | 180 x 465 x 320 mm |
| Weight: | 13.5 kg |



**Submaster BMS**
| | |
|---|---|
| Dimensions (W\|D\|H): | 180 x 465 x 320 mm |
| Weight: | 12 kg |
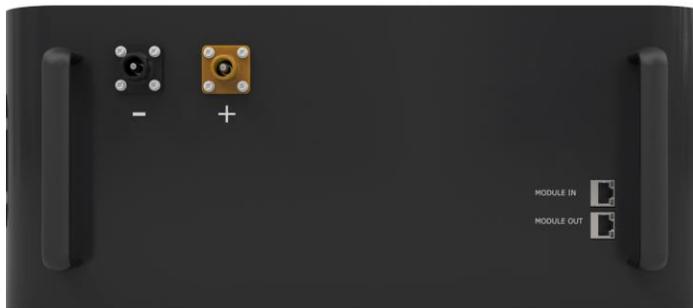


**Battery Module**
| | |
|---|---|
| Dimensions (W\|D\|H): | 194 x 465 x 380 mm |
| Weight: | 37.5 kg |

# Assembly Battery Rack

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**5** Battery modules + BMS placement

1. Remove the packaging material in the cardboard boxes of the battery modules and BMS to be able to take them out
2. Place the BMS box at the very top (above the modules) in the rack.
3. Then slide the individual modules below the BMS box one after the other into the rack.

When placing the battery modules no numbering must be taken into account

For a single string (= 1 BMS), a master BMS is used.

For a DC cluster (= several BMS/strings on one inverter + string collection box), a master BMS and a submaster BMS are used.

In an AC cluster (= several BMS/strings with several inverters), one master BMS is used per inverter.

**6** Mounting modules + BMS

The required mounting material is located in the accessories box by the cable kit.

1. Fasten the individual modules + BMS
   > Fastening material included in the scope of delivery.
2. Make sure that the individual modules + BMS are grounded
   > Make sure to use the serrated serrated lock washers/contact washers included in the scope of delivery (serration is located on the mounting bracket)

   → Remove the protective caps from the DC connectors. Keep them for possible disassembly.

# Wiring within the Rack

**1** Hints for wiring the battery racks

> Make sure that the plugs **snap audibly** into place when wiring the DC lines

> Unlocking is possible on the side of the plug

# Wiring within the Rack
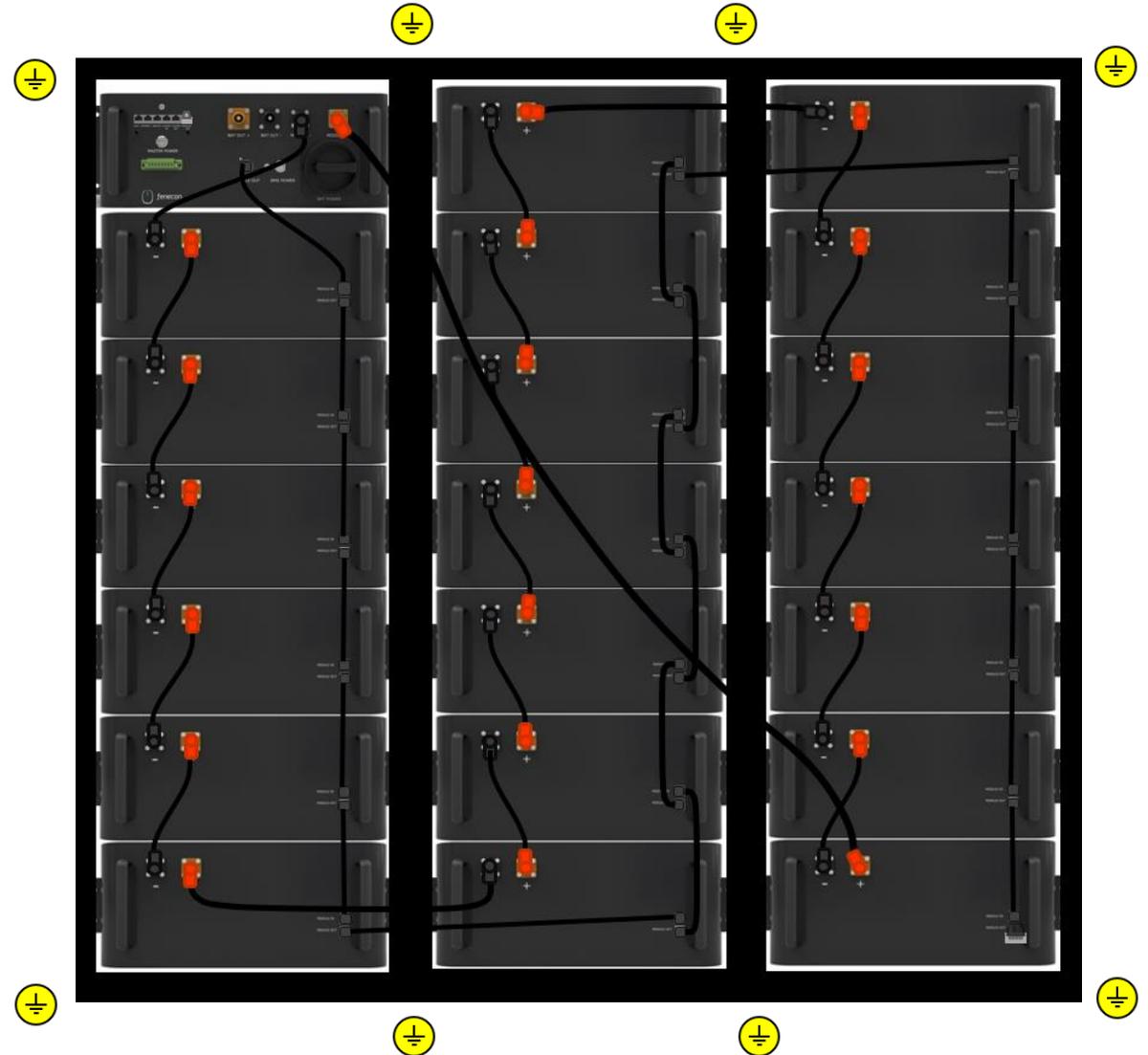
**2** Wiring: Master BMS + first Battery module

The resistor, the DC cable 410 mm and the communication cable 410 mm are in the box of the master BMS box

To the last battery module of the string connection „ – "

Resistor gray for plugging into the "PARALLEL OUT" connector in the master BMS
(only required here **if no submaster BMS box** is installed)

DC-cable black 410 mm - 25 mm²
Connector black/black for connection from master BMS port "MODULE -" to module 1 (first module below BMS box) port " - "

Communication cable 410 mmRJ45 connectors for connection from master BMS Connection "MODULE OUT" to battery module 1 (first module below the BMS box) "MODULE IN" connection

# Wiring within the Rack

**3** Wiring: Battery modules

In the box of each battery module there is a DC cable 250 mm and a communication cable 300 mm.

DC cable black 250 mm - 25 mm². Connector orange/black for connection between battery modules from terminal " + " to " - ".

Communication cable 300 mm
RJ45 connectors for connection between battery modules from "MODULE OUT" connector to "MODULE IN".
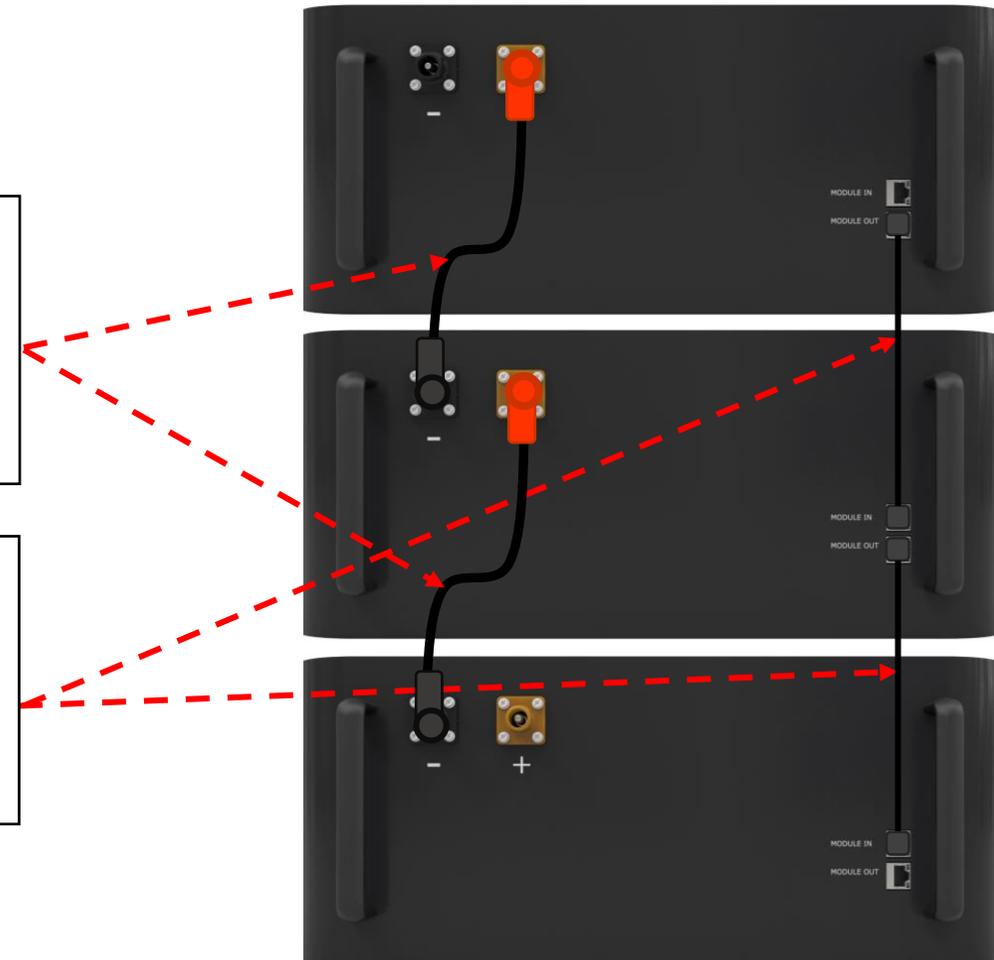
**4** Wiring: Overview with master BMS and modules

The 950 mm communication cable, the 1000 mm and 2400 mm DC cable are in a cable bag of the accessories box. The 120 Ohm terminating resistor (black) is in the Master BMS box.



Resistor grey for BMS

BMS

Module 1

Module 2

Module 13

Module 14

Module 6

Module 7

Module 20

MODULE OUT

to Module 20

Between module 7 -13

Between module 14 - 20

MODULE IN

to BMS MODULE +

Between module 2 - 10

MODULE IN

MODULE OUT

MODULE IN

MODULE OUT

**Last module of the string**

DC cable black 2400 mm - 25 mm². Connector orange/orange to connect BMS "MODULE +" to the last battery module of the string " + ".

120 Ohm end resistor black
To be plugged into the port "MODULE OUT" at the last battery module of the string

DC cable black 1000 mm - 25 mm². Connector orange/black for connection between battery modules from " + " to " - ".
> for connection of several racks (from the first to the second > bottom, from the second to the third > top)

Communication cable 950 mm
RJ45 ports for connection between battery modules from "MODULE OUT" to "MODULE IN".
> for connection of several racks (from the first to the second > bottom, from the second to the third > top)

**5** Wiring: Submaster BMS + first battery module

The DC cable 410 mm and the communication cable 410 mm are in the box of the submaster BMS box.

The resistor is in the box of the master BMS box.

To last battery module of the string port " + "

Resistor gray for plugging into the "PARALLEL OUT" connector in the submaster BMS

DC-cable black 410 mm - 25 mm²
Connector black/black for connection from master BMS port "MODULE -" to module 1 (first module below BMS box) port " - "

Kommunikationskabel 410 mm
RJ45 Anschlüsse zur Verbindung vom Master BMS Anschluss „MODULE OUT" zum Batteriemodul 1 (erstes Modul unterhalb der BMS-Box) „MODULE IN"

## 6 Wiring: Overview with submaster BMS and modules

The 950 mm communication cable, the 1000 mm and 2400 mm DC cable are in a cable bag of the accessories box. The 120 Ohm terminating resistor (black) is in the master BMS box.

