For Great Britain only: Compliance with Accelerated Loss of Mains Change Programme (ALoMCP)

Powador 10.0 – 20.0 TL3, Powador 30.0 – 72.0 TL3, blueplanet 3.0 – 10.0 TL3, blueplanet 15.0 – 20.0 TL3, blueplanet 50.0 TL3

Application instructions

for installers

(Note Software-Version: Page 4)

1   Application

We have provided you with an intuitive web-based user interface for remote configuration of a KACO inverter which is connected to a network.

Figure 1.   Web-based user interface - data view

Enter the unit's IP address (e.g. http://192.168.100.13) into the address bar of a common internet browser to gain access to the user interface. You will find the inverter IP address in the menu "Setting" >> "Network" >> "Connection status" via Show button.
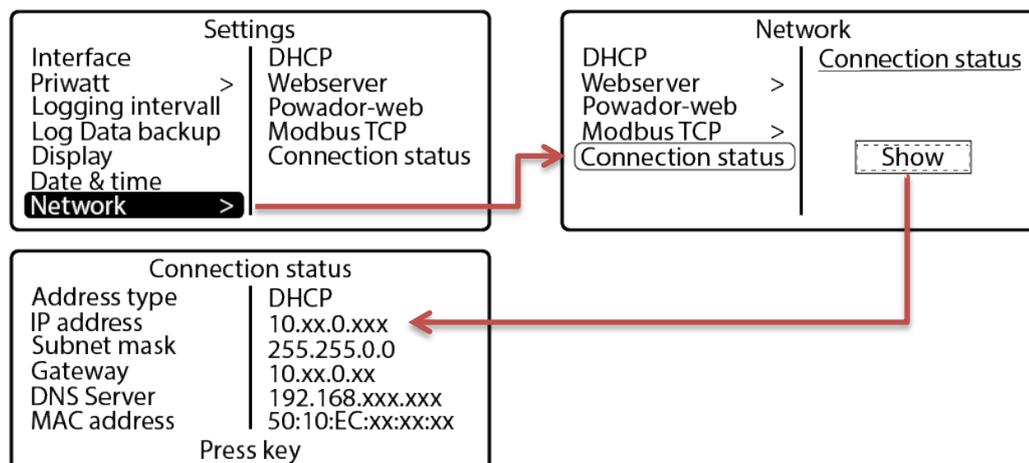

Figure 2.   Access to remote config via the webserver menu interface on the inverter

It is only possible to configure the inverter remotely if this function has been activated locally via the inverter's webserver menu on the unit.
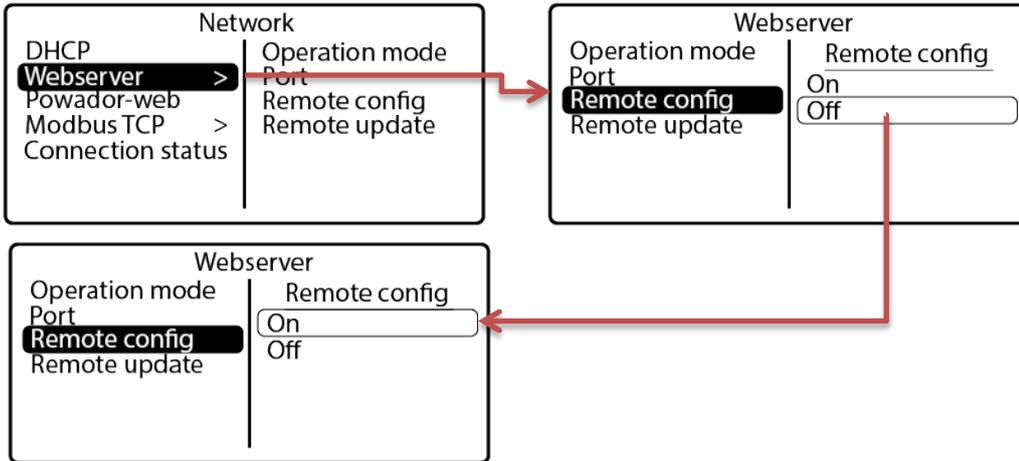
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Figure 3.   Access to remote config via the webserver menu interface on the inverter
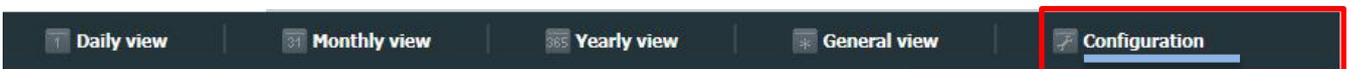

Figure 4.   Selection bar with remote config activated

Following activation, the link "Configuration" is available in the selection bar on the web user interface.

