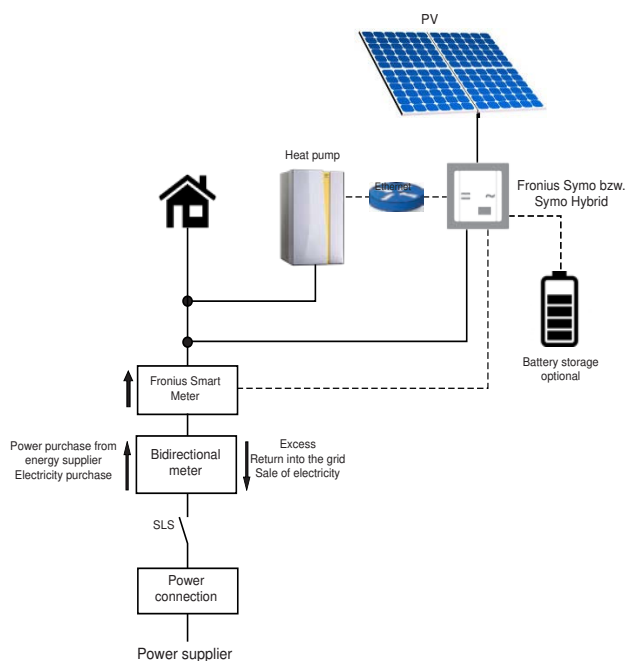


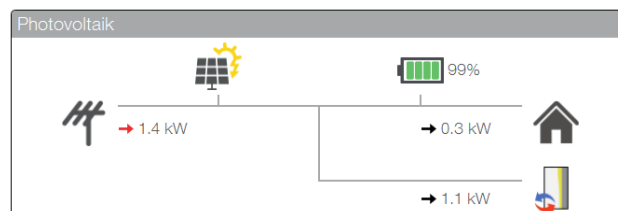
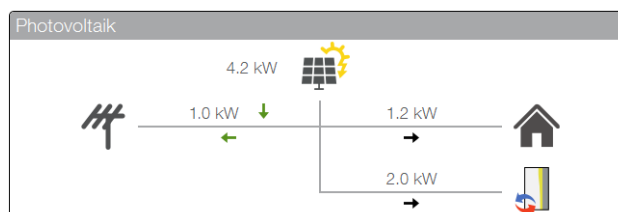
2.2.6. Communication with Fronius PV systems (Symo/Symo Hybrid/GEN24)

When communicating with Fronius systems, it is important that the heat pump and the Fronius system (Symo / Symo Hybrid / GEN24) are in the same network. Communication between the heat pump and the inverter takes place automatically via the network. The surplus electricity is used for domestic hot water preparation, heat storage and heating management.

The excess current for the heat pump depends on the charge level of the battery. If the battery charge level is low, it is charged first. If the battery charge level is high, the energy from the battery is also used for heat pump operation.



Integration Fronius Inverter

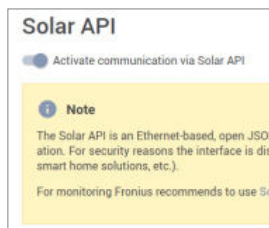
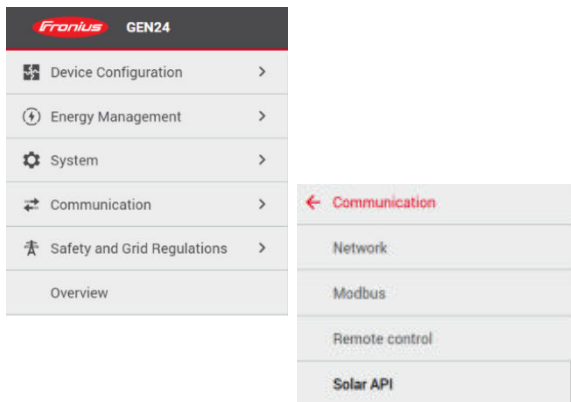


The Fronius Smart Meter is absolutely essential for communication between the iDM heat pump and the Fronius system (Symo / Symo Hybrid / GEN24)! The „Solar API“ interface must be activated on the Fronius system!



Communication with several inverters is also possible (PV values are added together). The Fronius Smart Meter is only required as an electricity meter for one inverter.

2.2.6.1. Activate „Solar API“ interface



The „Solar API“ interface can be activated in the local network by entering the IP address of the inverter in a web browser.

You must log in as a „Technician“ (password entry required, usually the same password as for „Customer“ login).

Then select „Communication“ in the menu and then „Solar API“ (possibly also in the „Remote control“ subfolder).

Communication via Solar API can then be activated there.

2.2.6.2. Systems with Fronius Ohmpilot

The Fronius Ohmpilot is a consumption controller that uses surplus PV power to heat water. The Ohmpilot is taken into account in our software, i.e. for systems with Fronius inverters and Fronius Ohmpilot, the „Priority in case of surplus“ parameter appears in the PV menu when configuring the „Fronius“ PV signal. The surplus PV current that the Ohmpilot uses for the electric heating elements is then evaluated as „surplus“ in the control system and as soon as this value is higher than the value that the Navigator control system calculates for operation with PV current, the heat pump starts.

