

# Fronius mit Victron im Insel Betrieb

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<https://www.victronenergy.com/live/assistants:pv-inverter-support>

## Q1 - The system is locked to 53 Hz and does not resume

Its locked to the upper limit because of a battery over voltage.

The frequency will reset itself automatically, in case one of the following conditions is met:

1. the battery voltage drops below the re-bulk voltage threshold: the voltage that makes the system restart the charge cycle. For lithium batteries this threshold is defined as the float voltage minus 0.8V. Note that when float is configured to 54.8 volts or higher, then the battery voltage needs to drop below 54V. For lead batteries, the re-bulk voltage is defined as 5.2V below the configured float voltage. Unless that is configured to 56.8V or higher: then the battery voltage needs to drop below 51.6V.
2. the system is connected to mains or generator power. As soon as it sees a voltage on AC-in, it will sync the AC frequency to 50Hz and then connect.

Alternatively, power cycle the system with the rocker switch on the front panel on the inverter/charger.

To prevent this from happening again, check your configured absorption voltage: setting it lower will prevent the overvoltage condition from happening again.

Notes:

- all mentioned voltages are for 48V systems. For 24V divide all values by 2, and for 12V divide by four.
- the mentioned 53 Hz is the PV Inverter disconnect frequency as configured in the Assistant, default 53 Hz.