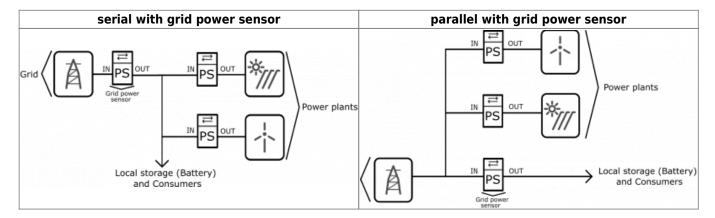
2025/11/01 17:54 1/2 Power plant connection

## **Power plant connection**

The power plants can be connected to the grid in two ways:



When configuring the power plant, select

- in: serial (internal) with grid power sensor
- ex: parallel (external) with grid power sensor

The power plants are configured as internal by default.

## **PV** inverter

Obtaining relevant data from photovoltaic is possible by two ways:

- 1. adding power-sensor to measure produced electricity by PV (no connection to interver) on how to add power sensor please see Power Sensor
- 2. connecting PV inverter by Modbus TCP to EVSE (only for SolarEdge inverters)

## **EVSE** and **PV** inverter connection



To add inverter on HEMS configurator:

- on settings page inside source table, select SolarEdge inverter. Please see settings
- on io mux page set IP address for inverter. Please see io mux

To setup Modbus TCP on Inverter using SetApp:

- Select Site Communication menu
  - RS485-1 → Protocol → SunSpec (Non-SE Logger)
  - $\circ$  RS485-1  $\rightarrow$  Device ID, and enter the number 1
  - Modbus TCP and set to Enable
  - set TCP port to 502

## Note:

The TCP server idle time is 2 minutes. In order to leave the connection open, the request should be made within 2 minutes.

It is important to follow rules above, firstly to set HEMS configurator following Inverter setup due to 2 minutes time frame.

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