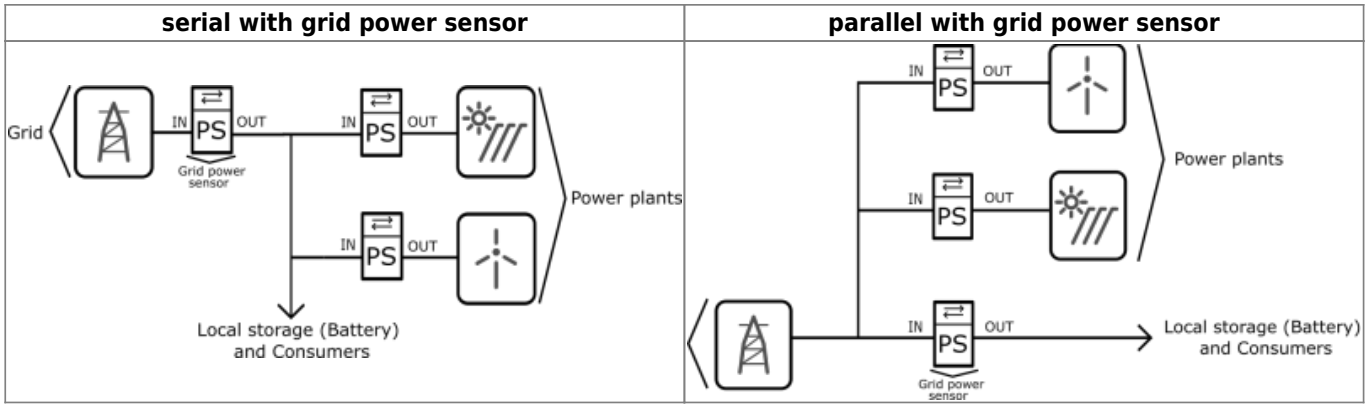
# Power plant connection

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




When configuring the power plant, select

- **in**: serial (**in**ternal) with grid power sensor
- **ex**: parallel (**ex**ternal) 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 limiter
- on io mux page define IP address for inverter. Please see software

To setup Modbus TCP on Inverter using SetApp:

- Select Site Communication menu
  - RS485-1 → Protocol → SunSpec (Non-SE Logger)
  - RS485-1 → Device ID, and enter the number 1.
  - Select Modbus TCP and set to Enable.
  - To modify the *TCP port, select Port, set the port number to 502.

*TCP port is 1502 by default.

From:
https://wiki.hiq-universe.com/ -

Permanent link:
**https://wiki.hiq-universe.com/doku.php?id=en:robotina_charger:commissioning:pv_inverter&rev=1670594200**

Last update: **2022/12/09 13:56**