If you are planning to update the unit remotely, this function must also be activated in the inverter's webserver menu. This is only possible if the function has been activated locally via the inverter's webserver menu on the unit.
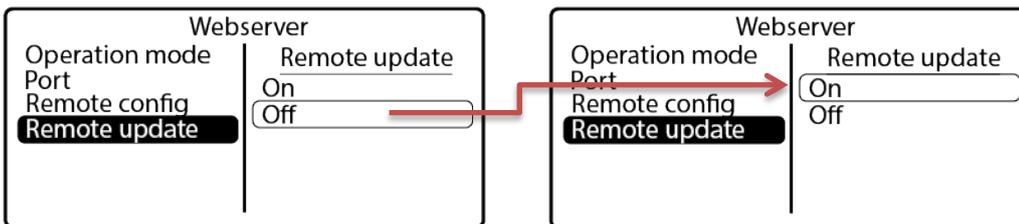

Figure 5.   Remote update activation via the webserver menu interface on the inverter

2   Safety

	CAUTION
	Unauthorised access can lead to damage
	If unauthorised persons gain access to the system, unit settings could be manipulated which could seriously impair the functionality and safety of the unit and lead to damage.
	> The following functions must only be used on the local network or via a secure VPN connection.

(i)	**NOTE** The update can take several minutes. The "Operating" LED flashes during the update process. The inverter may restart several times. The following message appears if the DC power supply is too low: "DC power supply too low! Perform update anyway?". In this case, select "No" and perform the update with a stable voltage supply.
	The unit-specific and serial number dependent password is required to set "critical" parameters. The unit-specific password can be obtained from KACO customer service, if necessary. Login data must be stored in a location which is not accessible to third parties.

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Notification window prior to changing "critical" parameters	Operation and control
Please enter device password To modify this property, it is necessary to enter the device password [	] Confirm	✓ Enter unit-specific password into *framed free-text section*. ✓ Acknowledge entry by clicking the *"Confirm"* button.

Figure 6.   Enter unit-specific password

ACCESS DATA *)

The two accounts "user" (restricted configuration options) and "installer" (advanced configuration options) are available for remote access to the unit:

User name: installer

Password: Mo_g010rP! (initial setting)

*) **Important**: Following initial start-up, you must change the access data via one of the menu items "Change user password" or "Change installer password" in the *Main menu* under *Functions*.

NOTE

The functions described in the following chapter are only available on the inverters listed and with the existing software package (see chapter 5.1).

Configurations and software updates may only be carried out if there is a suitable DC power supply.

DEVICE-SPECIFIC NOTE

Modified parameters in the device series blueplanet 15.0-20.0TL3 from Software Version V4.x are only adopted when the device is restarted, but at the latest on the next day.

SOFTWARE VERSION

Description is created for the devices with SW version ≥ V4.xx

For devices with SW version ≤ V3.58: existing deactivated vector shift behavior compliant the ALoMCP.

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3 Navigation

The following table will support you during the remote config process using the web user interface and shows you the input screens behind the "Configuration" link.
Input screens that are marked on the side(user) are only available to installers, service partners and technicians and can not be accessed by system operators.

Note: In the case of inactive entry or use, the interface is made available for 10 minutes for configuration purposes. Once this time has elapsed, you must log in again.

User	Inverter input screen	Operation and navigation
	Configuration Figure 7. Configuration login screen	✓ Access data: Enter user name and password into the *framed free-text sections.* ✓ Confirm the entry with the *"Login"* button. ✓ Clicking the *"Back"* button will take you back to the previous input screen at any time. **Note:** If you move your *cursor* over a button, further information regarding entry or relevant warning messages will be displayed.
	Figure 8. Inverter settings tree structure	**Note:** A specific parameter or function tree structure for the inverter is adopted according to your login details. ✓ By clicking the "+" box, the folder opens up to display other submenu items. ✓ Clicking the "Logout" button will cancel the current operation and you will be taken back to the data view.
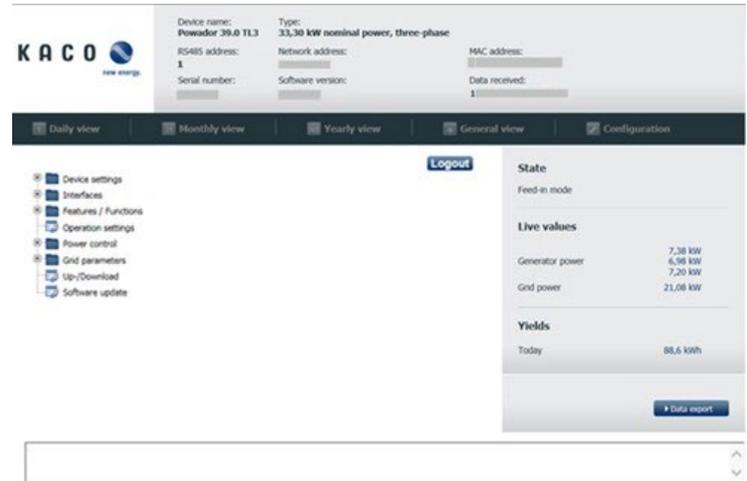
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| User	Inverter input screen	Operation and navigation

Figure 9.   Menu item Features / Functions

Required Enhanced Island Function Settings in Great Britain.