Resistor grey for BMS

BMS

Module 1

Module 2

Module 13

Module 14

MODULE OUT

MODULE IN

to Module 20

Between module 7 -13

Between module 14 - 20

Between module 2 - 6

MODULE IN

MODULE OUT

to BMS MODULE +

MODULE IN

MODULE OUT

Module 6

Module 7

Module 20

**Last module of the string**

DC cable black 2400 mm - 25 mm². Connector orange/orange to connect BMS "MODULE +" to the last battery module of the string " + ".

120 Ohm end resistor black
To be plugged into the port "MODULE OUT" at the last battery module of the string

DC cable black 1000 mm - 25 mm². Connector orange/black for connection between battery modules from " + " to " - ".
> for connection of several racks (from the first to the second > bottom, from the second to the third > top)

Communication cable 950 mm
RJ45 ports for connection between battery modules from "MODULE OUT" to "MODULE IN".
> for connection of several racks (from the first to the second > bottom, from the second to the third > top)

# Wiring within the Rack
## in case a submaster BMS is installed

**7** Connection Master BMS and Submaster BMS

Communication cable (5 meter) is included in scope of delivery.

Resistor
gray into PARALLEL OUT
port on submaster BMS

Communication Ethernet:
To connect rack 1 Master BMS port PARALLEL OUT to
Submaster BMS port PARALLEL IN.

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# Wiring FEMS box

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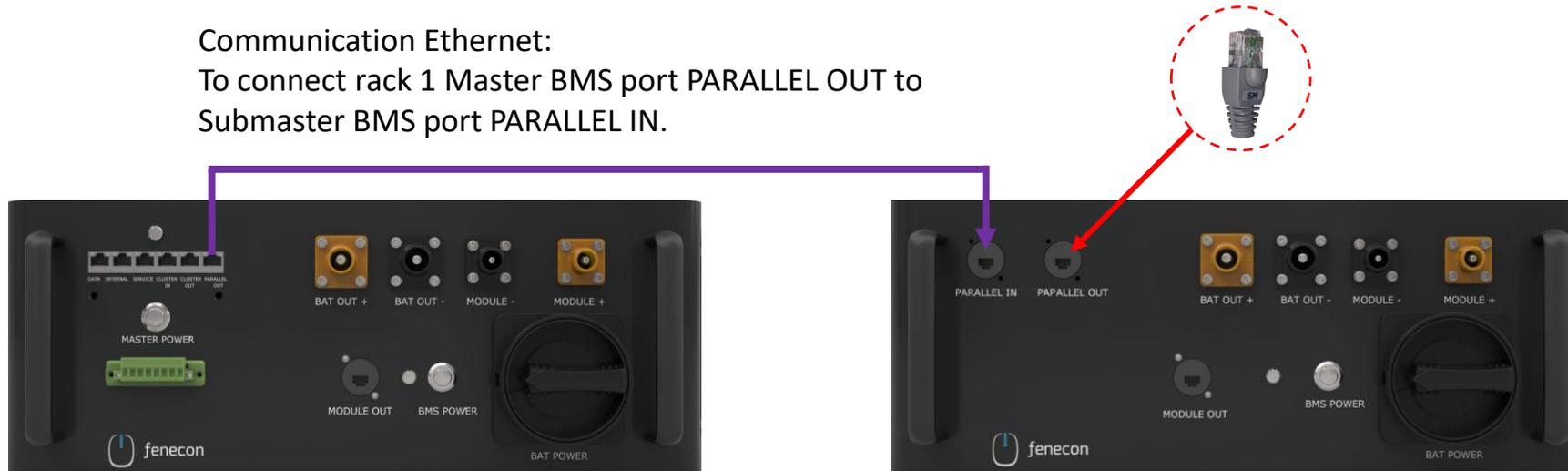
Cables for connection with BMS and inverter are included in the scope of delivery.

| | |
|---|---|
| 1 | Connection to master BMS (to the "INTERNAL" port) |
| 2 | Connection to master BMS (to the 8-pin connector - pins 3 and 4) |
| * | Further master BMSs are connected to the following relay ports in the same way as masters 1, 2 and 3 |
| **3** | **Communication to meter** **(see separate instructions for installation and configuration of the meter)** |
| 4 | Communication to inverter (LAN/Ethernet - RJ45) |
| **5** | **Connection to operator network** **(LAN – RJ45 – not included in delivery)** |
| **6** | **Supply FEMS (e.g. NYM-I 3x1,5 mm² –** **AC connection cable not included in delivery)** |
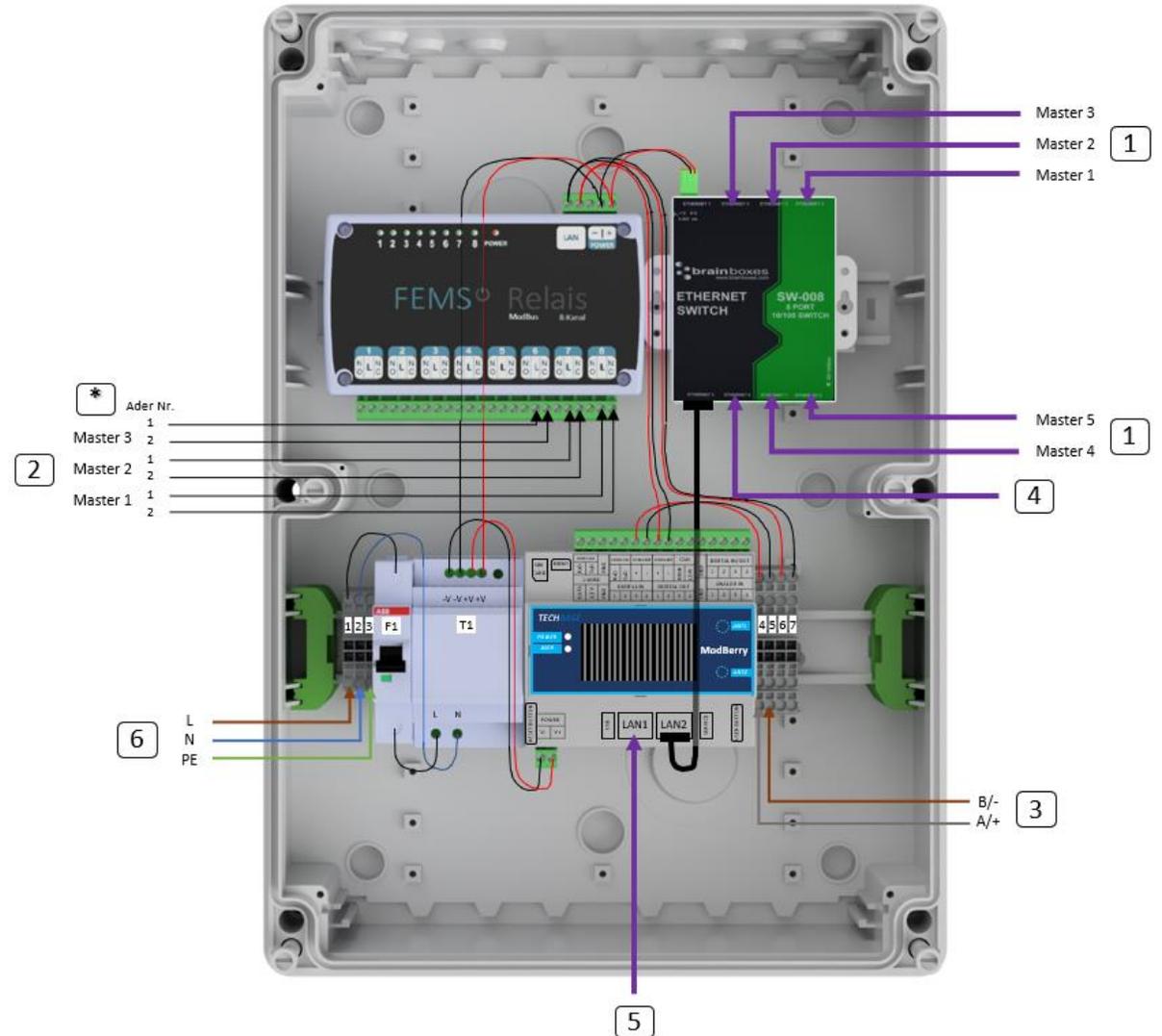
# Connection FEMS box with Master BMS

From master BMS port "INTERNAL" to FEMS connection box switch port "Ethernet 2, 3 and 4".



Pin 3 + 4

To the master BMS box - 8-pin connector: Pin 4 - Wire no. 1 of FEMS connection box Relay board connection 8 - Pin L To master BMS box - 8-pin connector: Pin 3 - Wire no. 2 of FEMS connection box Relay board connection 8 - Pin NC

# Connection FEMS box with Master BMS

To the connection "Ethernet 4 (3, 2)" at the switch in the FEMS connection box

**Pin 3 (Wire No. 2)**   **Pin 4 (Wire No. 1)**
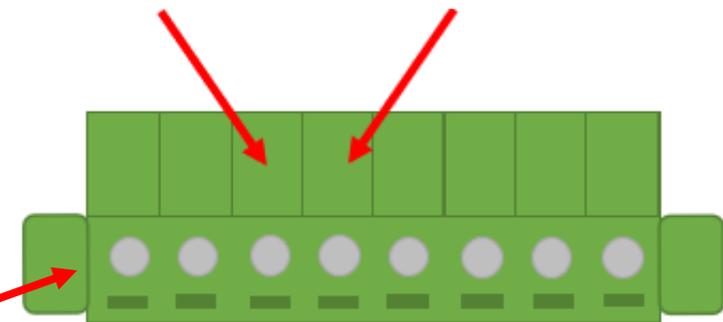
To the relay board in the FEMS connection box

Connection:   **NC   L**

Wire No.:   **2   1**

# Wiring of KACO Inverter



In case of a separate PE and N connection, the PEN jumper must be removed.

1. Loosen the screws

2. Remove cover

3. Loosen screws

4. Remove PEN bridge

5. Fasten the cover again with the screws

L1 L2 L3 PEN/N
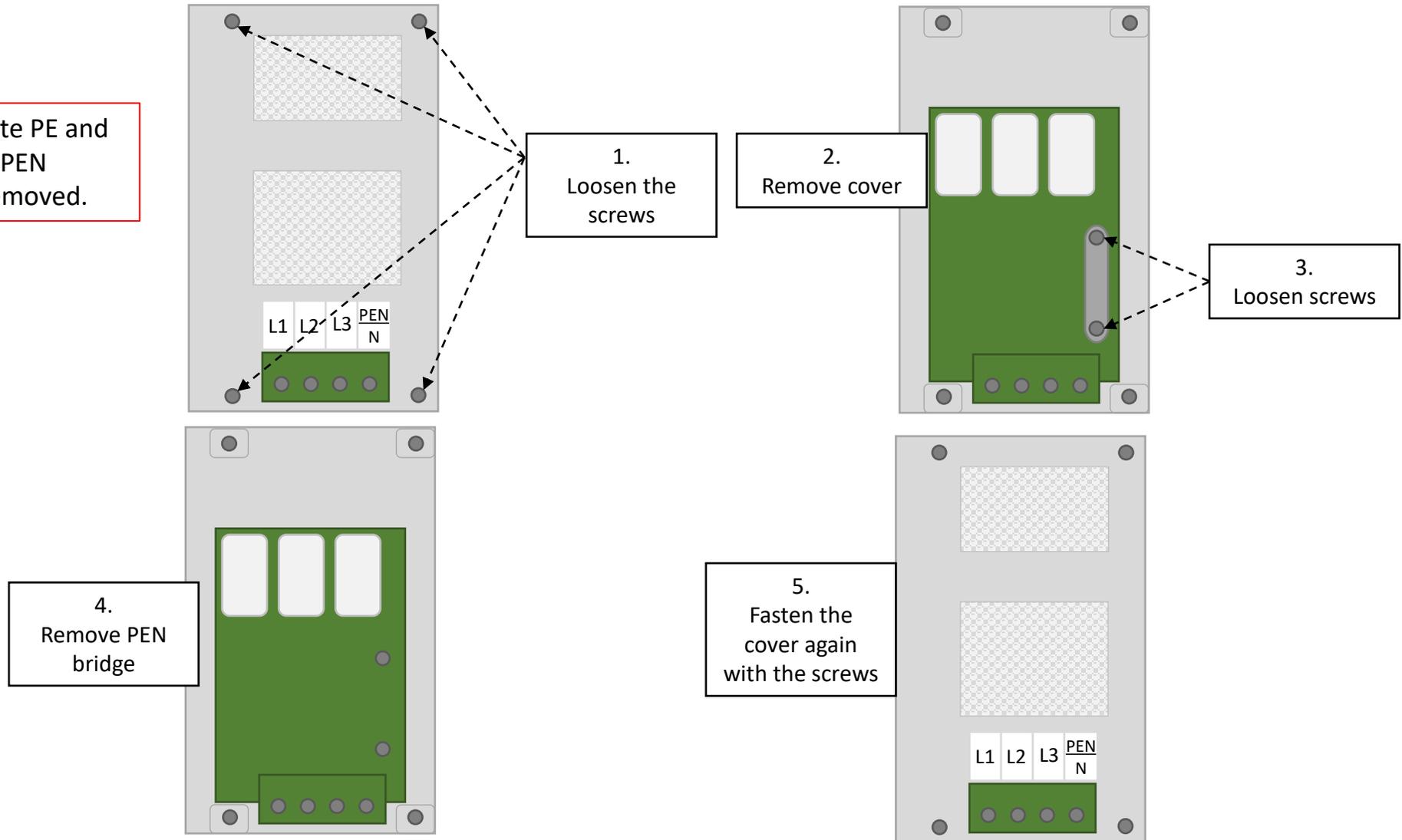
# Wiring of KACO Inverter

