

Quickstart Guide

KACO blueplanet

87.0 TL3	110 TL3	150 TL3
92.0 TL3	125 TL3	155 TL3
105 TL3	137 TL3	165 TL3



www.kaco-newenergy.com

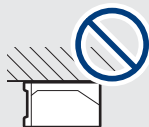
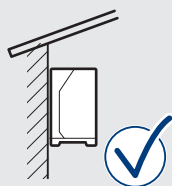
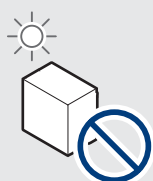
i

Danger!

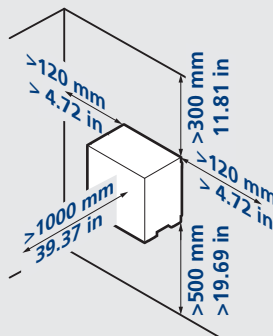
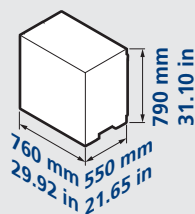
Danger to life due to electric shock and electrical discharge.

Dangerous voltages are present in the inverter.

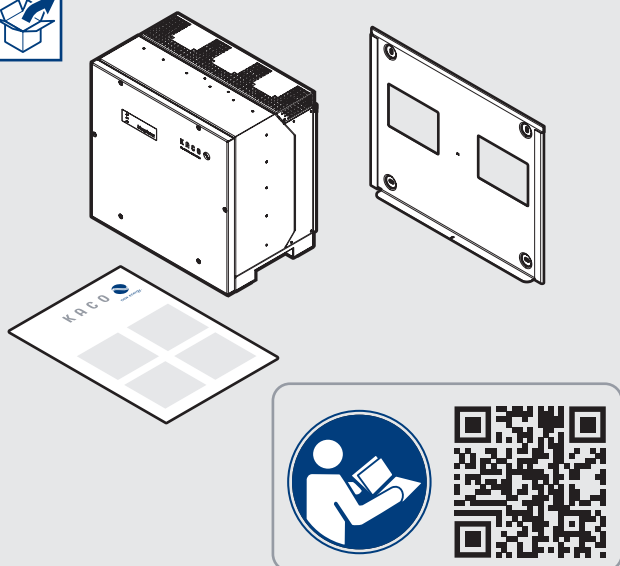
- Only allow work on the device to be carried out by a qualified electrician.
- The device is only permitted to be opened or serviced by a qualified electrician.
- Always disconnect the device from the power supply during installation, maintenance and repairs and secure it against being switched on again.
- Do not connect or disconnect DC cables to or from the unit during operation to avoid dangerous electric arcs.



83 kg
182.98 lbs



1. Scope of delivery



Mounting kit

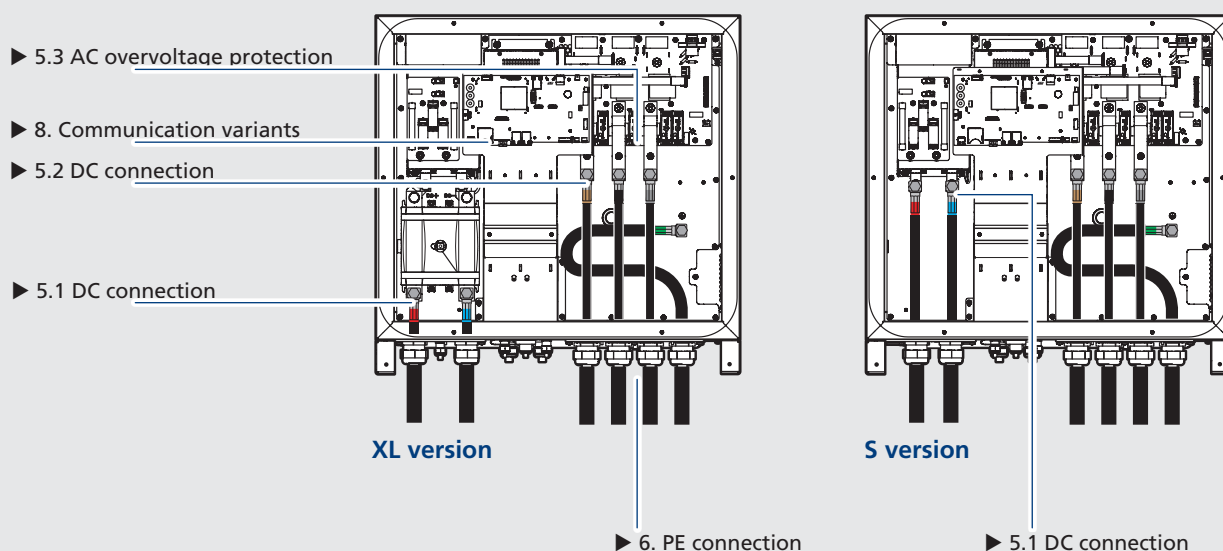
	Quantity
Ziplock bag 100x150	1
Label 70x35	1
Washer M10 DIN 125	10
Hexagon nut M10 DIN 934	5
Hexagon head screw M10x25 DIN933	5
CON-PIN-BTB 2POL 1ROW ANG 320V 8A P5,08	1
CON-PIN-BTB 3POL 1ROW ANG 320V 8A P5,08	1
CON-P SPRING 6-POL 1,5qmm 160V 8A RM3,5	1
CON-PLUG SPRING 2POL 1,5q 160V 8A RM3,5	1
Fischer dowel S12	4
Hexagon wood screw 8x8 DIN571	4
Spring washer M10 DIN128A	5
Cable tie 100x2,5 PA 6.6 nature	3
Combi-Screw DIN6900-3Z4-1TX8.8	1

