

2.2.4. Communication via Solar-Log™

The intelligent communication interface for optimizing self-consumption and monitoring the PV system communicates with the NAVIGATOR controller 2.0 via a network connection. For this purpose, the Solar-Log™ and the heat pump are connected to a switch, hub or router (provided by the customer). Alternatively, the Solar-Log™ and the heat pump can also be connected directly. The network socket is located on the outside of the heat pump casing or inside the heat pump on the electrical system (for AERO ILM heat pumps).

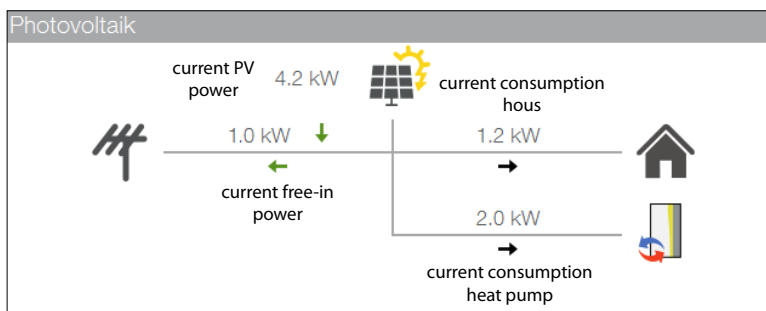
The heat pump is operated with the **surplus electricity**.

Advantages:

- » Communication with many common inverter types (e.g. Kostal, Solar Edge, SMA,...)
- » Increase and optimization of self-consumption
- » Operation of the heat pump with actual surplus electricity
- » Forecast data (2 days)
- » Network connection



PV signal „Solar-Log“ navigator control setting



Display on navigator control



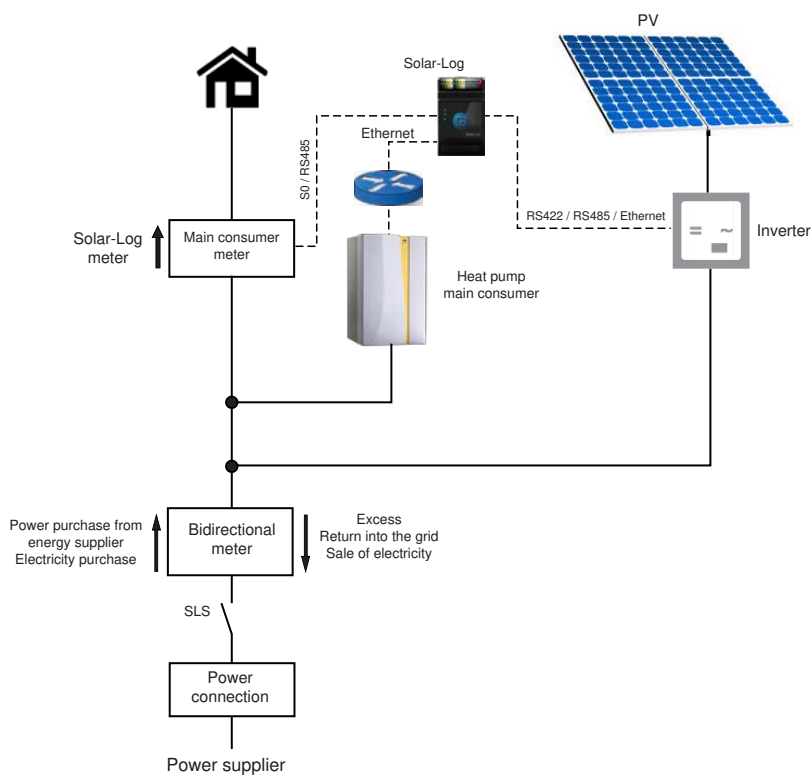
Communication with PV systems with battery storage is not possible!



For more information on the supported inverter types and the possible Solar-Log™ models, visit www.solar-log.com

2.2.4.1. Heat pump as the main consumer

If the consumption of the heat pump is not recorded via a consumption meter, the operating mode must be set to „Consumer“ in the Solar-Log™ under „Configuration | Devices | Configuration“.



Integration Solar-Log / Heat pump as main consumer

Solar-Log™ settings:

Configuration / Devices / Configuration / Configuration

Configuration

Device Configuration

Device: ?

Modell:

Address/Serial number:

Counter Configuration

Operating mode: ?

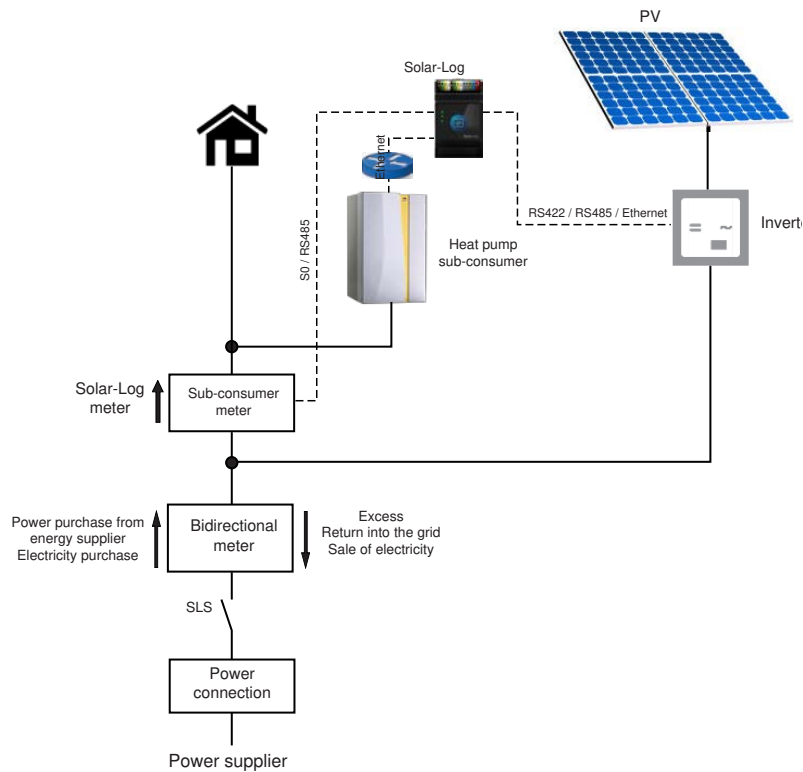
Module field, Power & Designation

Max. AC Power [W]	Designation
Device: <input type="text"/>	<input type="text" value="IDM"/>

Source: https://www.solar-log.com/manuals/manuals/de_DE/SolarLog_Handbuch_Smart_Energy_DE_01.pdf

2.2.4.2. Heat pump as under-consumer

If the consumption of the heat pump is recorded via a consumption meter, the operating mode must be set to „Underconsumer“ in the Solar-Log™ under „Configuration | Devices | Configuration“.



Integration Solar-Log / Heat pump as sub-consumer

Solar-Log™ settings:

Configuration / Devices / Configuration / Configuration

Configuration

Device Configuration

Device:

Modell:

Address/Serial number:

Counter Configuration

Operating mode:

Module field, Power & Designation

Max. AC Power [W]	Designation
Device: <input type="text"/>	<input type="text" value="IDM"/>

Source: https://www.solar-log.com/manuals/manuals/de_DE/SolarLog_Handbuch_Smart_Energy_DE_01.pdf