## Overview
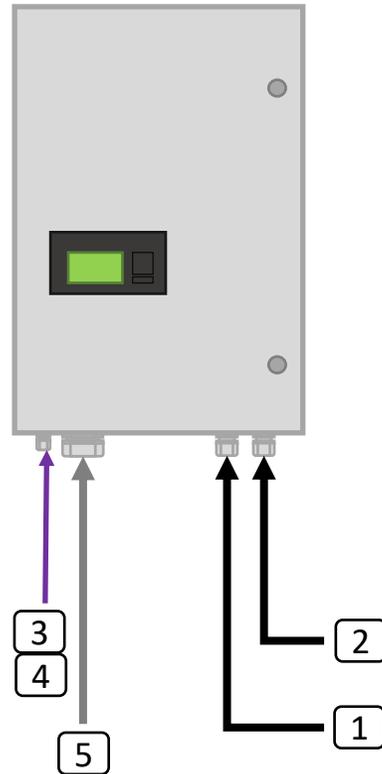
1. Cut off DC cable end to required length
2. Mark DC cable end (pay attention to polarity)
3. Press on ring cable lugs 35 mm² M10

Ring cable lugs for AC mains connection are included in the scope of delivery
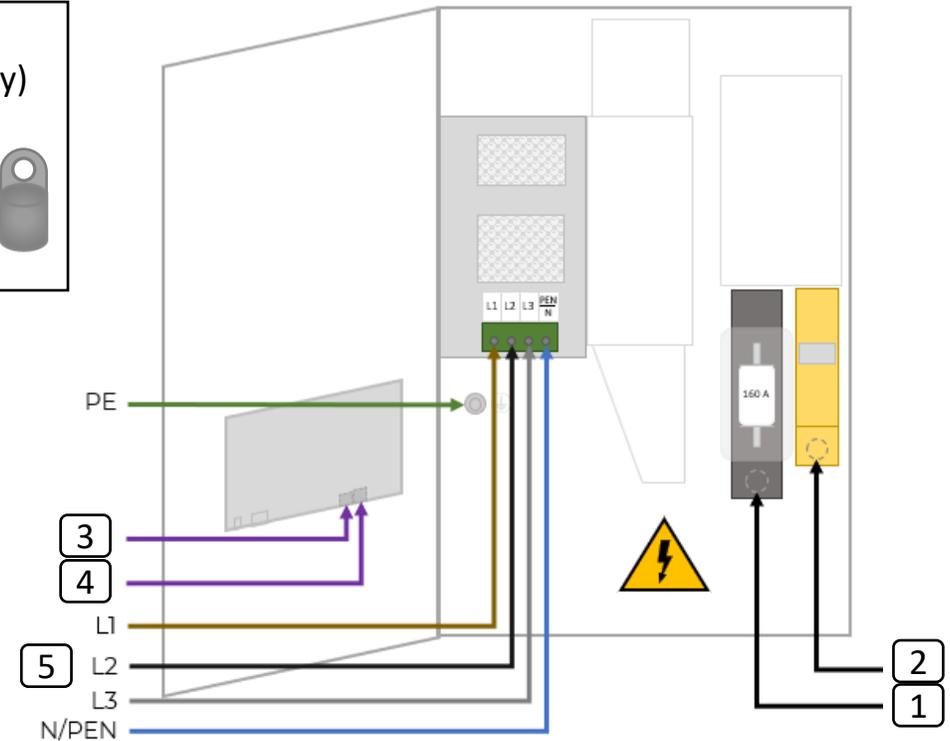


| | |
|---|---|
| 1 | DC connection BMS box or string collection box (if installed) - Power Out + |
| 2 | DC connection BMS box or string collection box (if installed) - Power Out - |
| 3 | Communication FEMS (LAN) |
| 4 | *Communication to additional inverters* |
| 5 | **AC grid connection (AC connection cable not included in the scope of delivery)** |

PE

Grid connection
L1
L2
L3
N/PEN

160 A

DC-cable (5 meter) are
included in scope of delivery.

LAN – RJ45

"Ethernet 6" connection on the
switch in the FEMS box

# Connection of the Battery String Combiner Box to Inverter

in case a submaster BMS is installed

PE

125 A

ON

160 A

Press 35 mm² ferrules onto
the DC cable
> included in delivery

+   −

+   +        −   −

Grid connections

L1

L2

L3

N/PEN

DC-cable (5 meter) are
included in scope of delivery.
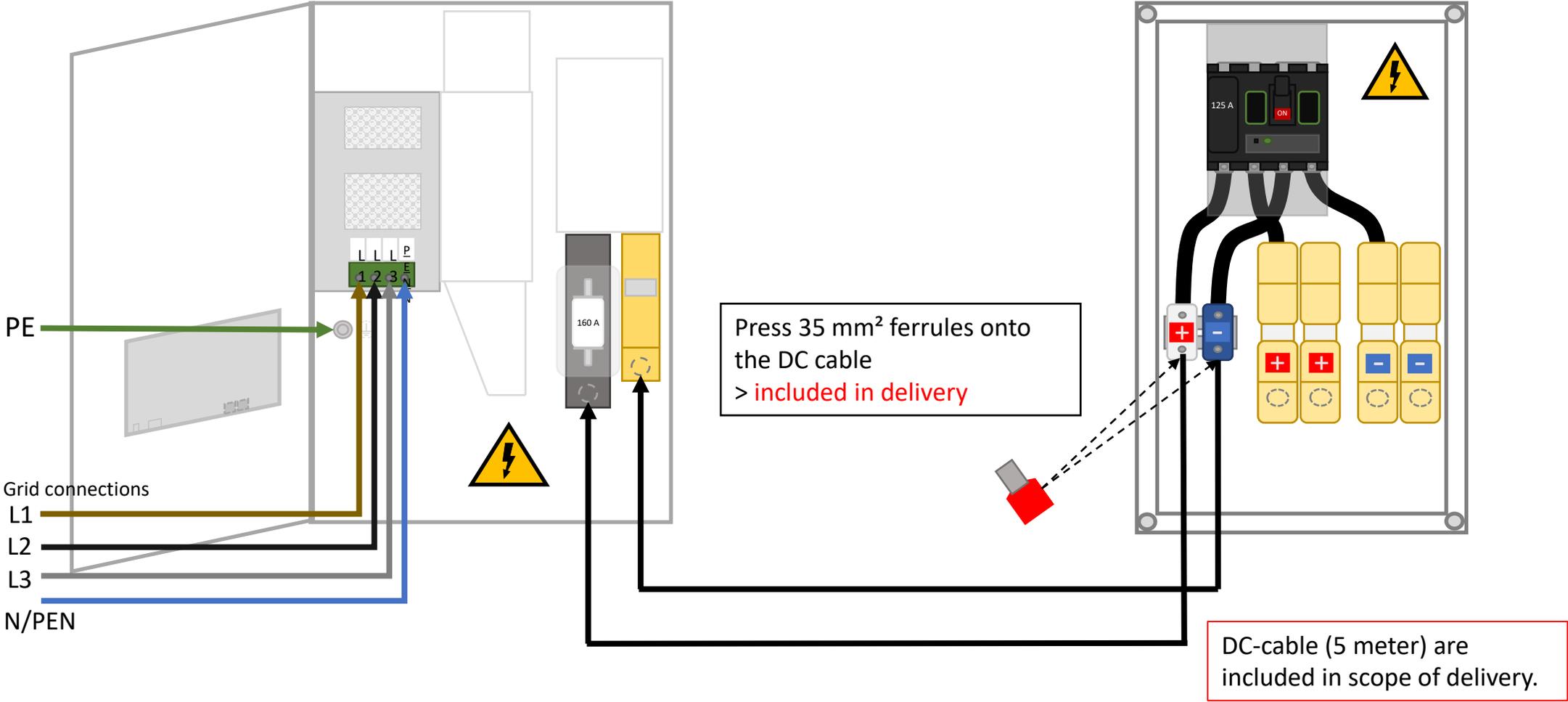
# Connection of the Battery String Combiner Box to BMS boxes
## in case a submaster BMS is installed

125 A
ON

Press ring cable lugs 35 mm²/ M10 onto the DC cable
> included in delivery

DATA  INTERNAL  SERVICE  CLUSTER  CLUSTER  PARALLEL
IN      OUT     OUT

MASTER POWER

BAT OUT +   BAT OUT -   MODULE -   MODULE +

MODULE OUT   BMS POWER

BAT POWER

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DC-cable (5 meter) are included in scope of delivery.

