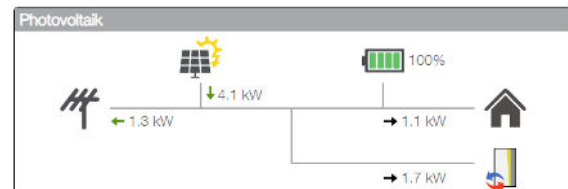
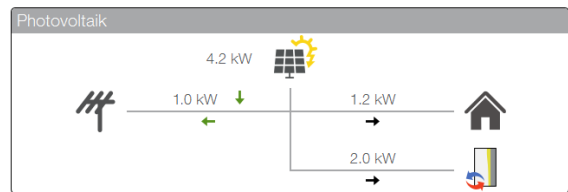
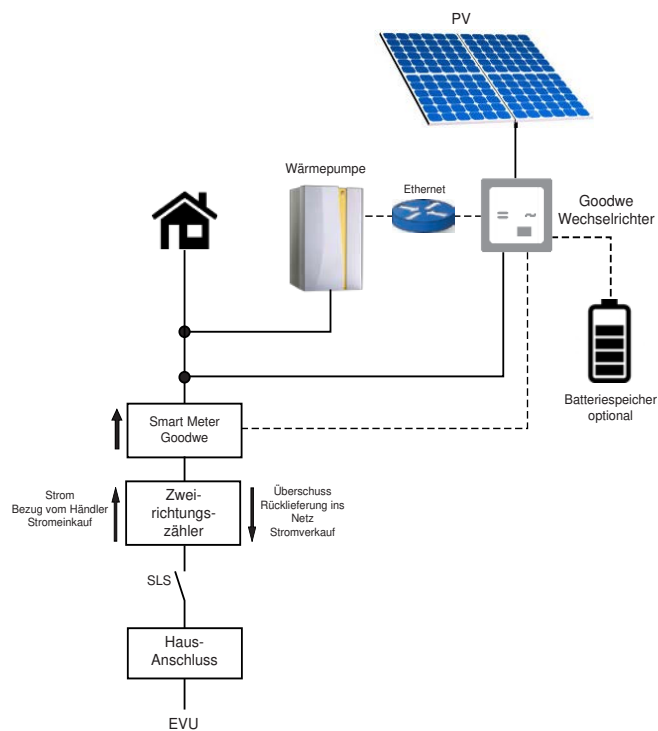


### 2.2.14. Communication with Goodwe PV systems

When communicating with Goodwe PV systems, it is important that the heat pump and the Goodwe system 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, the battery is charged first. If the battery charge level is high, the energy from the battery is also used for heat pump operation.



A suitable Smart Energy Meter from Goodwe must be installed so that the communication between the IDM heat pump and the Goodwe PV system functions properly and the corresponding data can be recorded.

**Communication with several inverters is currently not possible!**

### 2.2.14.1. Activate „Modbus TCP“ communication/interface

Modbus TCP communication is only supported by the following inverter models with the corresponding software version.

Product Series	Model Name	MODBUS TCP/IP		
		Compatibility	Firmware	SolarGo Version
ET	GW5K-ET/GW6.5K-ET/GW8K-ET/GW10K-ET/GW5KN-ET/GW6.5KN-ET/GW8KN-ET/GW10KN-ET	√	ARM 25 or higher	5.1.0 or higher
BT	GW5K-BT/GW6K-BT/GW8K-BT/GW10K-BT	√	ARM 25 or higher	5.1.0 or higher
EH	GW3600-EH/GW5000-EH/GW6000-EH/GW3600N-EH/GW5000N-EH/GW6000N-EH	√	ARM 25 or higher	5.1.0 or higher
EHB	GW5000-EHB/GW6500-EHB/GW8600-EHB/GW0010-EHB	√	ARM 25 or higher	5.1.0 or higher
BH	GW3k-BH/GW3600-BH/GW5000-BH/GW6000-BH	√	ARM 25 or higher	5.1.0 or higher

The Modbus TCP protocol can only be used via a wired Ethernet connection and the official Goodwe dongle. With a WLAN connection, Modbus TCP is deactivated by default; Goodwee must be contacted to activate Modbus TCP on the dongle.

- » Activate „Modbus TCP/IP“ in the SolarGO application
- » Set the Modbus ID to „1“
- » Set port to „502“
- » Network connection according to the following diagram

