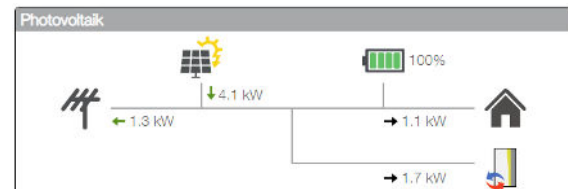
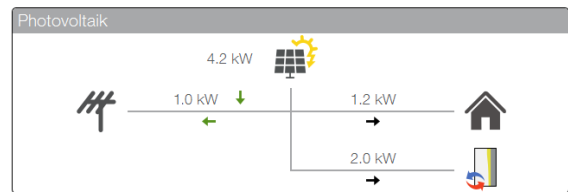
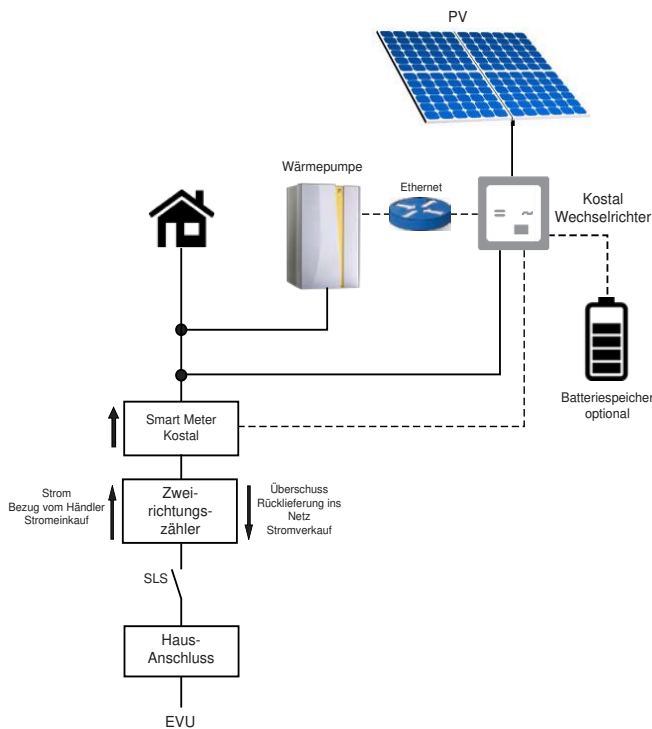


### 2.2.13. Communication with Kostal PV systems

When communicating with Kostal PV systems (Piko IQ / Plenticore / Plenticore Plus), it is important that the heat pump and the Kostal 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.

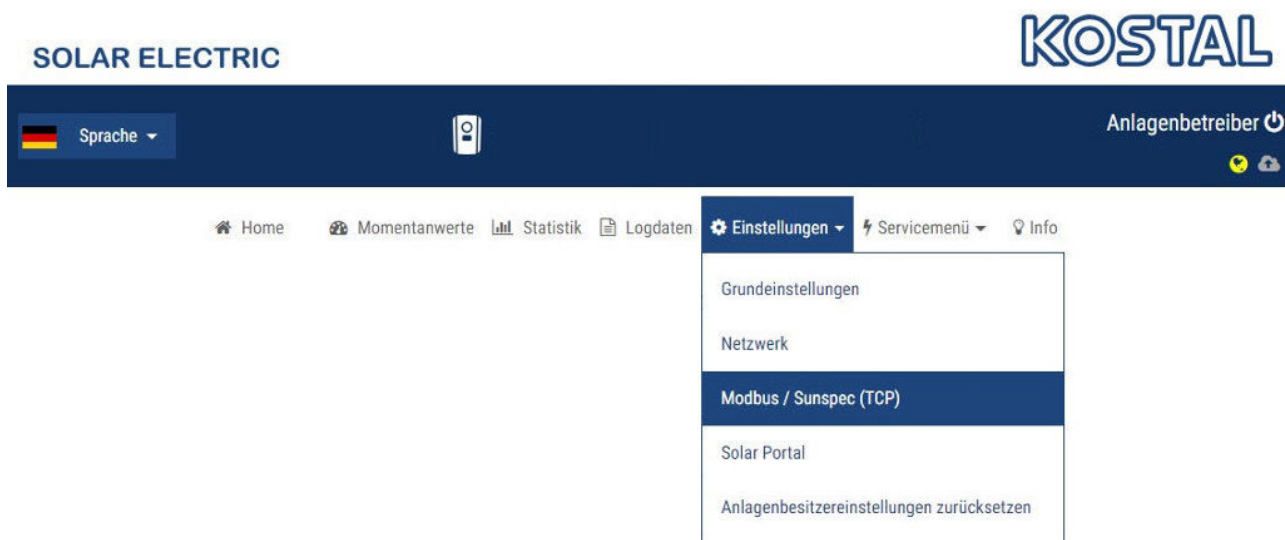
The excess current for the heat pump depends on the charge level of the battery. If the battery charge level is low, it is charged first. If the battery charge level is high, the energy from the battery is also used for heat pump operation.