2. Accessories

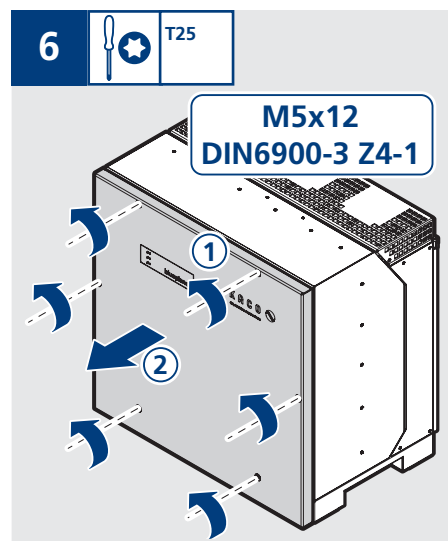
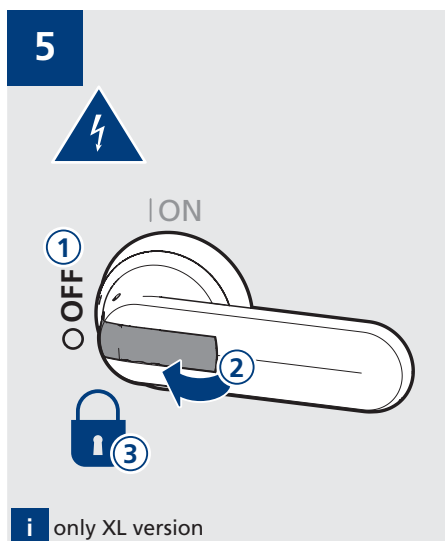
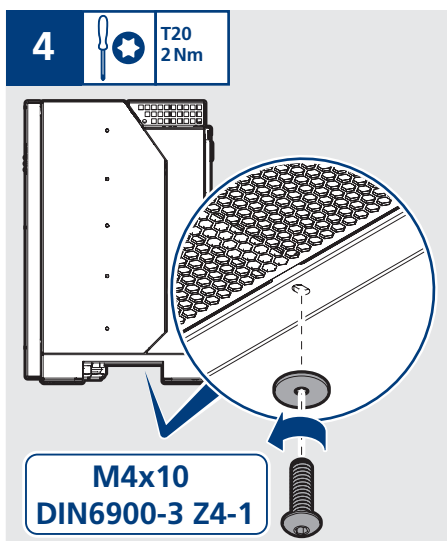
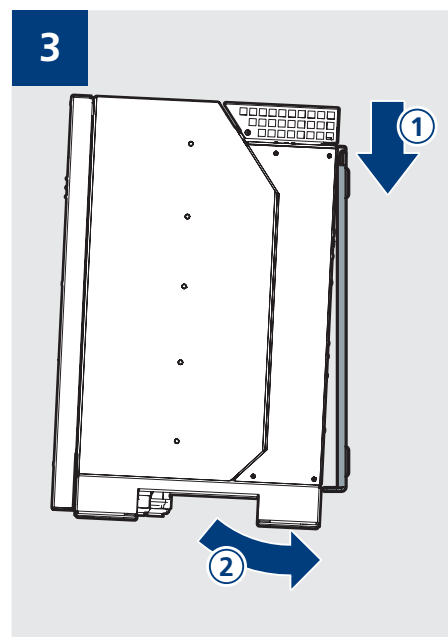
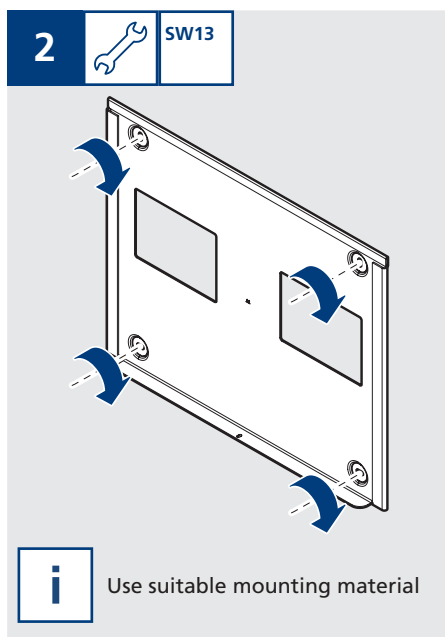
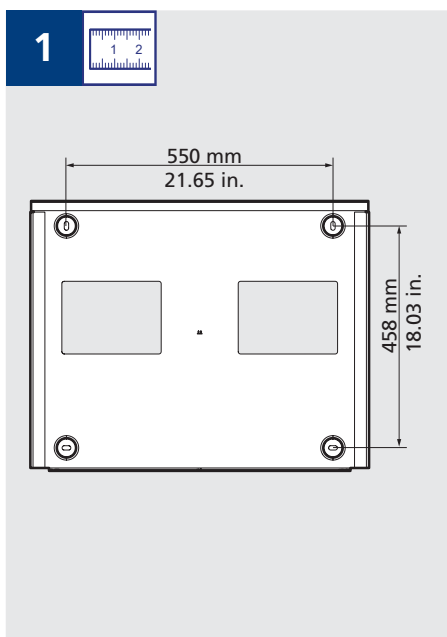


