RDC Charger

User manual

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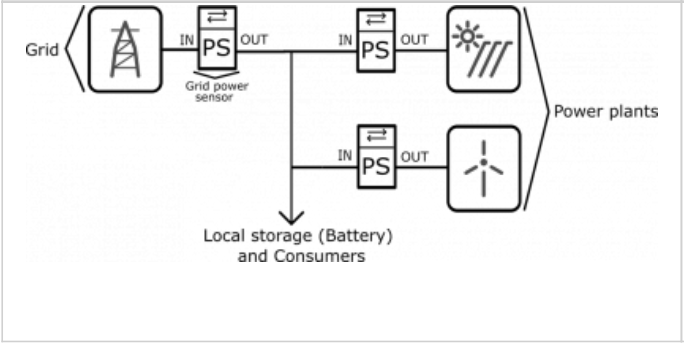
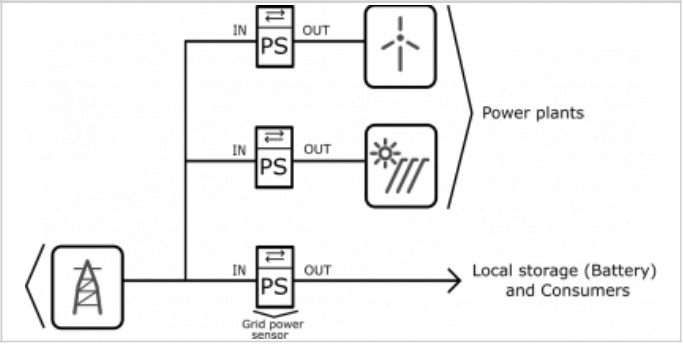
Power plant connection

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

serial with grid power sensor	parallel with grid power sensor
	

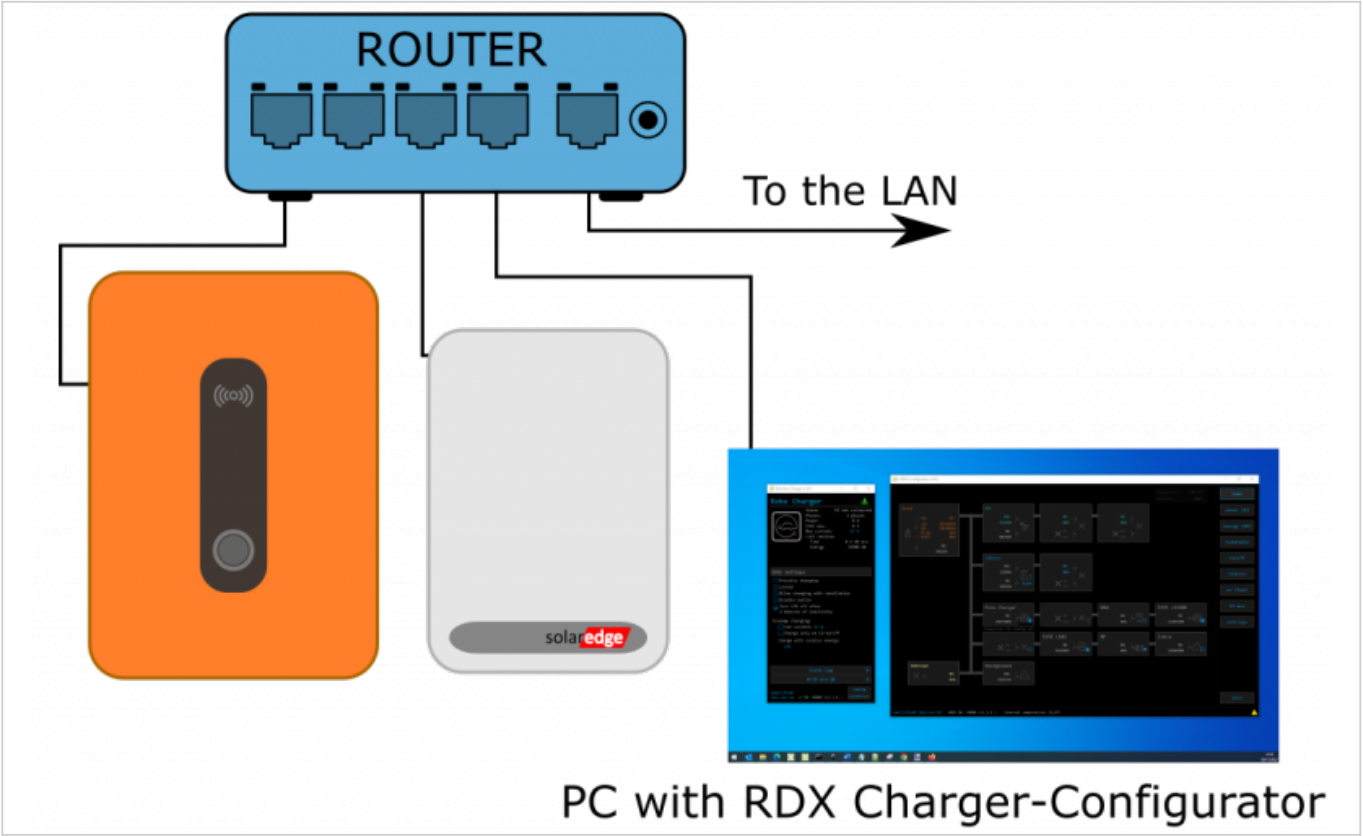
When configuring the power plant, select

- **in**: serial (**in**ternal) with grid power sensor
- **ex**: parallel (**ex**ternal) with grid power sensor

Power plants are configured as internal by default.

Obtaining data (power, voltage, etc...) from power plants is possible in two ways:
1. adding power sensor to measure produced electricity
2. connecting PV inverter via Modbus TCP (for SolarEdge inverters only)

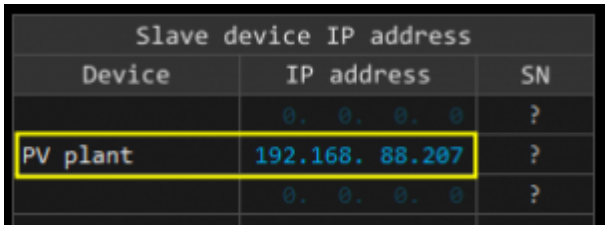
EVSE and PV inverter connection



Add inverter using configurator:

- settings page → meter → select 'SolarEdge',

- io mux page → Slave device IP address → IP address → set IP address of inverter (inverter must have static IP)



Setup Modbus TCP on Inverter side using SolarEdge SetApp:

- Select Site Communication menu
  - RS485-1 → Protocol → SunSpec (Non-SE Logger)
  - RS485-1 → Device ID, enter address 1
  - Modbus TCP → Enable
  - set TCP port → 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.
First, add inverter to Configurator, then setup Inverter by SetApp!