



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 (**internal**) with grid power sensor
- **ex**: parallel (**external**) 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!