Accessories	KACO order no.
Bending box	1001917
Kit input plate AC Inverter	1001882 (double row) / 1001906 (M63/32)
Kit Overvoltage protection AC Inverter	1001884
Kit Overvoltage protection DC Inverter	1001885
Kit Surge Protection LAN Inverter	1001886
Kit Overvoltage Protection RS485 Inverter	1001887
PID Connection Set	1001888
WLAN adapter Digitus 150N micro	3013222
Spare fuses (10x85mm 1500V 5A PID)	1001883
KACO blueplanet DC-Breaker	1001860

3. Overview

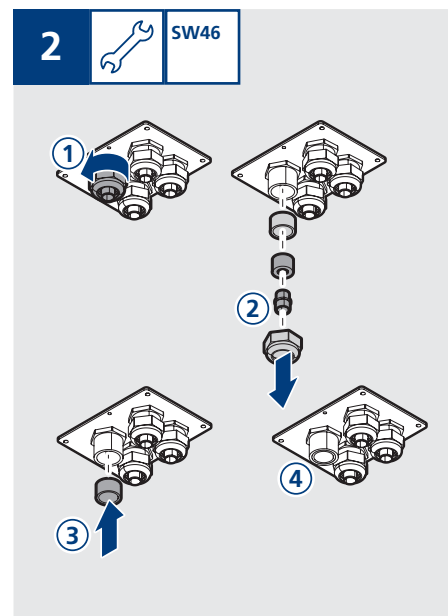
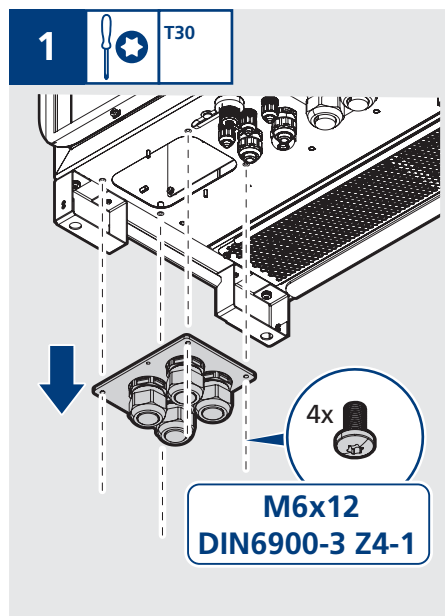
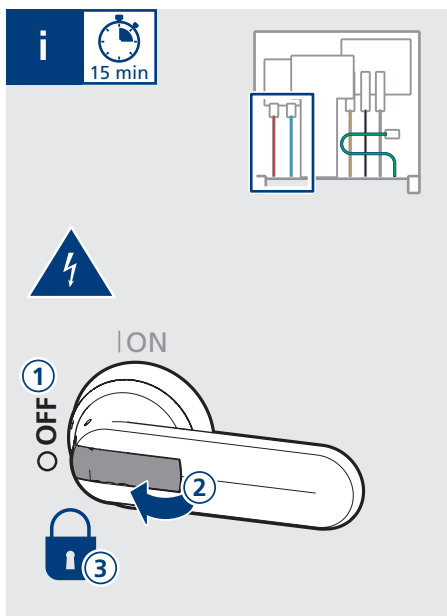


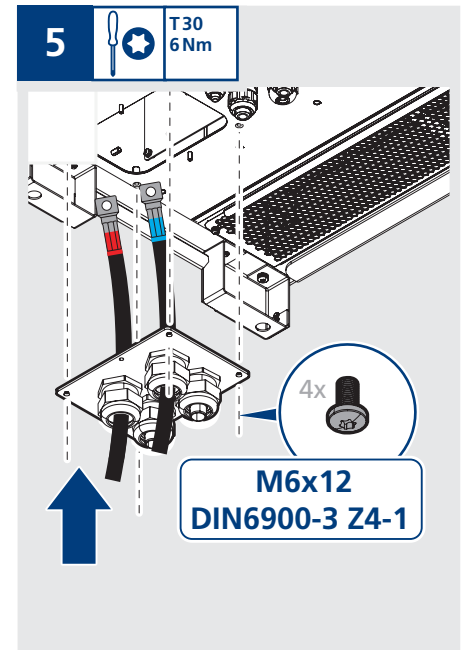
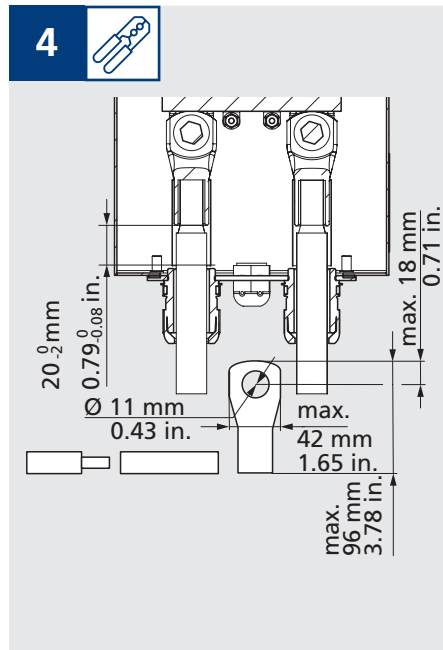
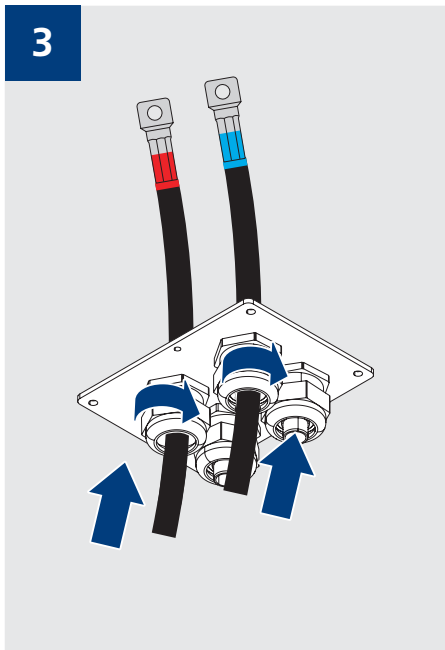
4. Mounting