- ✓ Open the folder "Features / Functions" and selected the menu item "Enhanced Island Detection".
- ✓ Select one of the next described Option.

Note: Do not use "Enhanced Rocof" or "Frequency shift".

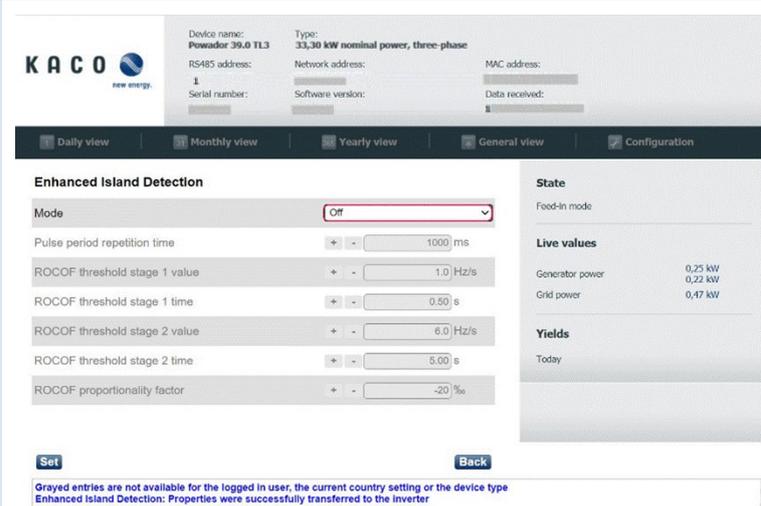*Figure 10.   Enhanced Island Detection – Setting ROCOF*
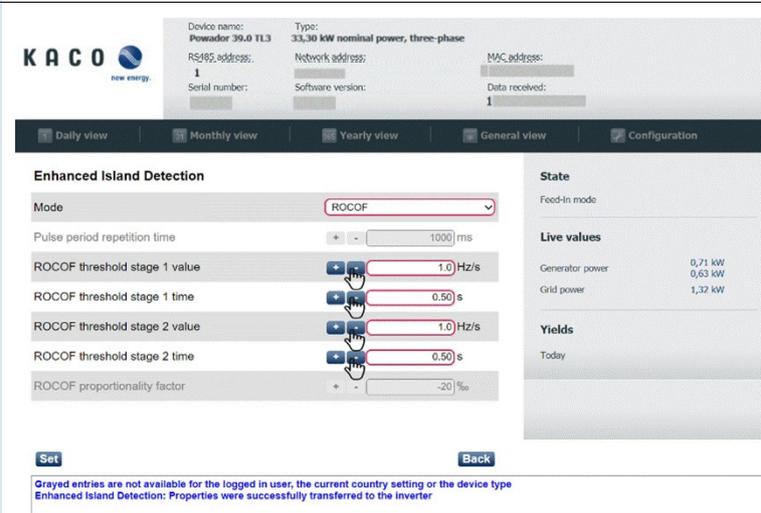
Option 1 – ROCOF - Preferred

Note: Adjust following paraments to compliance **ROCOF** function.

- ✓ Set active box threshold stage 1 value or configure it using the "+/-" buttons to **1.0 Hz/s**.
- ✓ Set active box threshold stage 1 time or configure it using the "+/-" buttons to **0,5 s.**
- ✓ Set active box threshold stage 2 value or configure it using the "+/-" buttons to **1.0 Hz/s**.
- ✓ Set active box threshold stage 2 time or configure it using the "+/-" buttons to **0,5 s.**
- ✓ Set the selection by clicking the *"Set"* button.

Note: Observe the further information in the comments box below.

Figure 11.   Enhanced Island Detection – Setting Off

Option 2 - Off

Note: Grid operators require shutdown of the device with standalone grid detection.

- ✓ Deactivate the enhanced island detection mode via the dropdown menu "∨" field to **Off** if possible, at your location.
- ✓ Set the selection by clicking the *"Set"* button.

Note: Observe the further information in the comments box below.

4   More information

> **NOTE**
> Information concerning the specific functionality of menu entries can be found in the operation manuals on our homepage.

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