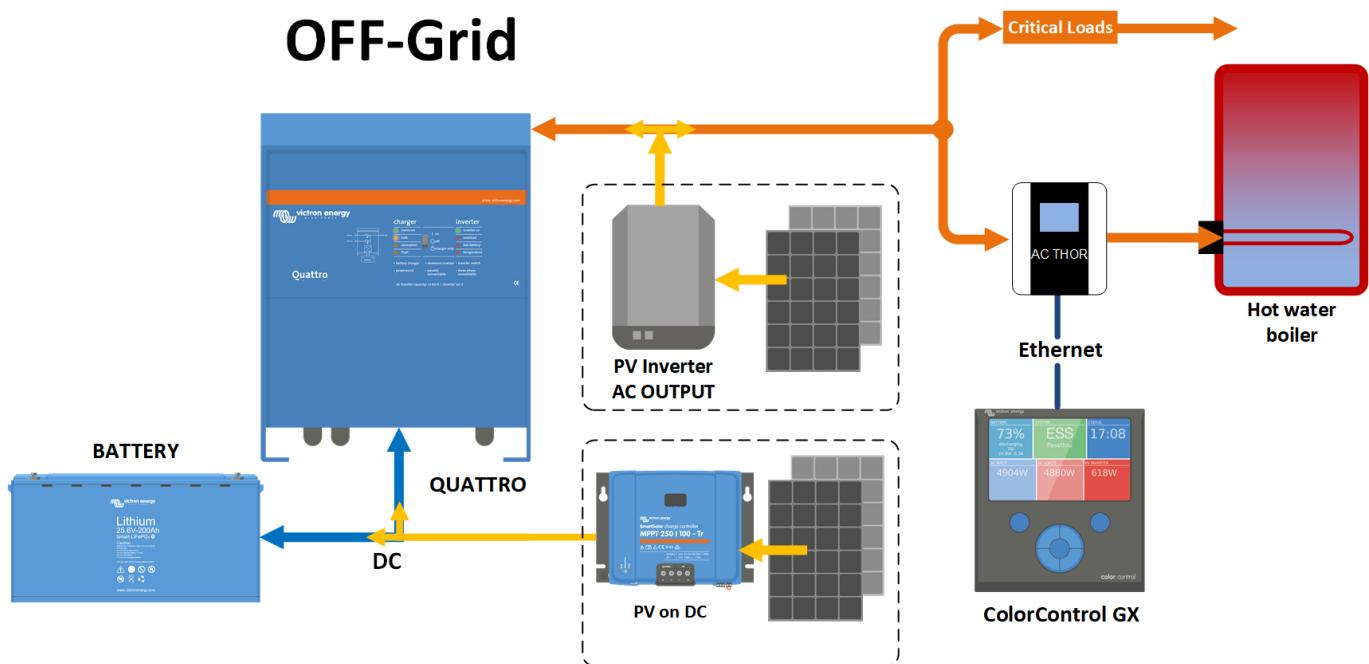


my-PV AC-Thor and Victron Energy Off-Grid

For an Off-Grid system, when the batteries are full and we still have AC coupled PV power available, that power is lost. We could use that power and send it to a boiler or something similar. For this we are using a device from my-PV called AC-Thor.

The schematic for this kind of system looks like this (the meter from my-PV is not needed in this setup):



First setup:

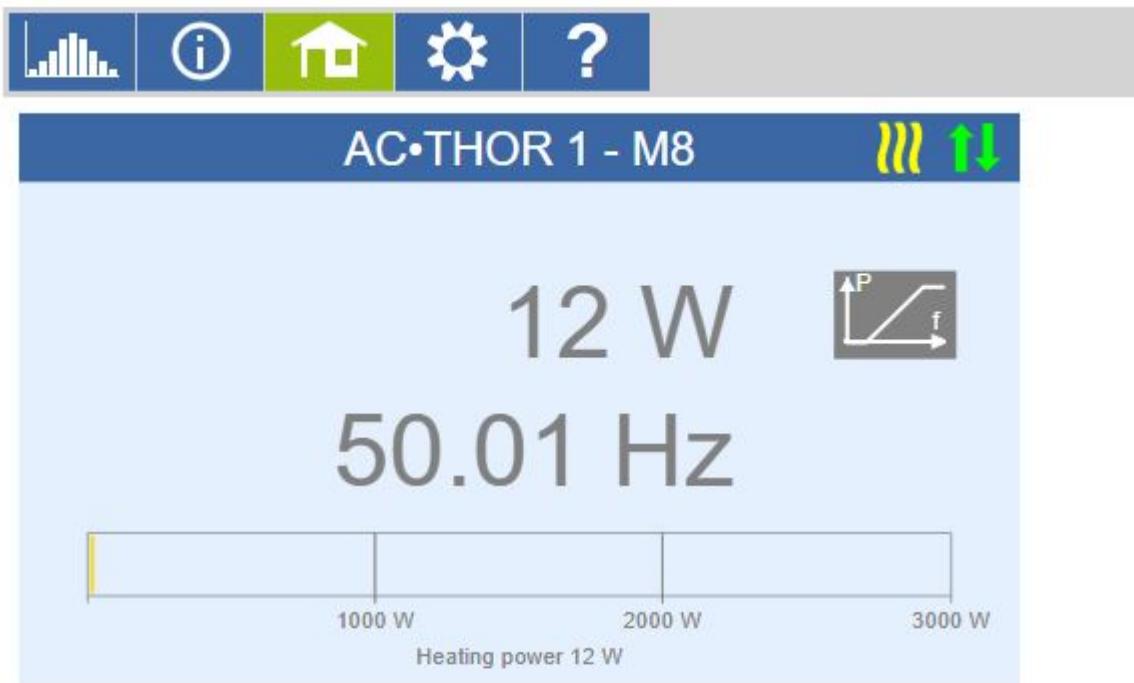
AC-Thor device must be connected on the AC output of the Multi/Quattro just like the AC coupled PV inverter.

Using the device touch screen, select Information menu and go to the third screen to find the current IP address.



Open a browser, put that IP address into the address field and press enter

The webpage should look like this:



Device state

- Off
- On

Firmware Version: a0010006

Internet connection required for help.

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Please check the firmware version on AC-Thor device, must be at least a0010006. Go to setting and select the "Mode". For ESS select "Hot water 3KW", for off-grid systems, select "Frequency-Mode".

The screenshot shows the configuration interface for the AC-THOR 1 - M8. At the top, there are five icons: a bar chart, a circle with an 'i', a house, a gear, and a question mark. Below the icons, the text 'Access level' is displayed. A dropdown menu shows 'Level 3' and a 'Save' button. To the right, there is a 'Password' field with a red '!' icon. Below this, the text 'Mode' is displayed, followed by a dropdown menu showing '8: Frequency-Mode' and a 'Save' button.

Go to Frequency-Modus and define Frequency start value 50.1Hz and the Frequency end value 51Hz.

Frequency-Modus

The screenshot shows the Frequency-Modus configuration interface. It has two input fields: 'Frequency start' with the value '50.1 Hz' and 'Frequency end' with the value '51 Hz'. Below these fields is a 'Save' button.

On the Multiplus or Quattro, using Ve.config, add the PV Inverter support Assistant.

→ The correct working of the frequency shift in the PV Inverter assistant needs to physically have a PV

inverter installed on ACout which can feed into the Victron system.

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