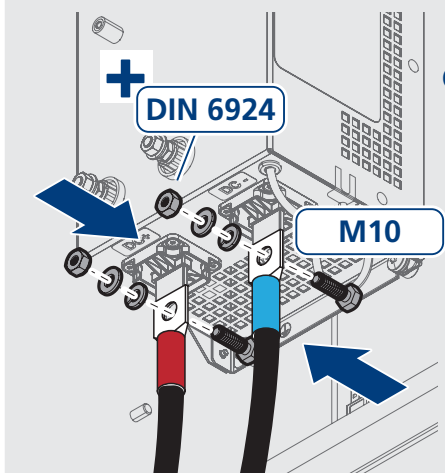
5. Installation

5.1 DC connection

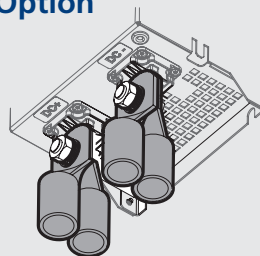




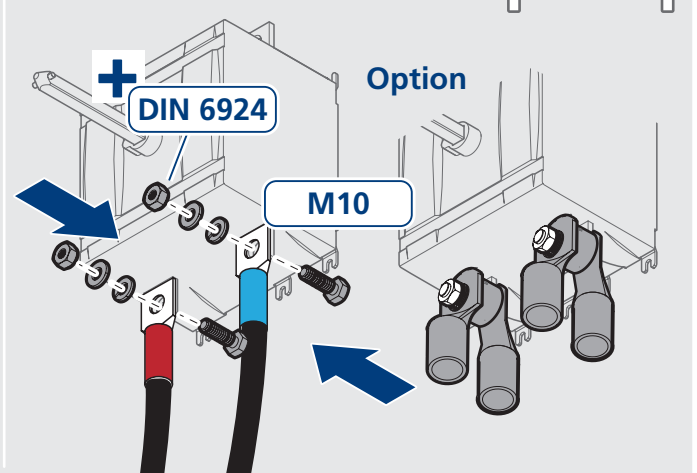
i only S version



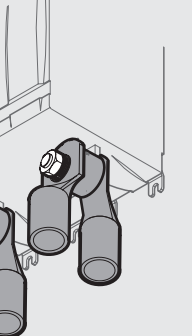
Option



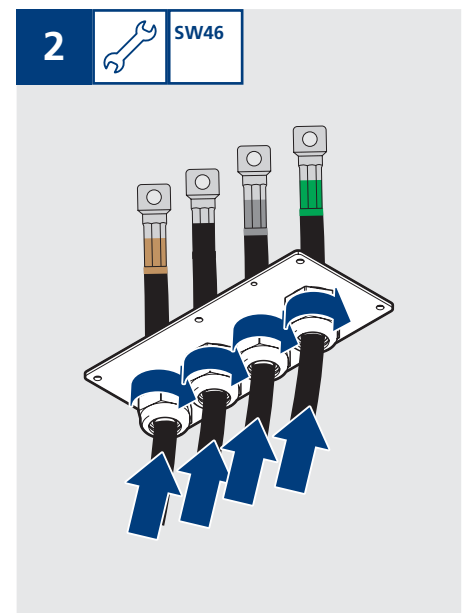
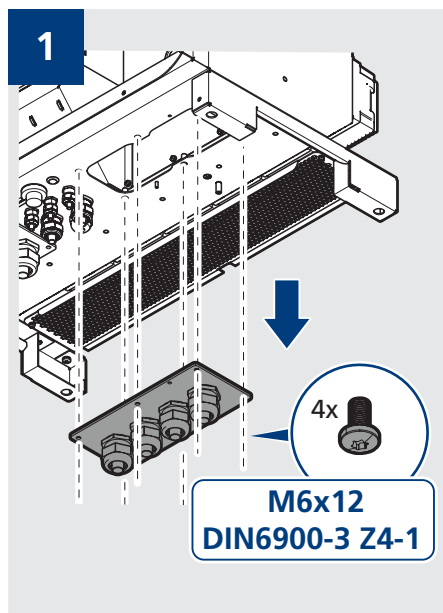
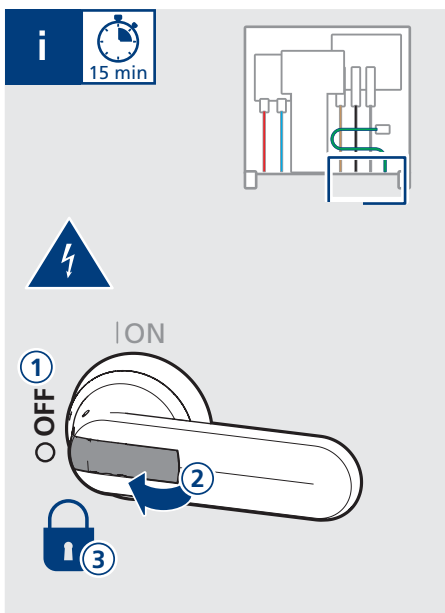
i only XL version

