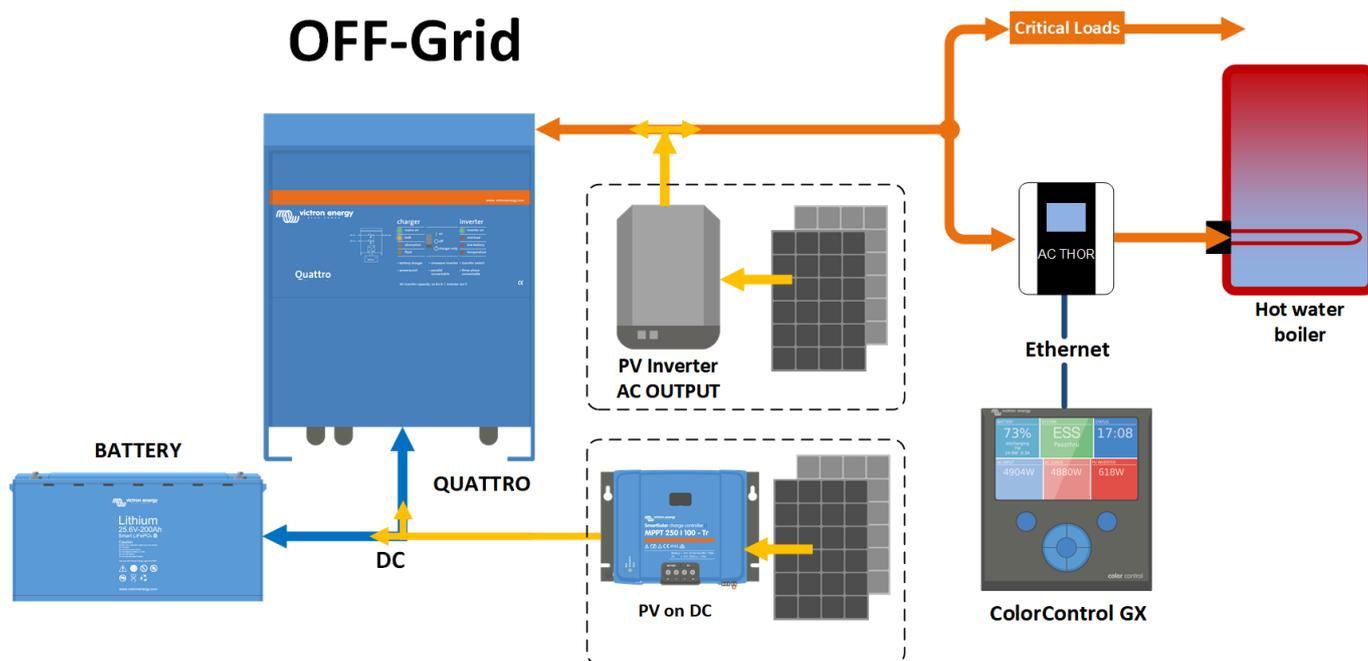


# my-PV AC-Thor and Victron Energy Off-Grid

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 settings menu. At the top, there is a navigation bar with icons for a bar chart, information, home, settings, and help. Below this, the 'Access level' section has a dropdown menu set to 'Level 3' and a 'Password' input field. A 'Save' button is located below these fields. The 'Mode' section has a dropdown menu set to '8: Frequency-Mode'. A 'Save' button is located below this field.

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' settings. It features two input fields: 'Frequency start' with the value '50.1 Hz' and 'Frequency end' with the value '51 Hz'. A 'Save' button is located below these fields.

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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