PARALLEL IN   PAPALLEL OUT

BAT OUT +   BAT OUT -   MODULE -   MODULE +

MODULE OUT   BMS POWER

BAT POWER

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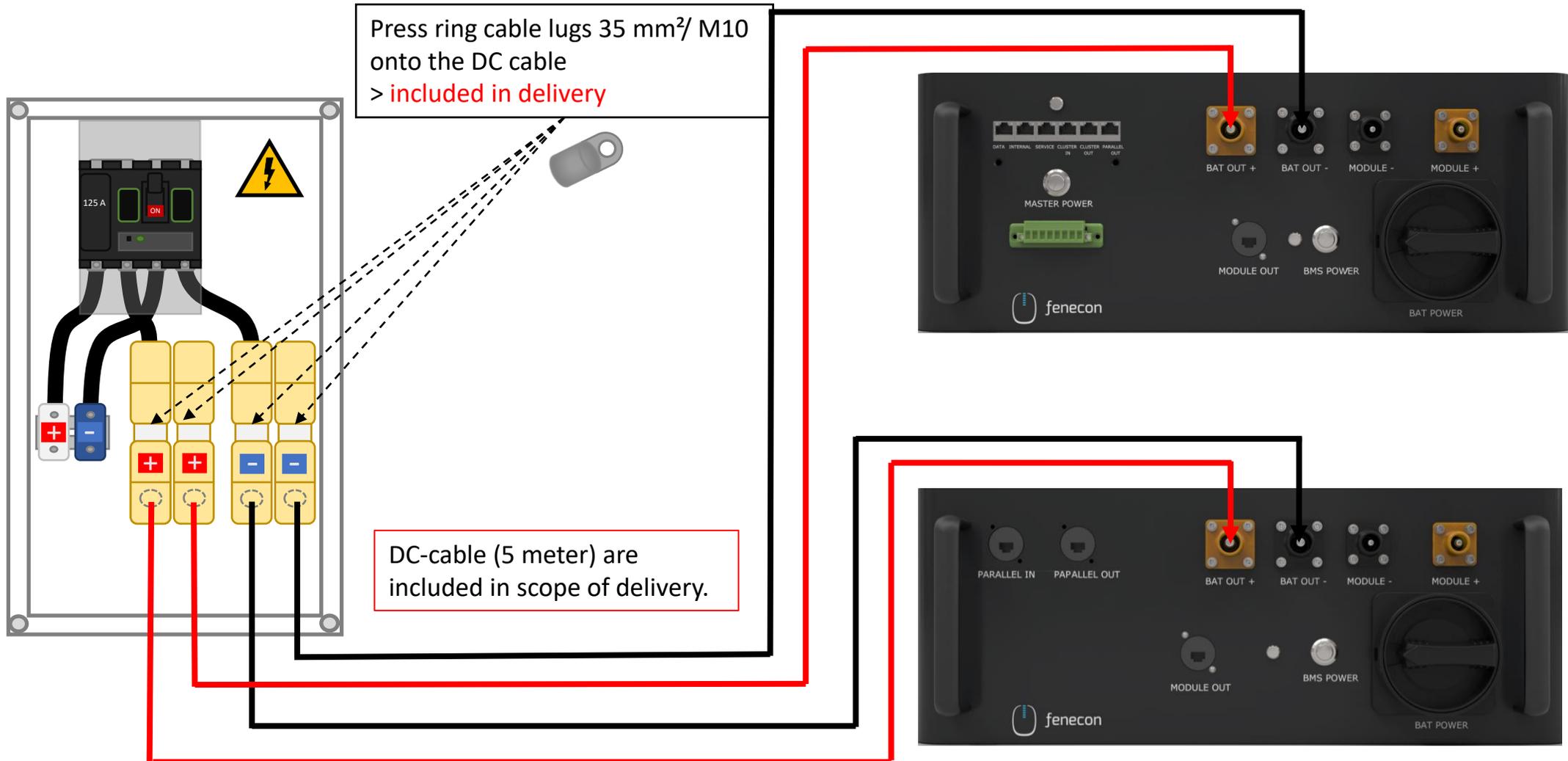
**For installation and configuration of the meter (SOCOMEC Diris A10)**, please refer to the "Installation and configuration instructions for FEMS package 3-phase sensor without current transformer". You can find this on our website in the download center.

The meter package **includes** the SOCOMEC Diris A10 meter and the corresponding FEMS app for Socomec meters. The current transformers are **not** part of the delivery.

Note:
AC generator meters are **not** part of the scope of delivery! However, for a correct display of consumption and generation in the online monitoring, the generation must be measured!

Attention:
The transformer ratio (secondary current) in this case is 5.

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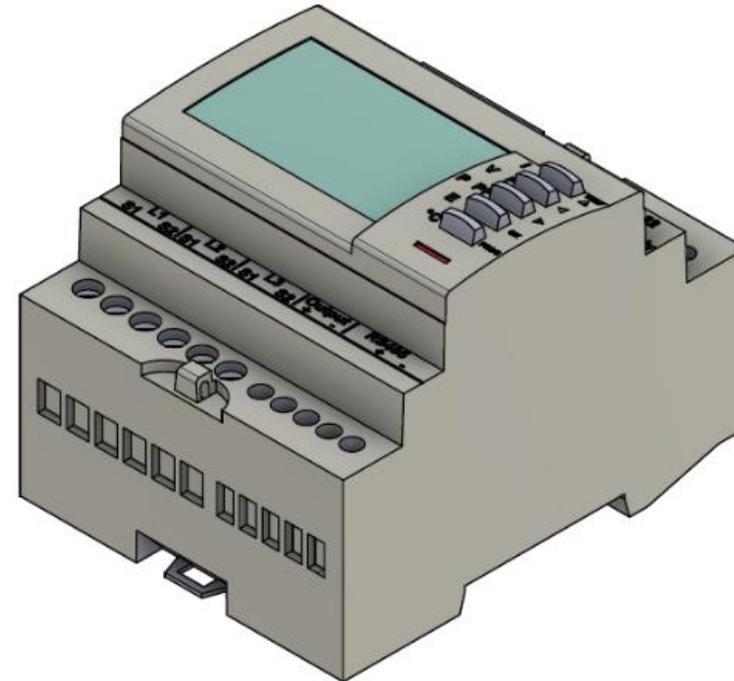
**For the installation and configuration of the meter (KDK 2PU CT)**, please refer to the "Installation and configuration instructions for FEMS package 3-phase sensor without current transformer". You can find this on our website in the download center.

The meter package **includes** the KDK 2PU CT meter and the corresponding FEMS app for KDK meters. The current transformers are **not** part of the delivery.

Note:
Meters for generation measurement are **not** part of the scope of delivery! However, for a correct display of consumption and generation in the online monitoring, the generation must be measured!

Attention:
The transformer ratio (secondary current) can be 1 or 5 for this meter!

# System – Switch-On

1.  Set fuse B6 in the FEMS connection box to "ON"

2.  *Switch on AC residual current circuit breaker and fuses (not shown in picture)*

3.  Turn the "Main Switch" on the submaster BMS boxes (if present) from "OFF" to "ON"

4.  To switch on, press the "Power" button on the submaster *BMS boxes (if present)*

5.  Turn the "Main Switch" on the master BMS box from "OFF" to "ON "

6.  To switch on, press the "Power" button on the master BMS box and then the "Master Power" button

    > If no errors occur in the system, lamps A, B and C light up green after a certain time

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# Configuration for TCP Communication

> Make sure that the battery is switched on during configuration. If the battery switches off, press the "MASTER POWER" button again.
>
> *For systems which were delivered as of July 2023, the "Configuration for TCP communication" can be skipped, since the settings are already preconfigured for these systems.*



1. Pull the patch cable out of the "INTERNAL" connector on the master BMS

2. Take a patch cable and connect the "INTERNAL" connector on the master BMS to a PC/laptop.

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3. Open the "**Ethernet settings**" on the PC/laptop.

4. Click on the **"Change adapter options"** button.

5. Now there are **different Ethernet connections** to choose from. Select here the connection to the master BMS with a double click. (No "x" is visible at the corresponding Ethernet connection).
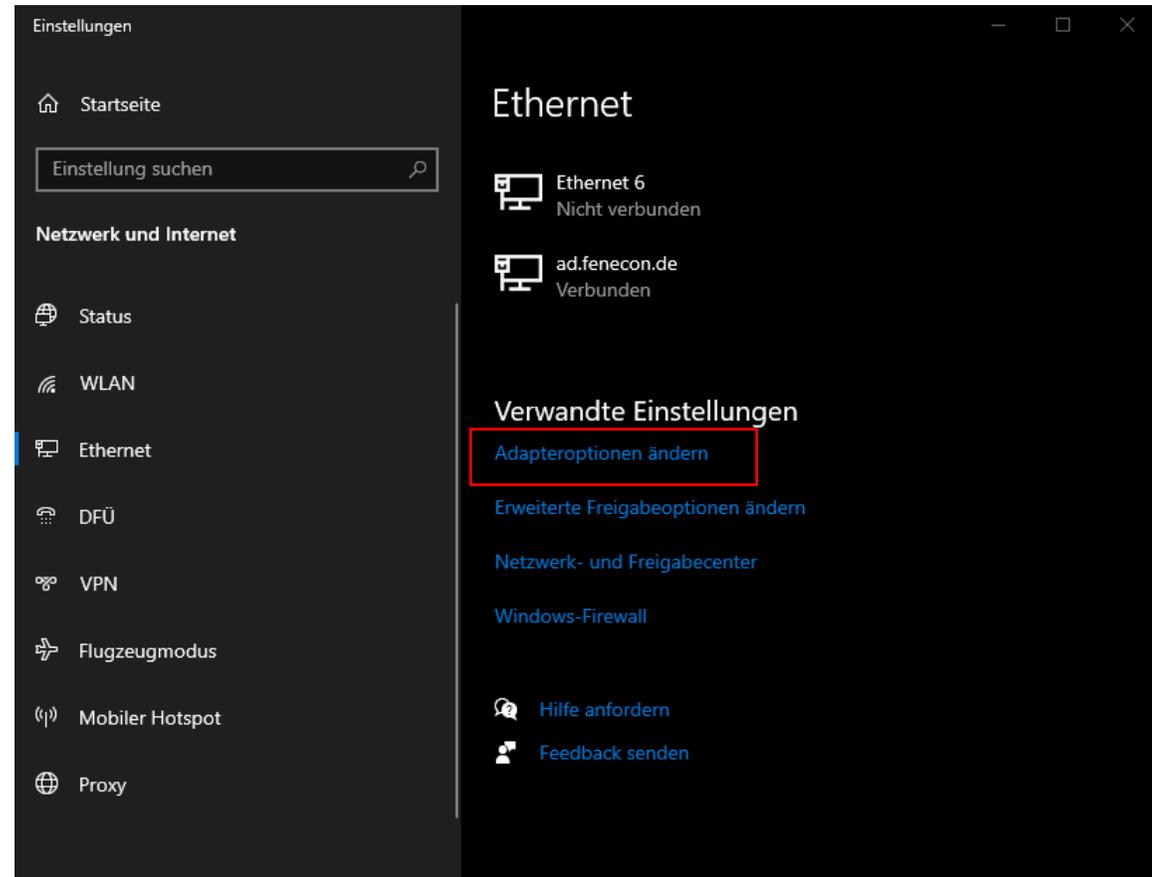
6. A window **"Status of Ethernet X"** opens. With a click on the field **"Properties"** another window is opened. In this window the line **"Internet protocol. Version 4 (TCP/IPv4)"** must be selected. Again a window opens, here the selection option **"Use the following IP address"** must be selected. The following number is now entered in the **"IP address"** field: **"192.168.0.30"**. These steps are each confirmed with **"OK".**
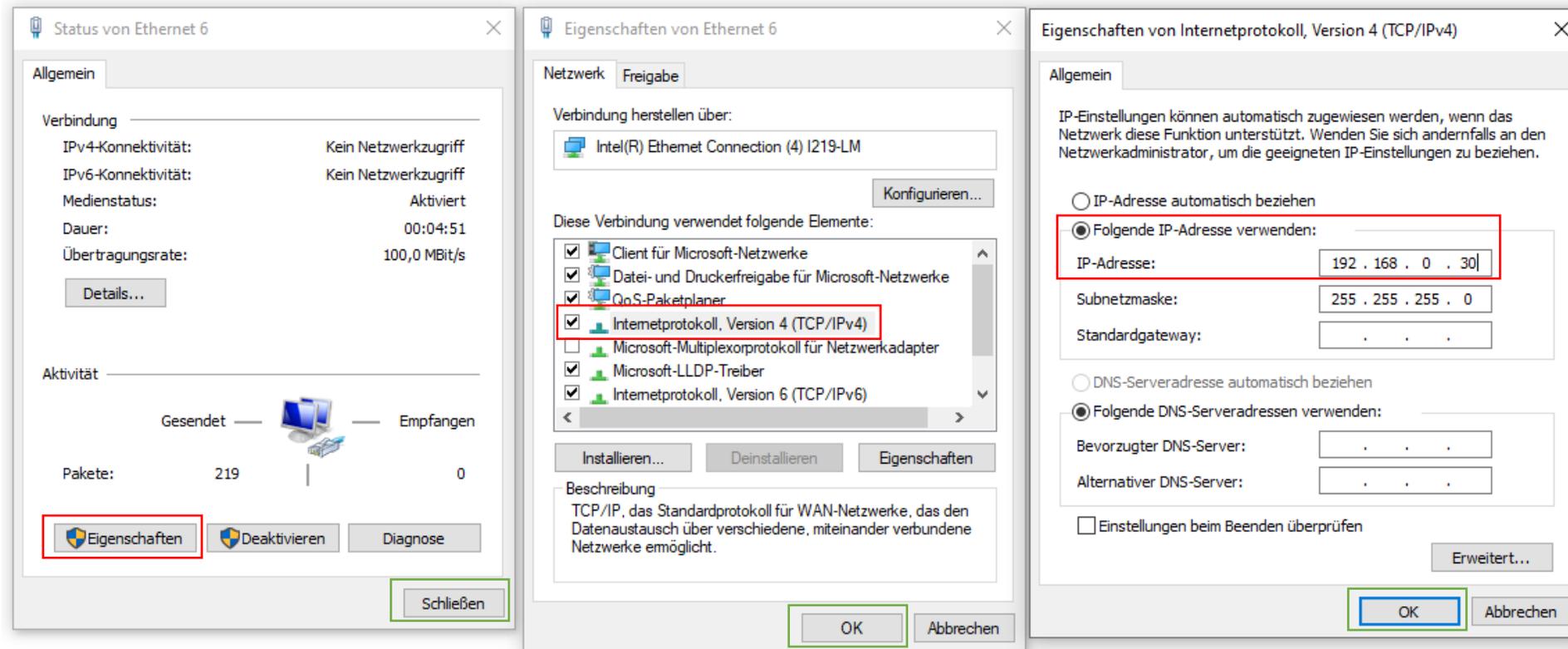
# Configuration for TCP Communication