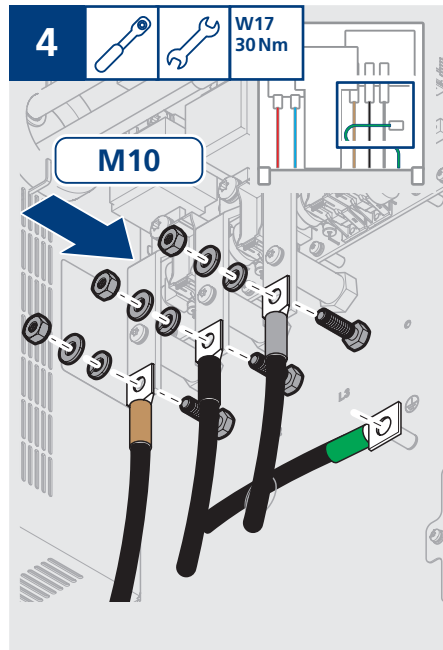
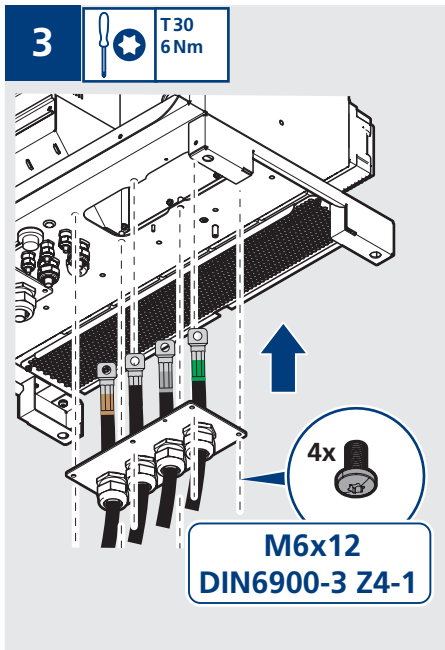


