

Connecting a ModBus-meter (with or without radio transmitter module)

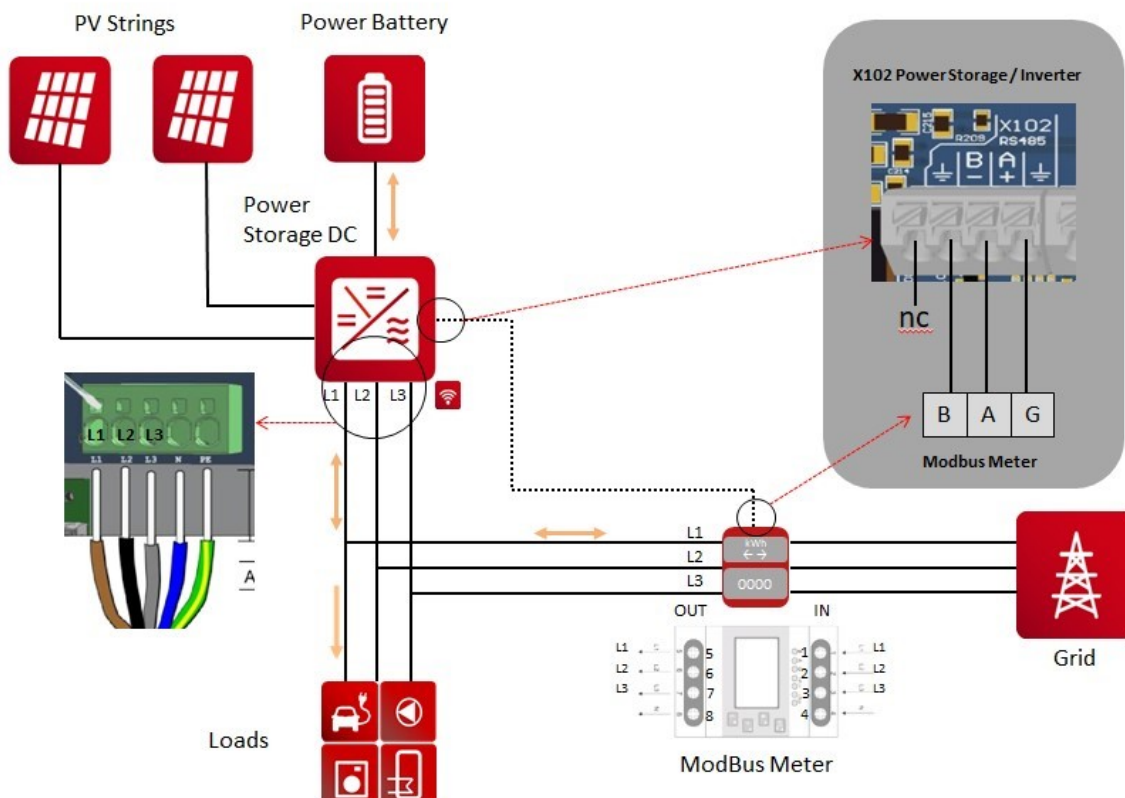
The use of a bidirectional meter with Modbus connection can be beneficial under certain conditions, e.g. bridging of long distances to the house connection point.

Connections over distances of up to 500m are possible. If it is not possible or unpractical to lay cables over this distance a radio transmitter (868 MHz frequency band) can be used instead.

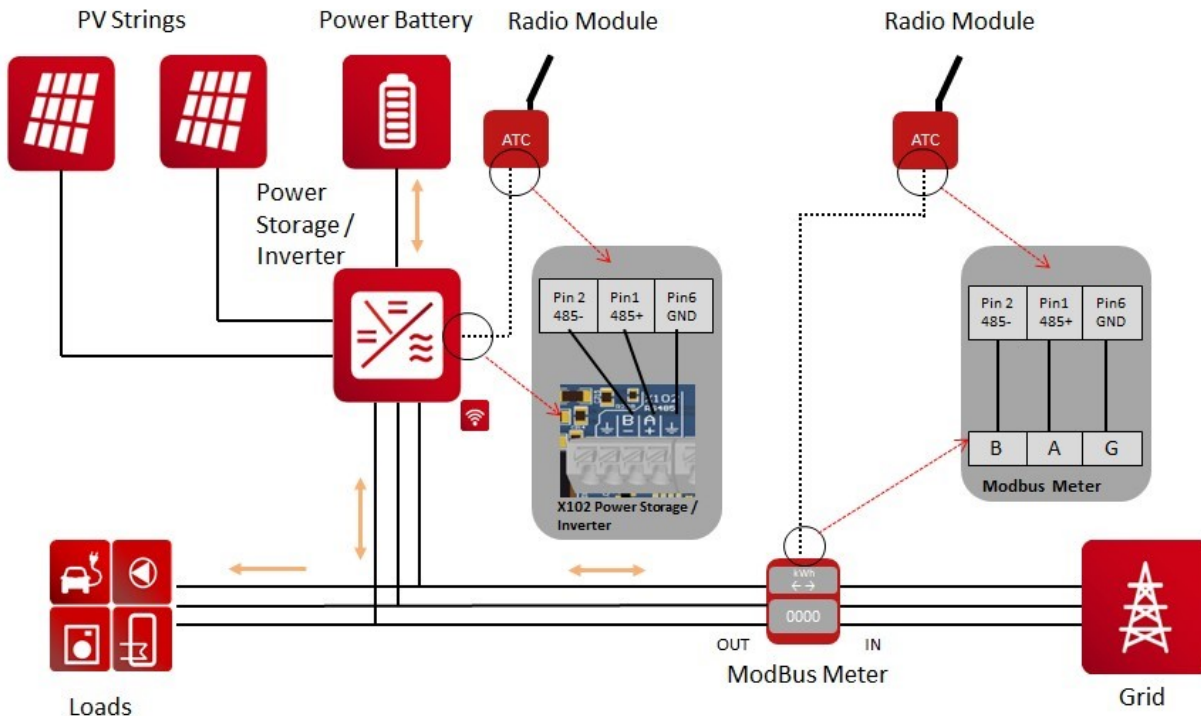
Power Storage DC, Power Storage AC and Power Inverter are equipped for the connection of the following meter type:

- SDM630-Modbus-V2 (Art.Nr. RCTPOWER: ZDZ08101AF0)
- Radio Transmitter ATC-871-S2 (Double-Set) (Art.Nr. RCTPOWER: ZFM86800AF0)

Modbus connected meter without radio transmitter module:



Modbus connected meter with radio transmitter module:




Please note: Radio transmission connection requires an auxiliary power supply (plug-in power supply unit included in the scope of supply).

APP configuration with or without radio module:

Please note that the inverter requires at least SW version 4464 to ensure correct functioning.

Launch the "RCT Power APP".

Press the Settings icon "  " Login with installer password → "DEVICE" → "Settings" → "Interfaces" → "RS485"

Select the option "Modbus Master" under "RS485 working mode" and enter the value "1" under "RS485 address". To confirm and store the settings, press "FLASH".