7. Open now any **browser**.

8. Enter the following IP address in the **adress bar**:
   **192.168.0.7**

9. In the field that appears, you must enter **"admin"** for the username **AND** the password.

10. Then click "Log in".
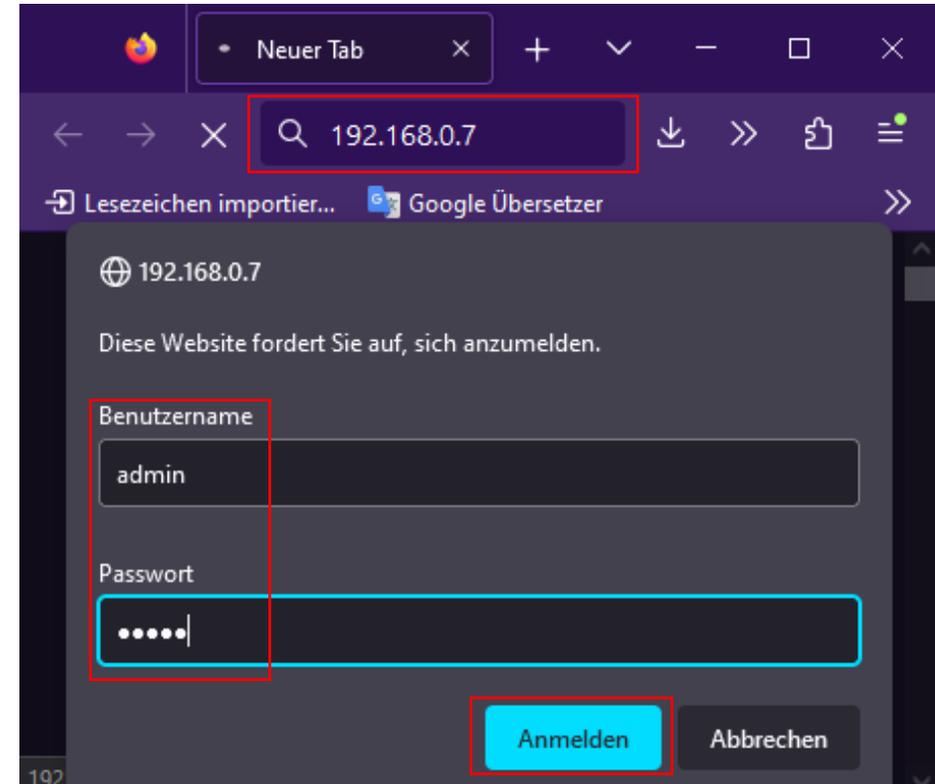
# Configuration for TCP Communication

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11. Now select the **"Serial Port"** tab on the left side of the page.

12. In the line **"Work Mode"** the setting **"TCP Server"** must be selected.
    (By default, "TCP Client" is usually selected.)

13. This setting must be stored with **"Save".**

14. Then click **" Restart Module"**.
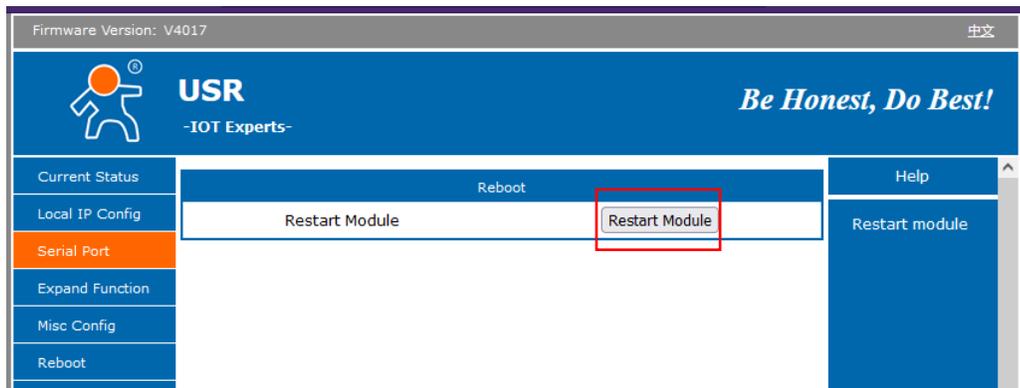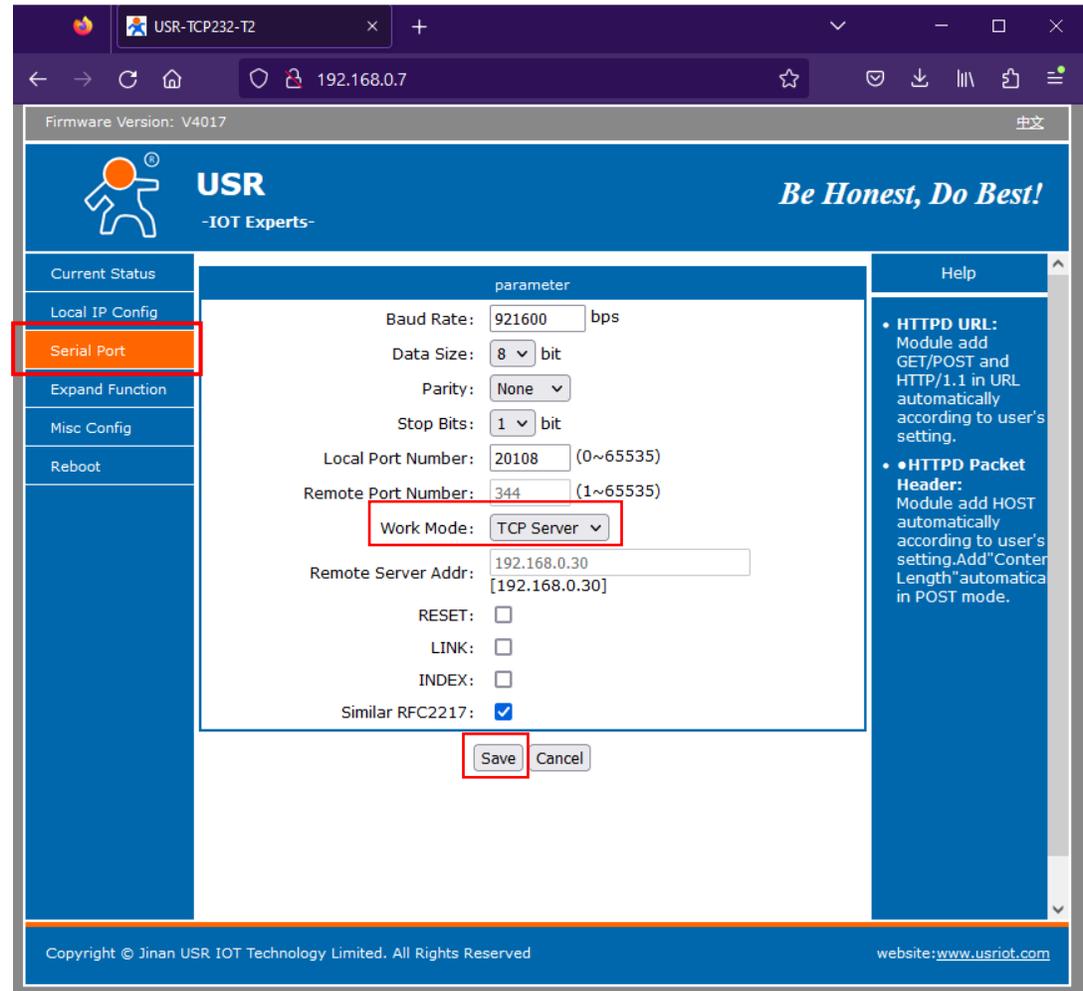
# Configuration for TCP Communication

Finally, the connection between Master BMS and laptop/PC must be disconnected again.

In addition, the connection between the Master BMS and the FEMS box must be re-established. To do this, reconnect the previously disconnected cable:

INTERNAL to FEMS-Box
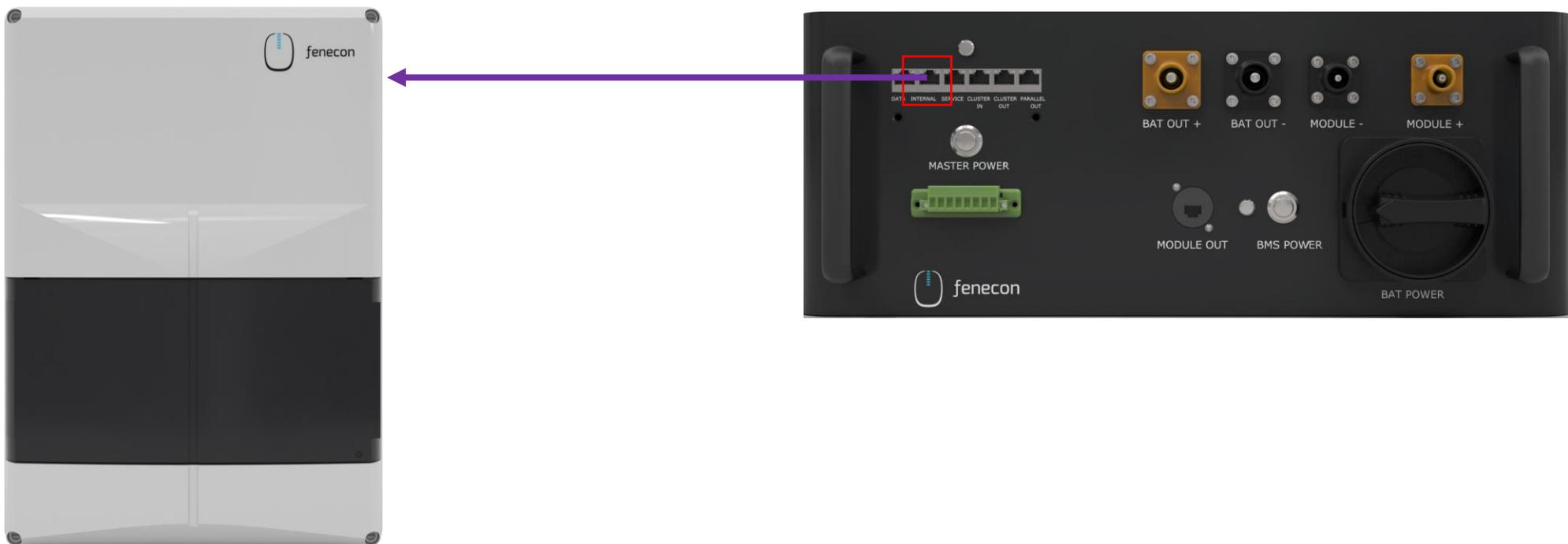
# Configuration for TCP Communication (AC-Cluster)

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The configuration for AC clusters <u>cannot</u> be skipped even for systems as of July 2023!

If your system consists of **more than one master BMS**, make these settings on each of the master BMSs.
Switch one after the other.

In addition, the Static IP must be changed for further Master BMS.

1.  To do this, select the **"Local IP Config"** tab on the left side of the page.

2.  Make sure that the **"Static IP"** is consecutive.
    **First** Master BMS: 192.168.0.**7**
    **Second** Master BMS: 192.168.0.**8**
    **Third** Master BMS: 192.168.0.**9**

# Configuration of the inverter KACO blueplanet gridsave 50.0 TL3-S

The configuration wizard does not reappear when the inverter is restarted after it has been completed successfully.

You can then only change the country settings via the password-protected parameter menu. The password must be requested from KACO service.

The AC and DC power supply must be ensured during initial commissioning.

blueplanet

Starting...