Option

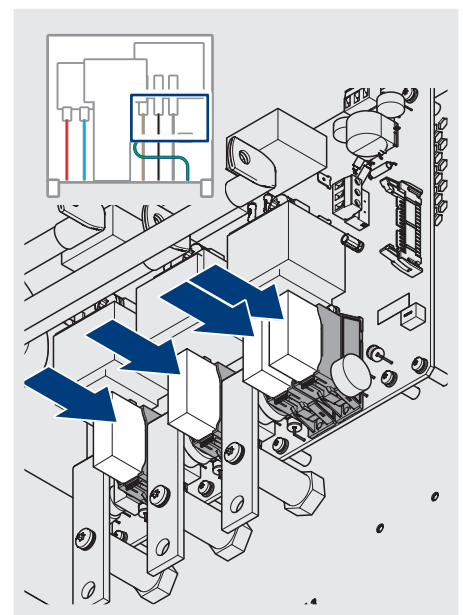


5.2 DC connection

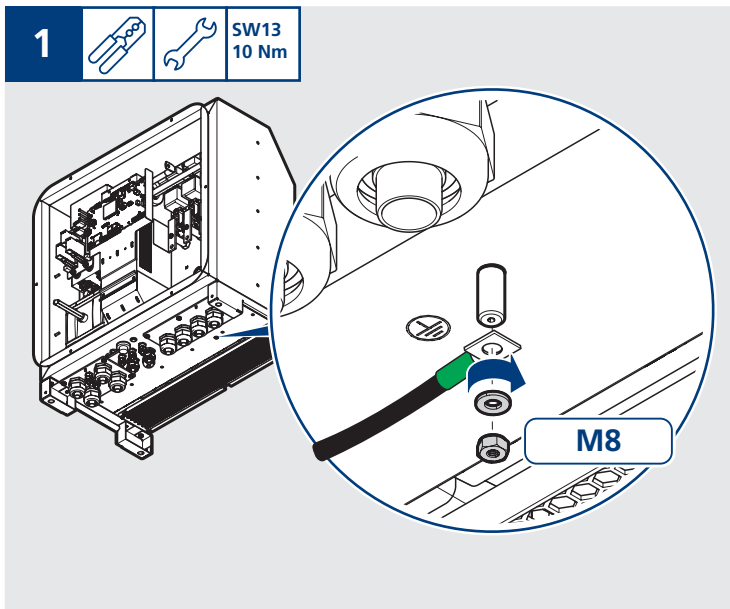




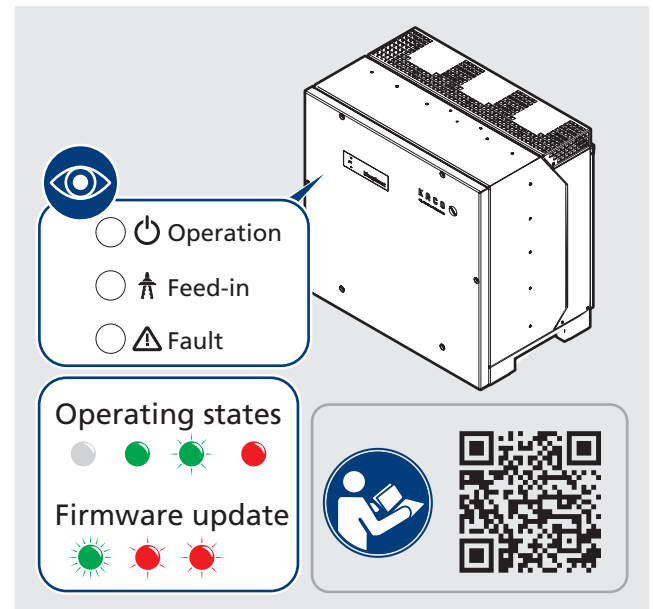
5.3 AC overvoltage protection



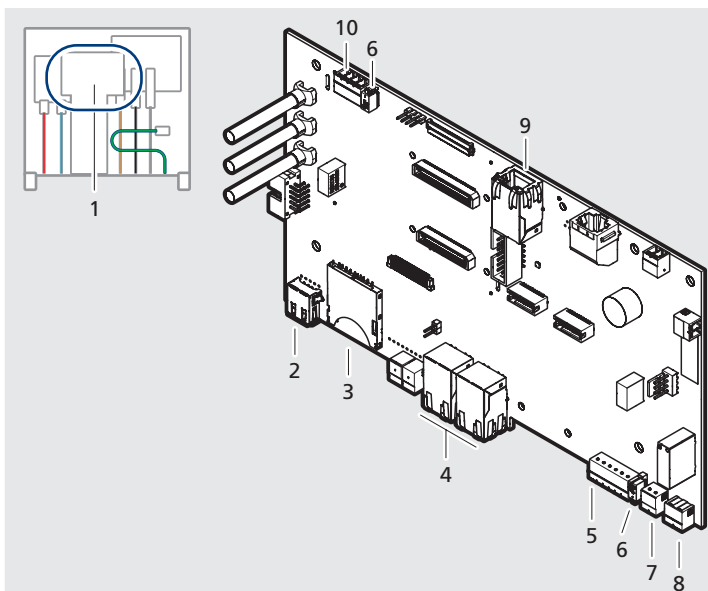
6. PE connection



7. Status LED

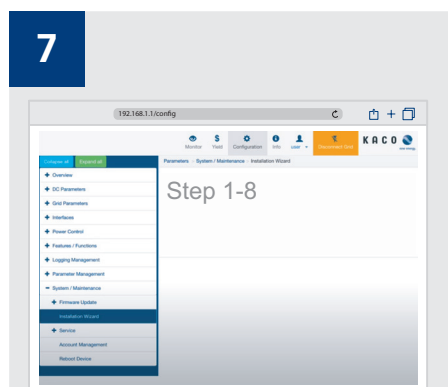
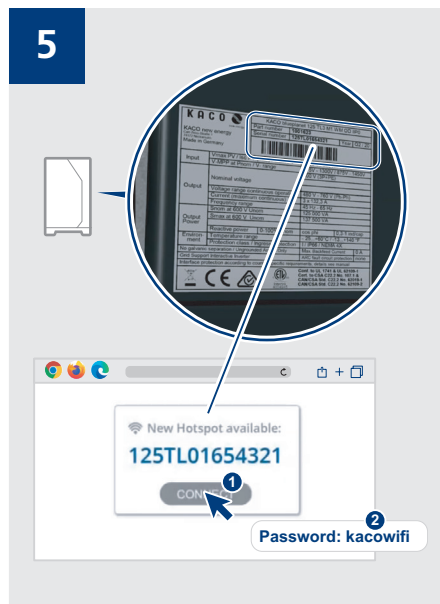
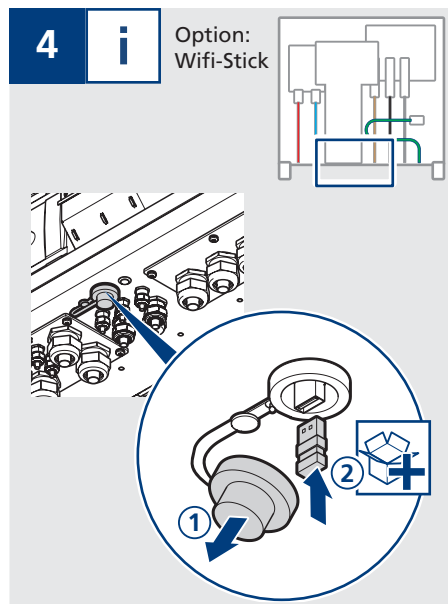
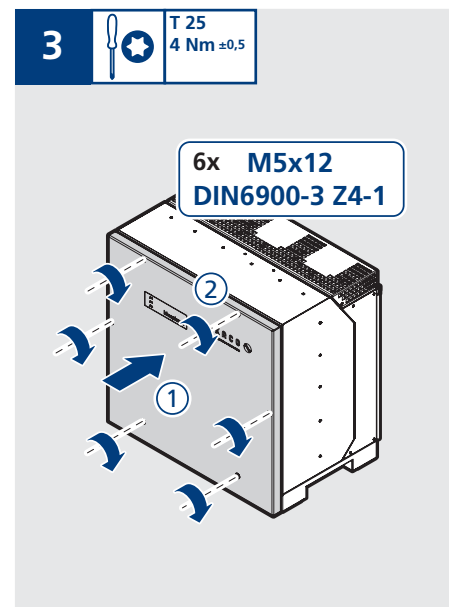
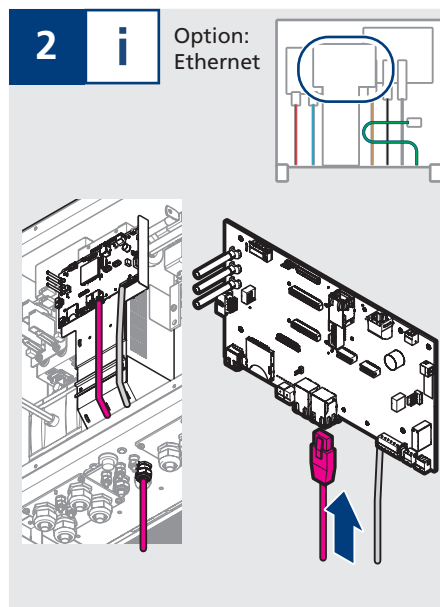
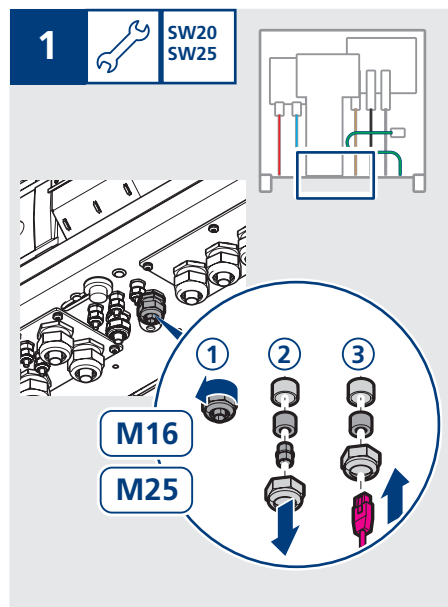


