

Overview of available Assistants

Click on the thumbnails to see the full screenshot.

1. Assistants related to Solar

Make sure to read [Configuring solar systems with Quattros and Multis](#) when configuring a solar system.

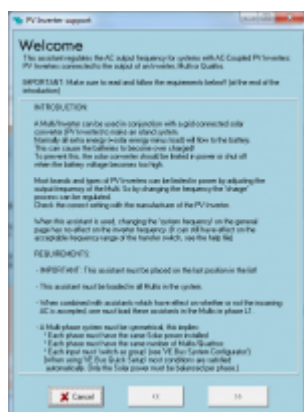
ESS Assistant



For Energy Storage Systems (ESS). The Assistant manages the prioritising of Solar Power.

[Documentation.](#)

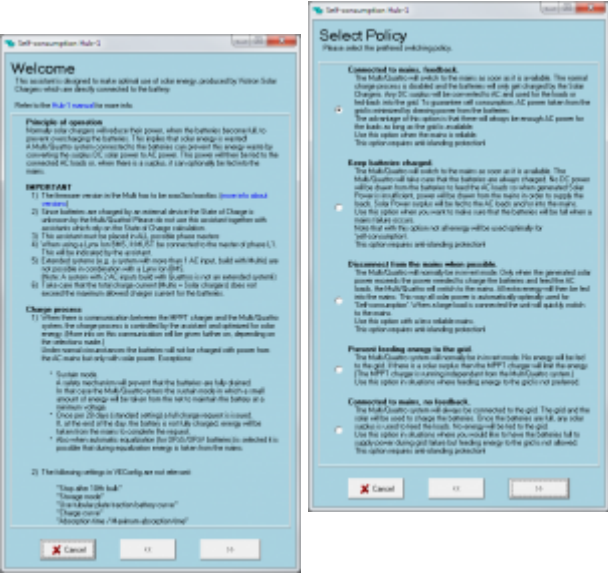
PV Inverter support



Use this Assistant in Off-grid systems that have AC-Coupled solar power: a grid-tie PV inverter connected to the AC out of a Multi or Quattro inverter/charger.

[Documentation.](#)

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



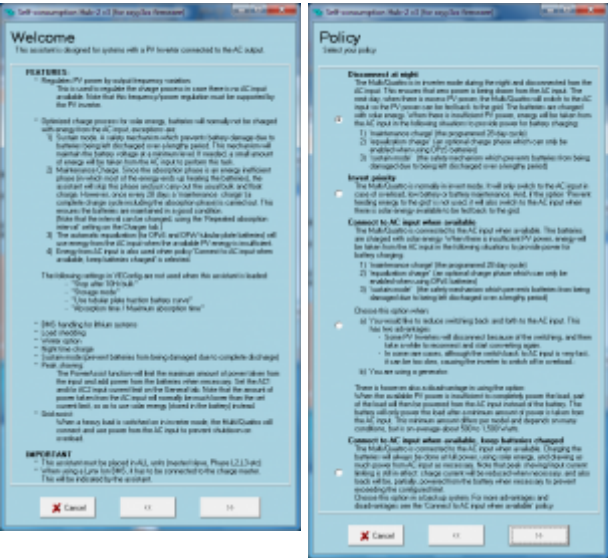
Note that Hub-1 is deprecated in favor of [ESS](#).

[Hub-1 Assistant documentation](#).

Hub-1 is only for hardware with new microprocessor (26 or 27).

[Hub-1 and Hub-2 Assistant notes](#)

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



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

Deprecated in favor of [ESS](#).

Only for hardware with new microprocessor (26 or 27).

[Hub-1 and Hub-2 Assistant notes](#)

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

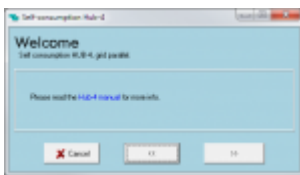
Use only on hardware with old microprocessor (19 or 20). On newer systems, use the version 3 instead, see above.

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

Note that all Hub-2 Assistant versions have been deprecated in favor of [ESS](#).

[Hub-1 and Hub-2 Assistant notes](#)

DEPRECATED Self-consumption Hub-4



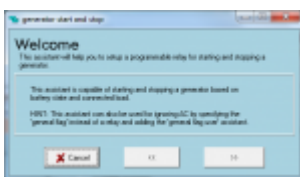
Do not use Hub-4 for new installs. It is deprecated in favor of [ESS](#).

[Hub-4 manual](#).

Only for hardware with new microprocessor (26 or 27).

2. 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](#).

Input currency limit updated

Welcome

The current default AC input limit for dependent ratings measured on the business type is based on the business measured by the TMS rating: 1,500,000,000. [Click here for more info.](#)

Remarks:

- Independently variable input should be archived for AC input.
- Stochastic input limit should also be archived.
- The TMS business customer is working together with the VJ. See Item 1.
- Higher system's input limit will depend on all active user. (It is allowed to give different support per user).
- When the requirement becomes lower than the historical input limit, the system will switch to event.

Cancel OK No

Charge control control

Close

Welcome

The user adjust the D.C. charge current depending on the attached AC input or the voltage measurement on an auxiliary input pins.

Remarks:

- The value, which the assistant must be programmed in mA (1 mA = 100 μ A).
- When this assistant is programmed into another unit you will get confirmation that this assistant is not needed.

Cancel OK 10

[illegible]



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.

Two-Signal BMS support (previously called 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.

3. Advanced Assistants

Programmable relay



Relay locker



General flag user



DISQUS

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Last update: **2019-01-22 10:16**