ESC
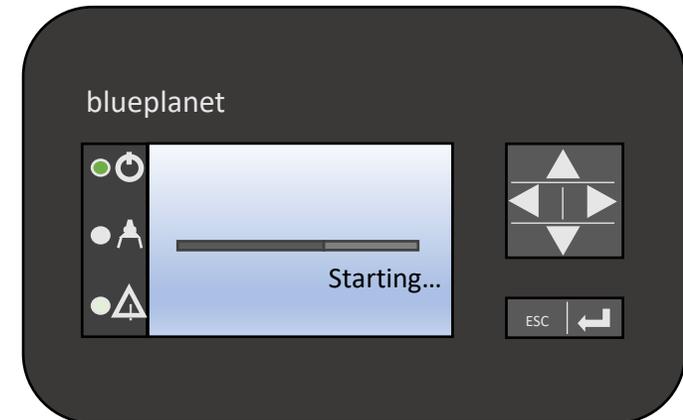
1) To select a setting, press the Up key and the Down key.
2) To select the next menu item, press the Enter key.
3) To return to the last selected menu item, press the ESC key.
4) Insert the required settings.
5) In the last menu item, press the Enter key.

Does not replace the operating instructions of the KACO blueplanet gridsave 50.0TL3-S

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**Configuration Wizard**

1. Select the menu language.
2. Set the country of the system operation and the network type.
3. Set the date and time.
4. In order to save the country settings and network type, confirm with "Yes".
   **You have completed the initial configuration.**

Country settings can be then changed via the password-protected parameter menu. The password must be requested from KACO service.

Check the software version in the main menu item under the information SW version ▶ PKT:V5.56
Perform firmware update see blueplanet gridsave 50.0 TL3 Software Update Guide V5.59

In Austria the firmware update is mandatory - contact your FENECON contact person for the update file.

The USB interface is located on the communication board inside the housing door.

1. connect the USB stick to the device
2. if you want to perform the update, select the "Yes" button. If "No", pressing the "Enter" button will cancel the update process and the device will start feeding operation.
In the event of an error, you must repeat the update process.
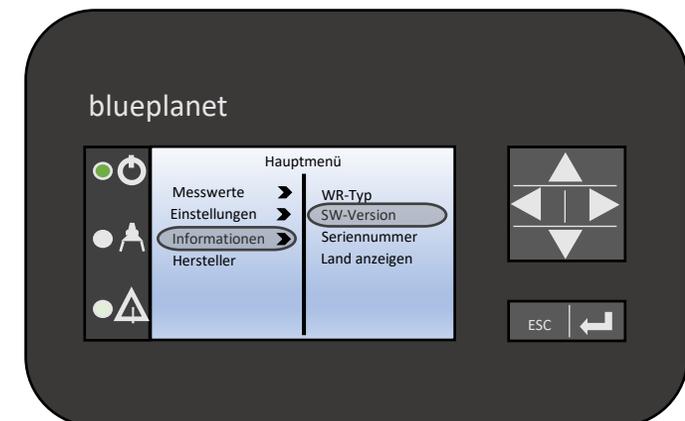
Does not replace the operating instructions of the KACO blueplanet gridsave 50.0TL3-S

blueplanet

| Hauptmenü | |
|---|---|
| Messwerte ▸ | WR-Typ |
| Einstellungen ▸ | SW-Version |
| Informationen ▸ | Seriennummer |
| Hersteller | Land anzeigen |

ESC ⏎

| Start interface |
| --- |
| Use the right ▶ key to enter the main menu to make settings. |
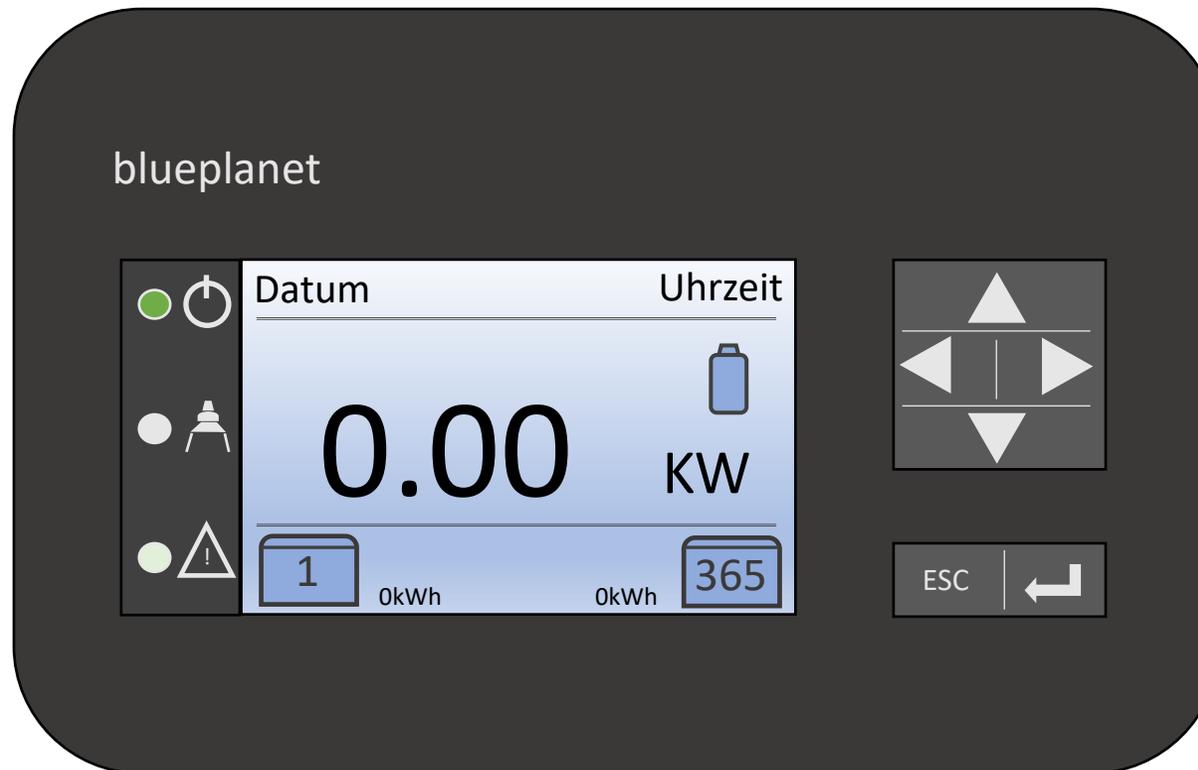


Does not replace the operating instructions of the KACO blueplanet gridsave 50.0TL3-S

# Quick configuration network - inverter KACO

Settings ▶ Network ▶

Network ▶ DHCP ↵

**blueplanet**
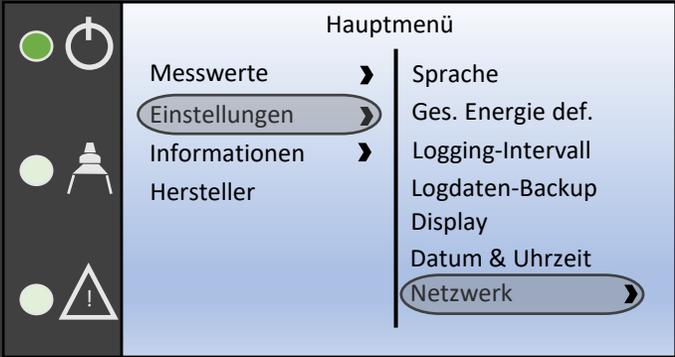
Hauptmenü

Messwerte ❯
Einstellungen ❯
Informationen ❯
Hersteller

Sprache
Ges. Energie def.
Logging-Intervall
Logdaten-Backup
Display
Datum & Uhrzeit
Netzwerk ❯

ESC | ↵

**blueplanet**

Einstellungen

Sprache
Ges. Energie def.
Logging-Intervall
Logdaten-Backup
Display
Datum & Uhrzeit
Netzwerk ❯

DHCP
IP-Adresse
Subnetzmaske
Gateway
DNS-Server
Webserver ❯
Modbus TCP ❯

ESC | ↵

Does not replace the operating instructions of the KACO blueplanet gridsave 50.0TL3-S

# Quick configuration network - inverter KACO

Select DHCP ⏎ Off with ⏎ confirm

▼ Input the IP-Addresse ⏎ via the 4-way push button
010.004.000.010 and confirm ⏎
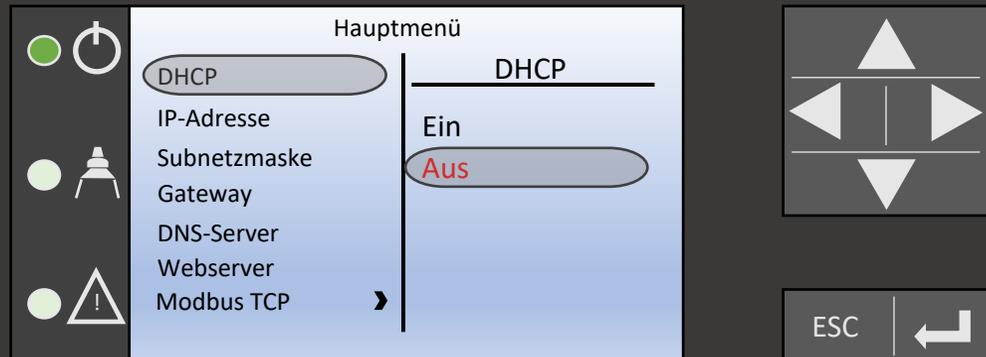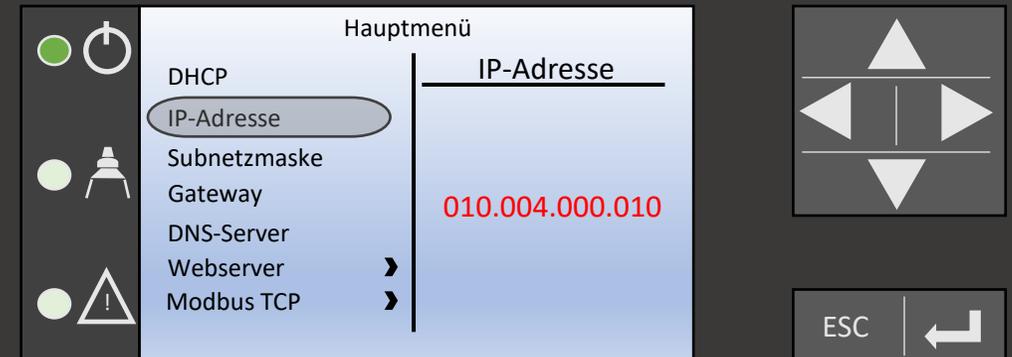
## blueplanet

Hauptmenü

DHCP

| DHCP | |
|---|---|
| IP-Adresse | Ein |
| Subnetzmaske | Aus |
| Gateway | |
| DNS-Server | |
| Webserver | |
| Modbus TCP ❯ | |

ESC ⏎

## blueplanet

Hauptmenü

IP-Adresse

| DHCP | |
|---|---|
| IP-Adresse | |
| Subnetzmaske | |
| Gateway | 010.004.000.010 |
| DNS-Server | |
| Webserver ❯ | |
| Modbus TCP ❯ | |

ESC ⏎

Does not replace the operating instructions of the KACO blueplanet gridsave 50.0TL3-S

# Quick configuration network - inverter KACO
## for the case when several inverters are installed

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For additional inverters, the IP address is consecutive - i.e. ... 012, ... 013

▼ Input the IP-Addresse ⏎ via the 4-way push button
010.004.000.010 and confirm ⏎

▼ Input the IP-Addresse ⏎ via the 4-way push button
010.004.000.011 and confirm ⏎