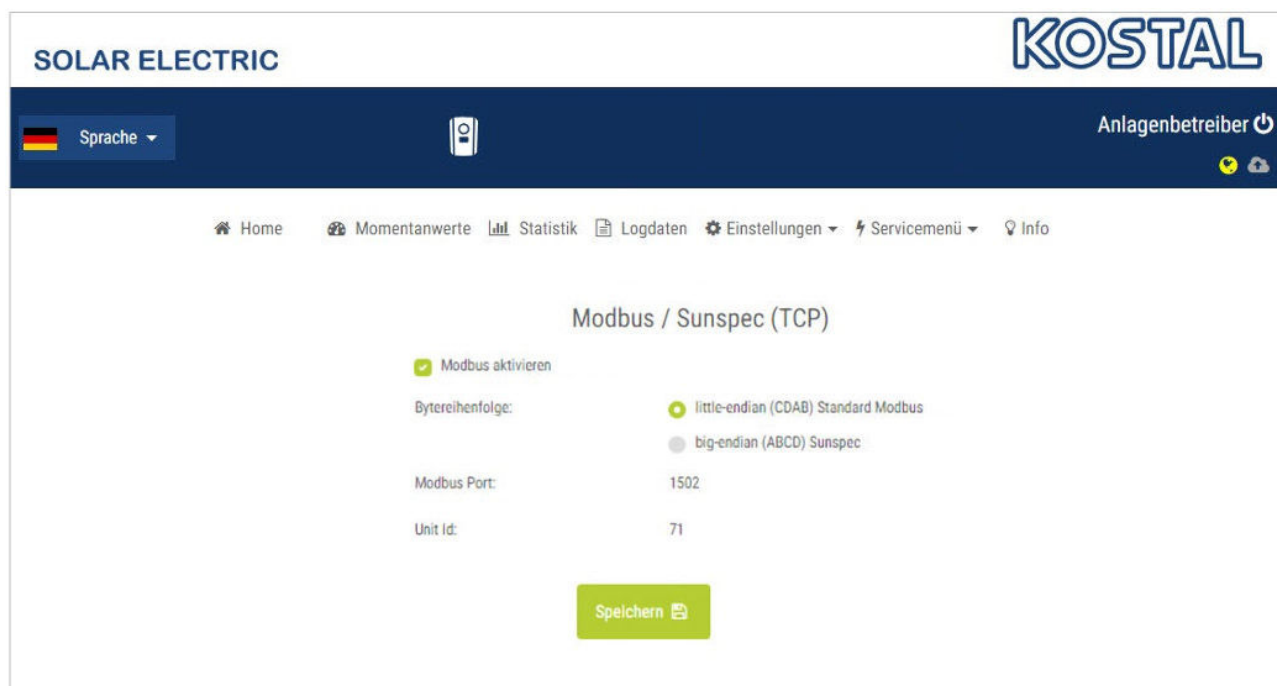
A suitable Smart Energy Meter from Kostal must be installed so that the communication between the iDM heat pump and the PV system from Kostal functions properly and the corresponding data can be recorded.

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

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



Select „Modbus/Sunspec (TCP)“ in the Settings menu.



- » Activate „Modbus TCP“
- » Byte sequence: „little-endian“ (if selectable)
- » Set Modbus port: „1502“
- » Set unit ID: „71“
- » Confirm with „Save“



The Modbus TCP protocol can only be used via an Ethernet cable connection!  
 The inverter must be connected directly to the router!  
 The inverter must be in the same network as the heat pump!