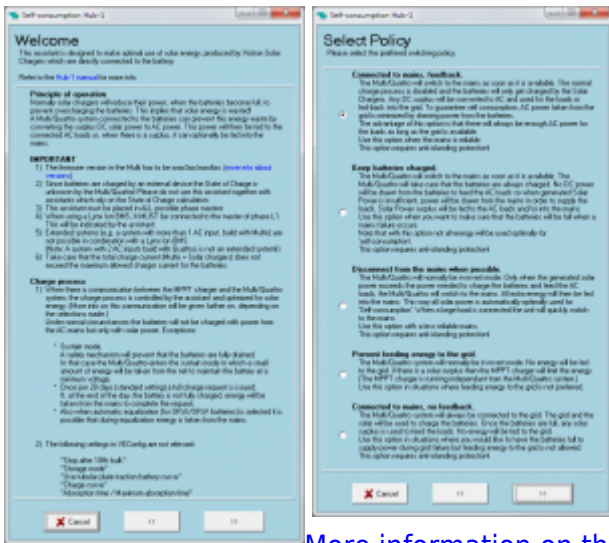


# Overview of available Assistants

Click on the thumbnails to see the full screenshot.

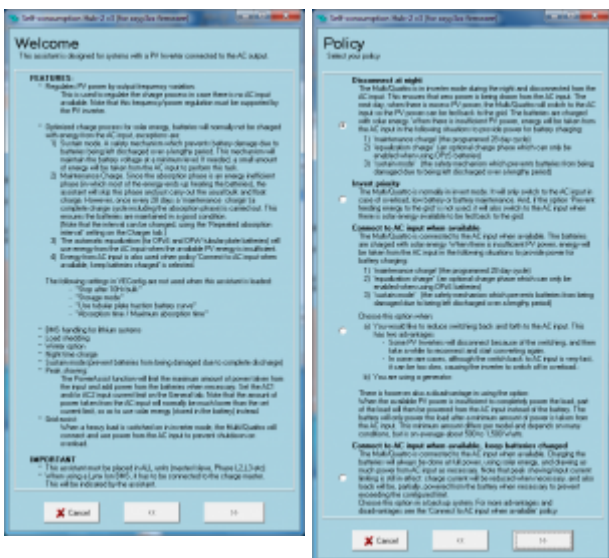
## All-in-one Assistants

### Self-consumption Hub-1 - for dc-coupled systems



Only for hardware with new microprocessor (26 or 27).  
[More information on the Self-consumption hub-1 Assistant.](#)

### Self-consumption Hub-2 v3 - for ac-coupled systems



Only for hardware with new microprocessor (26 or 27).  
 Take note of the [factor 1.0 rule](#). See also our [blog post on the Self-consumption Hub-2 Assistant](#).

### Self-consumption Hub-2 v2 - for ac-coupled systems

Use only on hardware with old microprocessor (19 or 20). On newer systems, use the version 3 instead, see above. Take note of the [factor 1.0 rule](#).

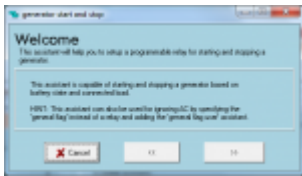
## Self-consumption Hub-4 / grid parallel



Only for hardware with new microprocessor (26 or 27). See the also the [Hub4 / grid parallel manual](#).

## Functional Assistants

### Generator start and stop



Automatically start and stop a generator based on battery state of charge and actual load of a system. Note that automatic genset start/stop functionality is also available on the Virtual switch tab, which is easier to configure and does not require uploading another type of firmware. See the PDF [VE.Bus firmware versions explained](#) for more information about the different firmware types.

This Generator start and stop Assistant is also the one to use to [configure Ignore AC Input using Assistants](#).

### AC Current sensor



Reads PV Inverter current, using an AC Current sensor (CSE000100000), connected to a VE.Bus product. More information available in the [AC Current sensor manual](#).

### Silence fan



Disable the fans at night with a simple external switch, to ensure a quiet night. Very useful for boats and motorhomes.





Required in combination with a [Lynx Ion BMS](#), used with our [24 V 180 Ah Lithium system](#). This Assistant can also be used to control the Multi with a third party Lithium system including BMS. See our PDF [Connecting other lithium battery systems to Multis and Quattros](#) for more information.

## PV Inverter support



Note that this is a deprecated Assistant, and only useful in off-grid ac-coupled systems running on a Multi or Quattro with the old microprocessor (19 and 20). See these two configuration examples for more information:

- [How to add an Assistant from start to finish](#)
- [Ignore AC input using the Generator Assistant](#)

And take note of the [factor 1.0 rule](#).

## Advanced Assistants

### Programmable relay



### Relay locker



# General flag user



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