8. Communication variants



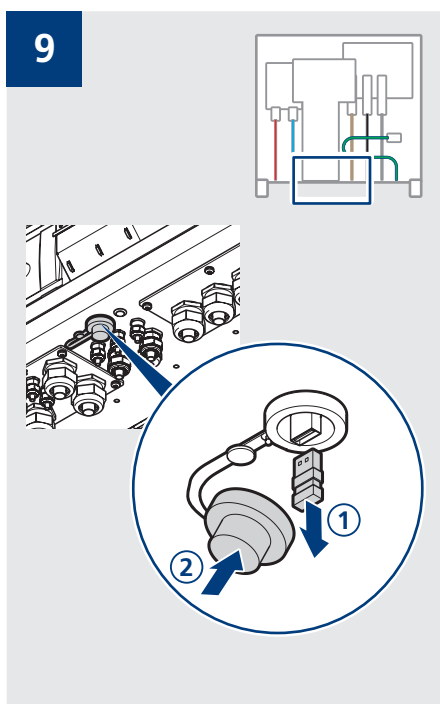
- 1 Communication board
- 2 USB socket
- 3 SD slot
- 4 Ethernet for network connection DHCP
- 5 RS485 - standard
- 6 DIP switch - Activate terminating resistor (2x)
DIP switch must be activated if KACO inverter or String Combiner is terminal device (120 mOhm).
Upper DIP switch: to String Combiner
Lower DIP switch: to inverter.
- 7 INV OFF - Connection for remote control devices - 24V(+/-20%) /1A (min. 15mA)
- 8 ERR - Connection for external mains protection component (fault signal relay)
- 9 Ethernet - Only for commissioning via static IP
- 10 RS485 - Connection for string combiner (CON 200)

9. Initial commissioning

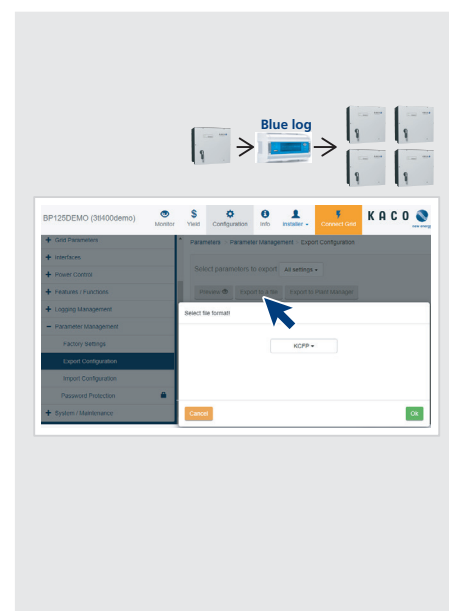


 During initial installation, the installation wizard starts automatically.

Initial start-up via WiFi - For further options, see the manual.



10. Create Report & Slave-files



11.Group update / Group parameterization

1

Blue log →

The screenshot shows the X-ONE web interface. In the left sidebar, the 'Firmware update' button is highlighted with a blue circle and an arrow pointing to it. The main area shows a table of installed inverters.

