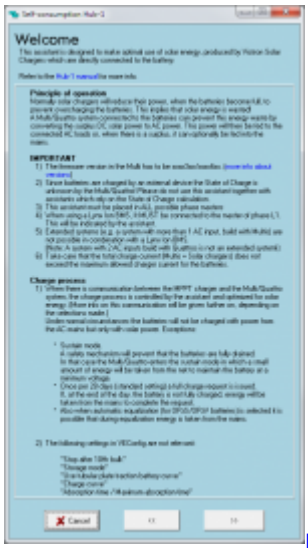
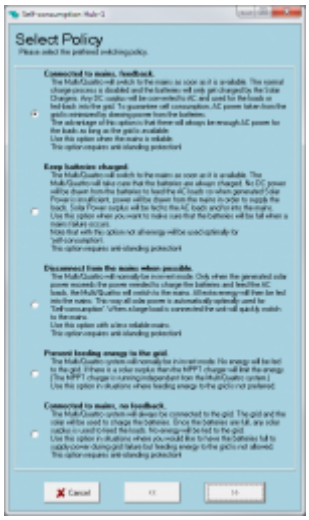
Overview of available Assistants

Click on the thumbnails to see the full screenshot.

All-in-one Assistants

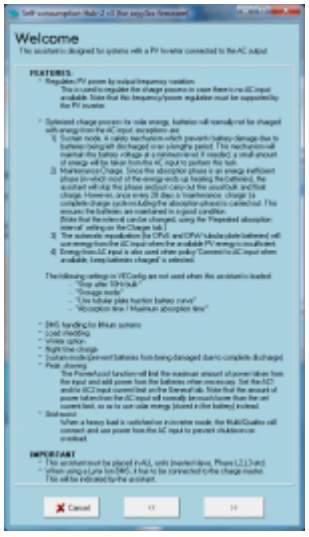
Self-consumption Hub-1 - for dc-coupled systems

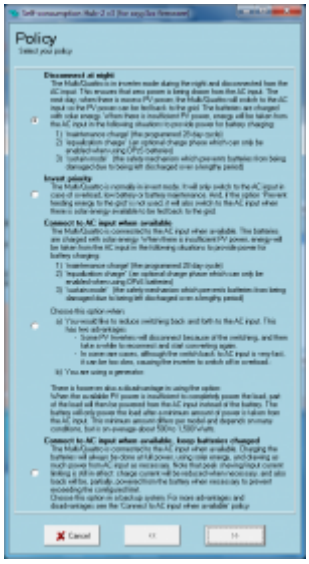




Only for hardware with new microprocessor (26 or 27).
More information on the Self-consumption hub-1 Assistant.

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

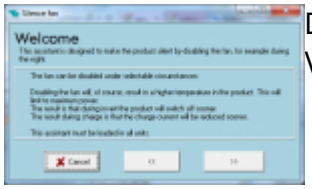
Automatically start and stop a generator based on battery state of charge and actual load of a system. Note that automatic genset start/stop functionality is also available on the Virtual switch tab, which is easier to configure and does not require uploading another type of firmware. See the PDF VE.Bus 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.

Input current limit control

Automatically set the input current limit to a predefined value based on the state of an aux input or rpm measured with the 1140 interface. Used in the following systems:

1. A variable speed generator, flywheel generator or waterturbine, where the available AC power depends on the rpm. See the Interface 1140 (ASS030510000) manual for more information.
2. Vehicles or boats that have two different types of shore plugs. One high power plug and one low power plug. Use the assistant to automatically set the input current limiter based on the used plug.
3. And there are more situations that can come to mind, for example a Multi connected behind a transfer switch.

Charge current control

Sets the charge current to a predefined setpoint, based on the active AC Input (for Quattros) or the state of an aux input.

Safety switch

Used to wire an emergency stop button to a VE.Bus system.

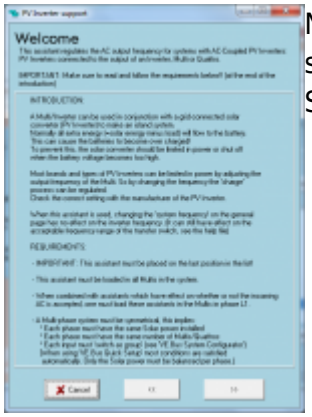
VE.Bus BMS support

Required in combination with a VE.Bus BMS, used with our 12.8 V Lithium batteries. This Assistant communicates with the BMS and controls the Multi based on the BMS measurements.

Lynx Ion BMS support

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 usefull 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

~~DISQUS~~