### blueplanet

Hauptmenü

DHCP
IP-Adresse
Subnetzmaske
Gateway
DNS-Server
Webserver ❯
Modbus TCP ❯

IP-Adresse

010.004.000.010

ESC | ⏎

### blueplanet

Hauptmenü

DHCP
IP-Adresse
Subnetzmaske
Gateway
DNS-Server
Webserver ❯
Modbus TCP ❯

IP-Adresse

010.004.000.011

ESC | ⏎
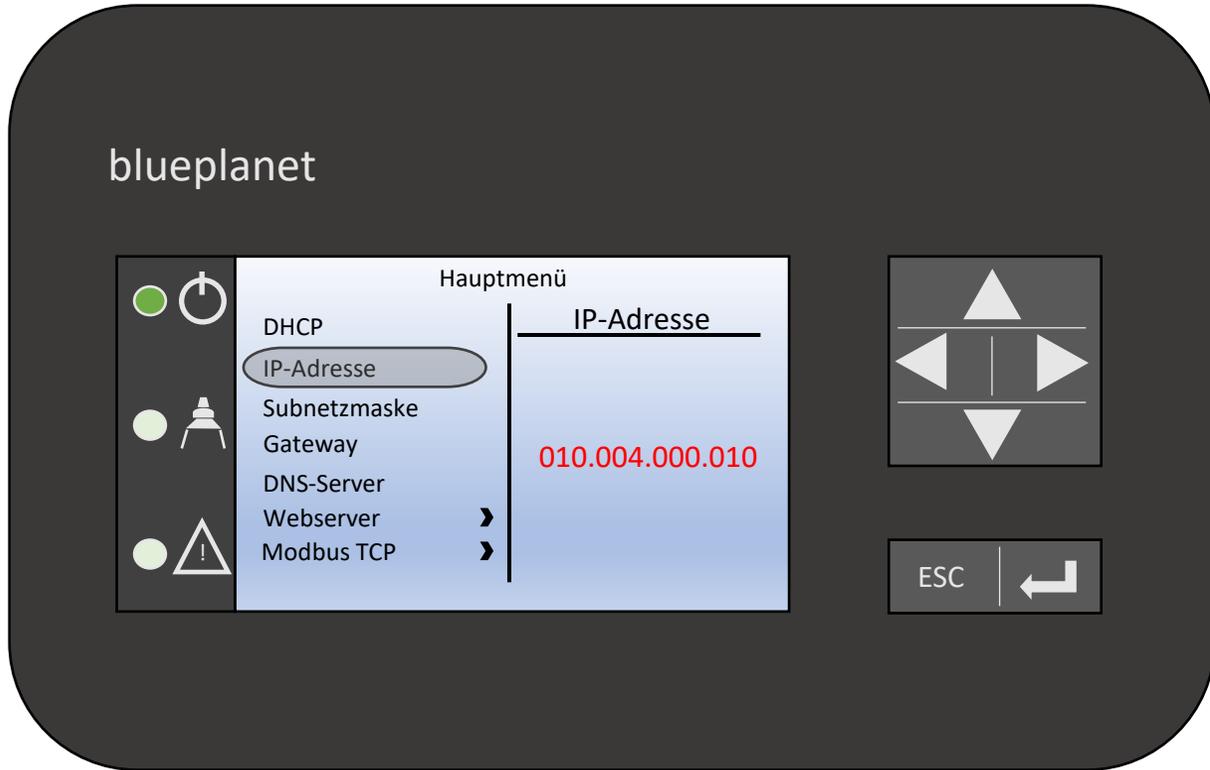
Inverter 1

Does not replace the operating instructions of the KACO blueplanet gridsave 50.0TL3-S
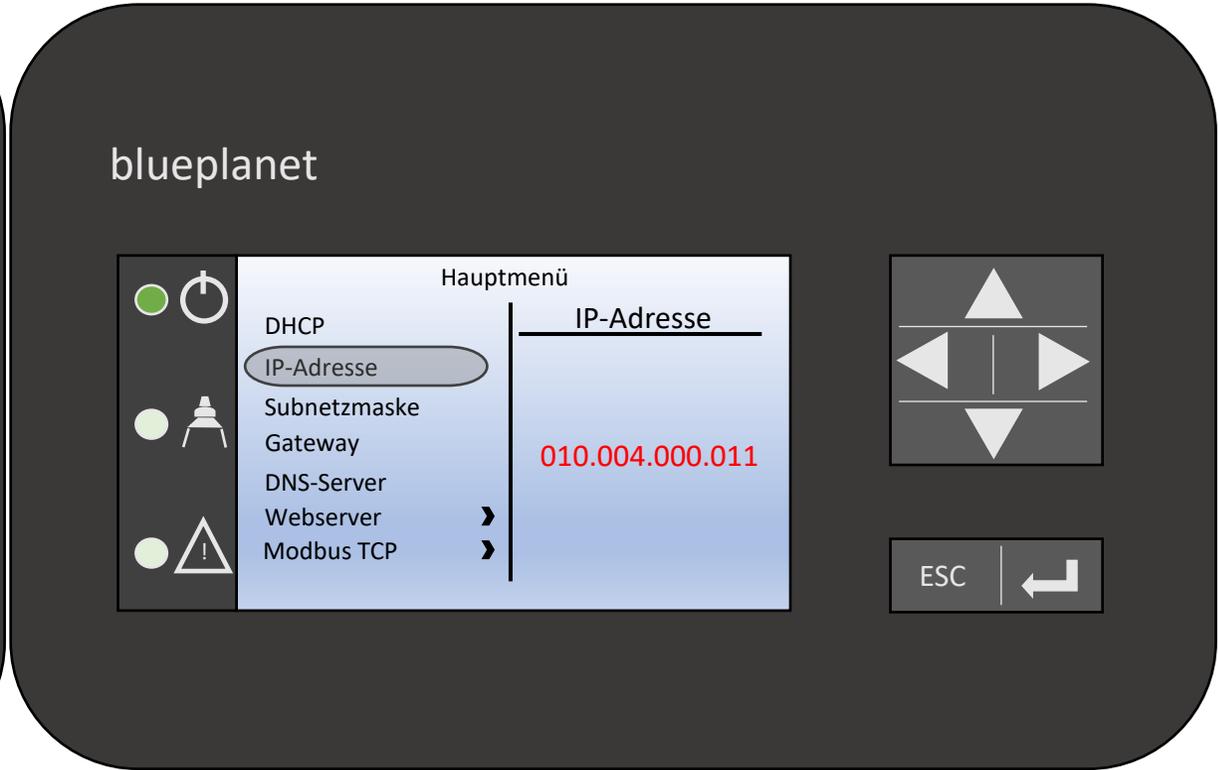
Inverter 2

# Quick configuration network - inverter KACO

▼ Input the subnet mask ↵ via the 4-way push button
255.255.000.000 and confirm ↵

▼ Webserver ▶ remote configuration

**blueplanet**
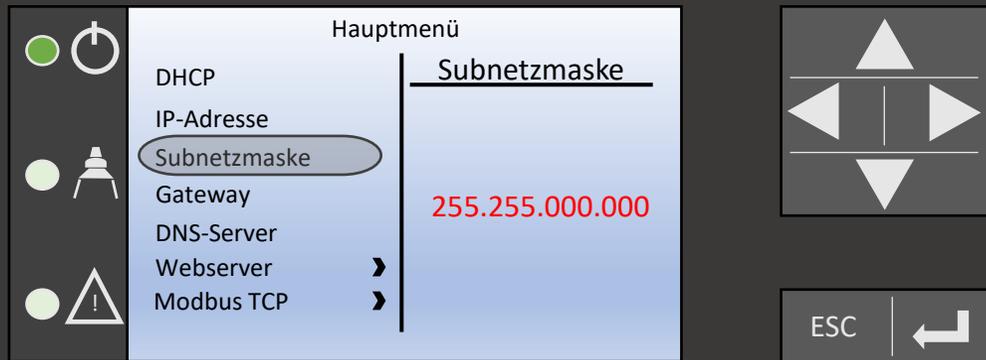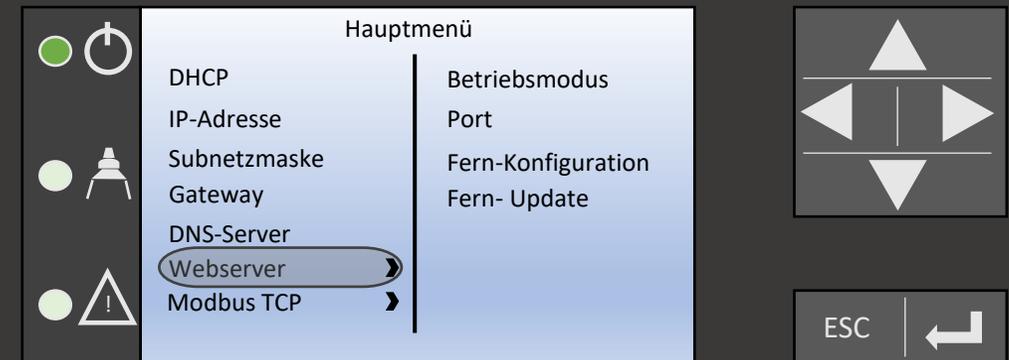
| Hauptmenü | Subnetzmaske |
|---|---|
| DHCP | |
| IP-Adresse | |
| Subnetzmaske | |
| Gateway | 255.255.000.000 |
| DNS-Server | |
| Webserver ❯ | |
| Modbus TCP ❯ | |

ESC ↵

**blueplanet**

| Hauptmenü | |
|---|---|
| DHCP | Betriebsmodus |
| IP-Adresse | Port |
| Subnetzmaske | Fern-Konfiguration |
| Gateway | Fern- Update |
| DNS-Server | |
| Webserver ❯ | |
| Modbus TCP ❯ | |

ESC ↵

Does not replace the operating instructions of the KACO blueplanet gridsave 50.0TL3-S

# Quick configuration network - inverter KACO

Does not replace the operating instructions of the KACO blueplanet gridsave 50.0TL3-S