Device name	Address	Model	Serial number	Firmware
eb-F1-125TL01601124	192.168.1.101	eb-F1	125TL01601124	02.26-6a0f937b
eb-F2-125TL01602855	192.168.1.102	eb-F2	125TL01602855	02.26-6a0f937b
eb-F3-125TL01604979	192.168.1.103	eb-F3	125TL01604979	02.26-6a0f937b
eb-F4-125TL01604956	192.168.1.104	eb-F4	125TL01604956	02.26-6a0f937b

2

Blue log →

The screenshot shows the 'Inverter firmware update' dialog box. The 'FTP account' tab is selected. It contains fields for 'FTP username' and 'FTP password'. A blue circle highlights these fields, and a 'Save' button is visible at the bottom right.

3

Blue log →

The screenshot shows the 'Inverter firmware update' dialog box. The 'FTP upload' tab is selected. It contains a file selection area with a 'Select file' button and an 'Upload' button. A blue circle highlights the 'Select file' button.

4

Blue log →

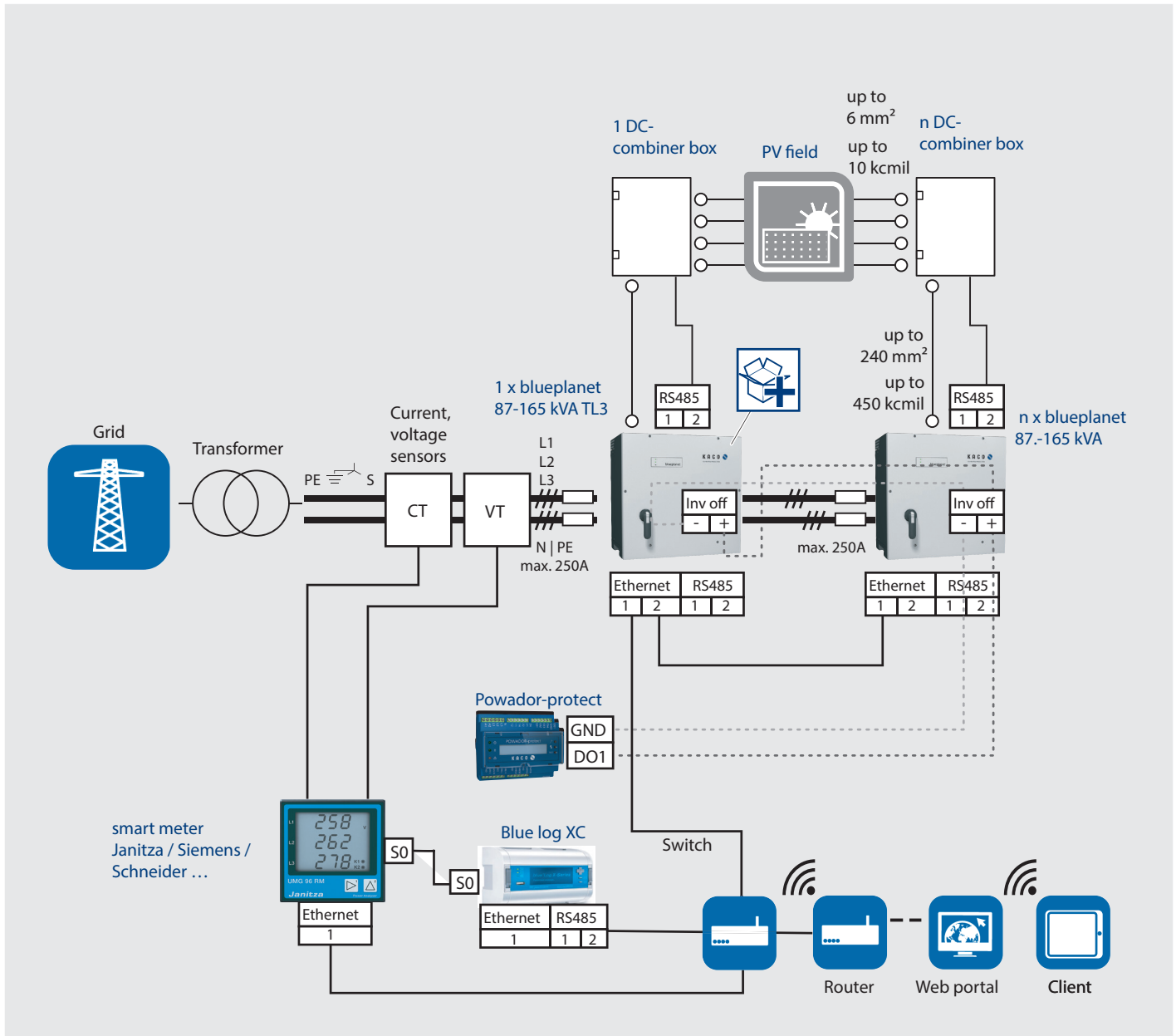
The screenshot shows the 'Inverter firmware update' dialog box. The 'Apply update' tab is selected. It contains a table of inverters to be updated. A blue circle highlights the 'Apply update' button.

Device name	Firmware	Status	Update progress
eb-F1-125TL01601124	02.26-6a0f937b		
eb-F2-125TL01602855	02.26-6a0f937b		
eb-F3-125TL01604979	02.26-6a0f937b		
eb-F4-125TL01604956	02.26-6a0f937b		

12.Registration Portal

The screenshot shows the KACO New Energy Registration Portal. It features a login form with fields for 'Title', 'First Name', and 'Last Name'. A QR code is displayed at the bottom right, and a blue circle highlights the QR code area.

13. System overview



new energy.

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