# Quick configuration network - inverter KACO

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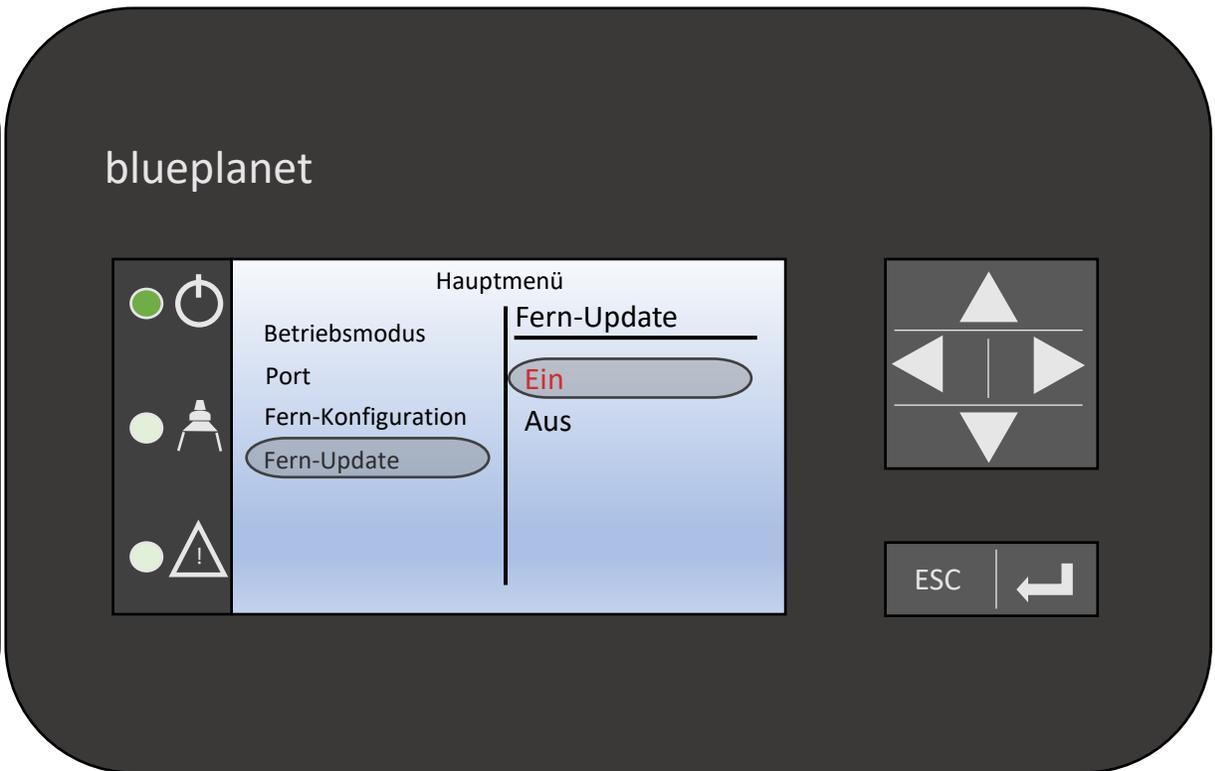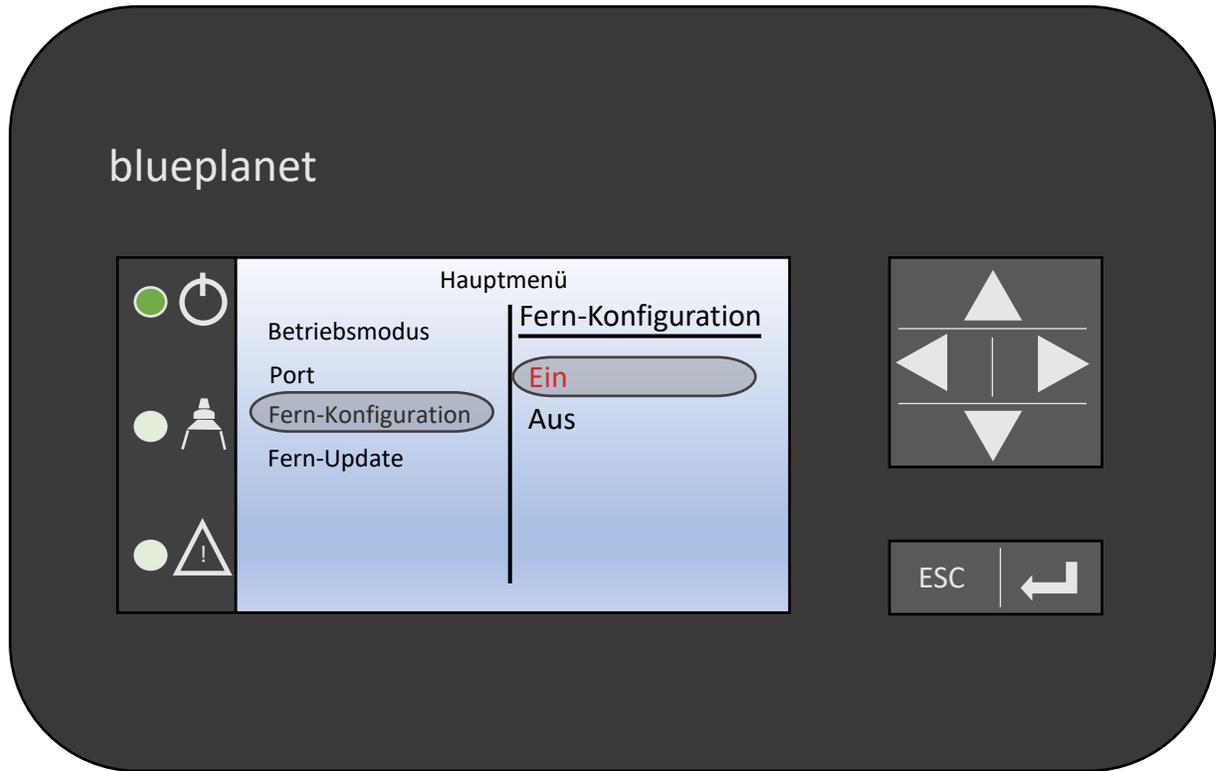
| ESC | return to start display (graphic display) |

fenecon
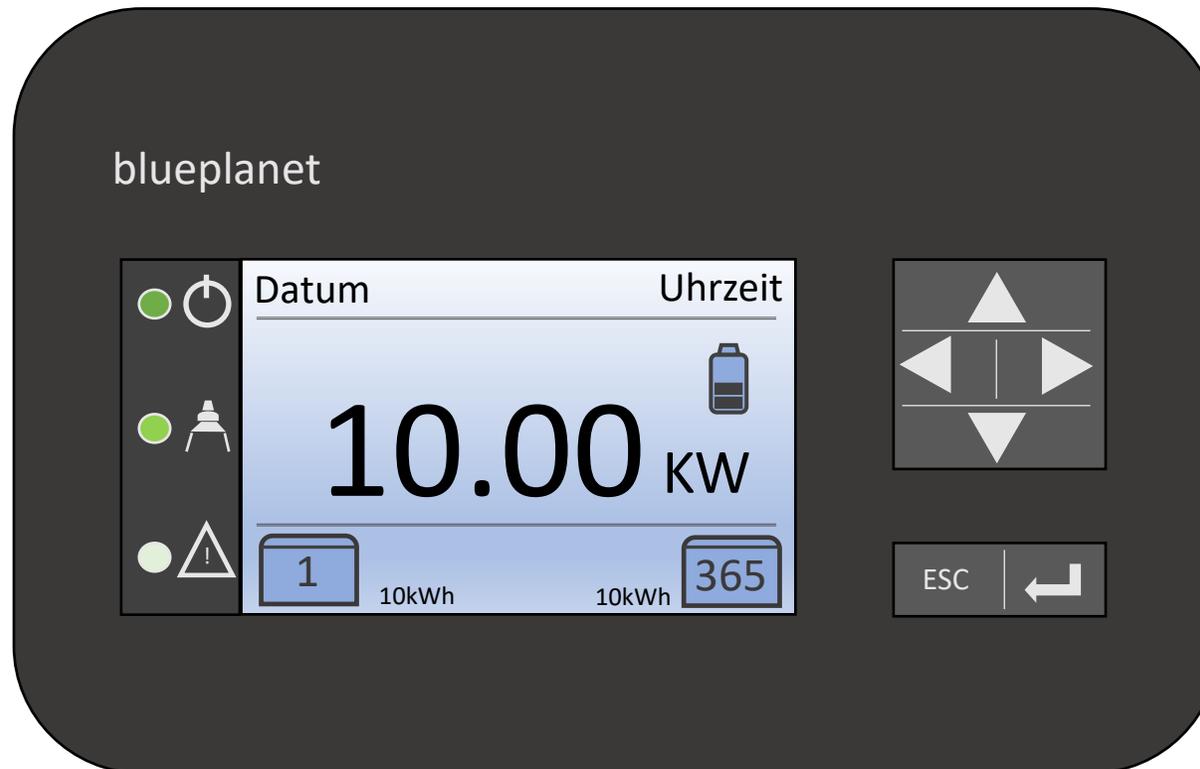
## Please note:

There is the possibility of an automatic commissioning via our initial setup assistant.
The further procedure for this is described on the following page.

However, this is currently only possible for selected system configurations.
- You have installed a **maximum of one battery inverter (50 kW)**
- You are using the system for **self-consumption optimization** or for **peak shaving**

If you have a larger system **with two or three inverters (100 kW to 250 kW)**, commissioning is carried out with the **support** of our **service team** (see information on the right).

If you use other additional apps (such as heating element, EV charging stations), please also contact our service team.

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For telephone commissioning, please make an appointment two weeks in advance with your contact person at FENECON.

For on-site IBN, a lead time of at least 4 weeks is required.

For support please contact :

FENECON GmbH
Brunnwiesenstraße 4
+49 9903 628 00 (Service)
service@fenecon.de

Monday to Thurday:      8 am – 5 pm
Friday:                            8 am – 3 pm

The initial setup takes approx. one hour.
**During the IBN, it is mandatory to fill out the IBN protocol and send it to FENECON within 30 days or the automatically created IBN protocol must be transmitted via the IBN wizard during installation - without this, there are no warranty claims!**

# IBN-Commissioning Assistent

**1**

https://portal.fenecon.de/m

**2**

| Login |
| :--- |
| E-Mail / User |
| Password |
| Reset Password |
| Create installer account |

LOGIN →]

**NOTE**

If no installer account has been created yet, this can be done directly on the login page

**3**

| Create account | ✕ |
| :--- | ---: |
| INSTALLER | USER |
| Company name* | |
| First name* | |
| Last name* | |
| Street* | |
| Postal code* | |
| City* | |
| Country* | ▾ |

**NOTE**

The access data for monitoring are created after completion of the IBN and sent to the customer.

**4**

☐ By creating a FENECON account, I declare that I have read and agree to the FENECON Privacy Policy and Terms of Use.*

☐ I confirm the AGB.*

☐ I would like to subscribe to the FENECON newsletter to receive all the latest news from FENECON.

→] CREATE

**5**

🔑 enter installer key

XXXX-XXXX-XXXX-XXXX

**NOTE**

After entering the installation key, follow the steps of the configuration.
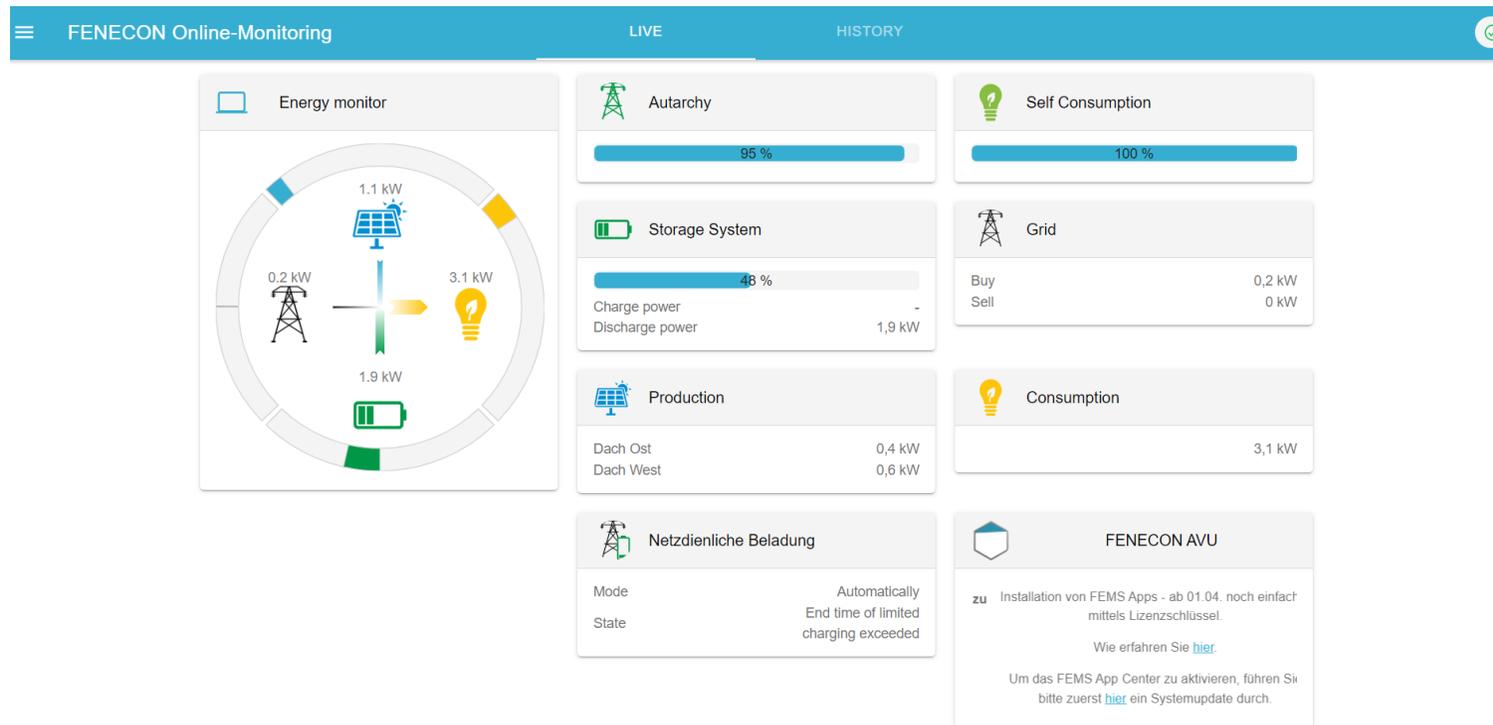
# Online Monitoring



**NOTE**

When the configuration is completed, you will be redirected to the online monitoring. A green check mark is displayed at the top left when configuration was successful.

**NOTE**

Once the battery and the configuration of the installed meters are successfully completed, the appropriate values are displayed in the online monitoring.

# Notes