

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

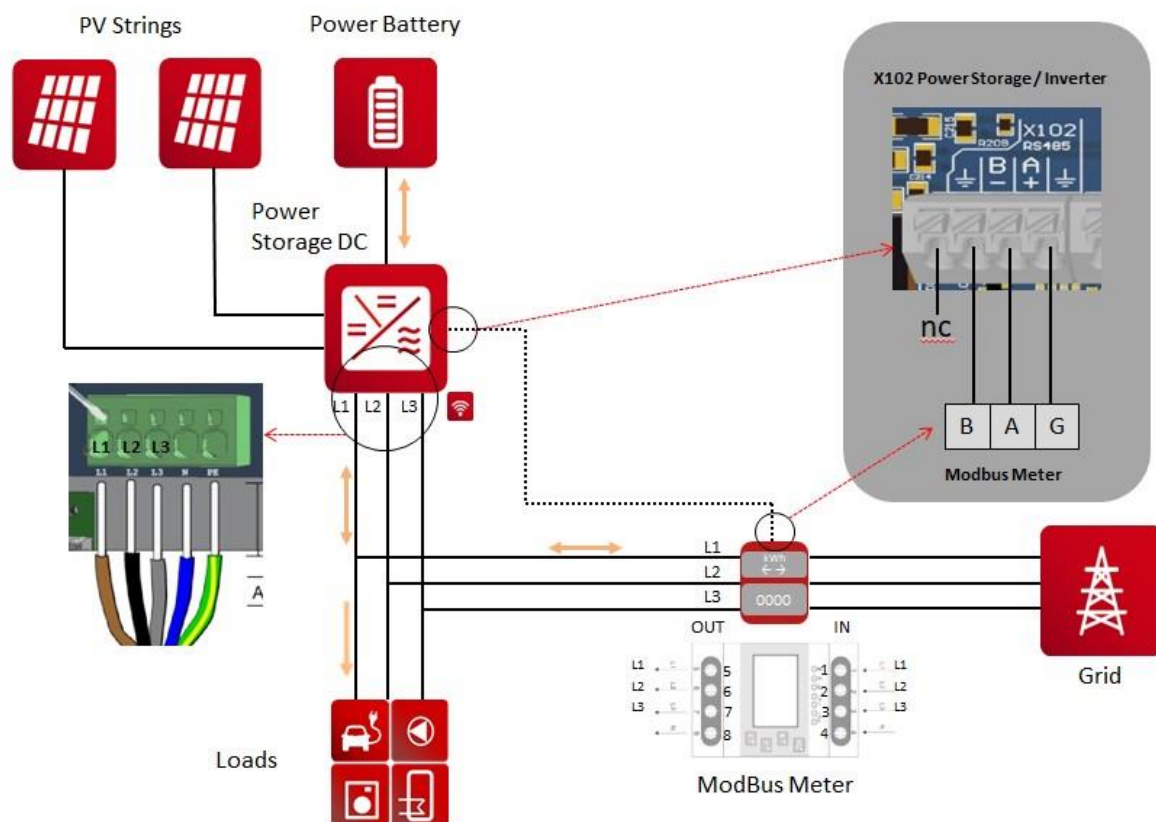
The use of a bidirectional meter with Modbus connection can be beneficial under certain conditions, e.g. bridging of long distances to the house connection point.

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.

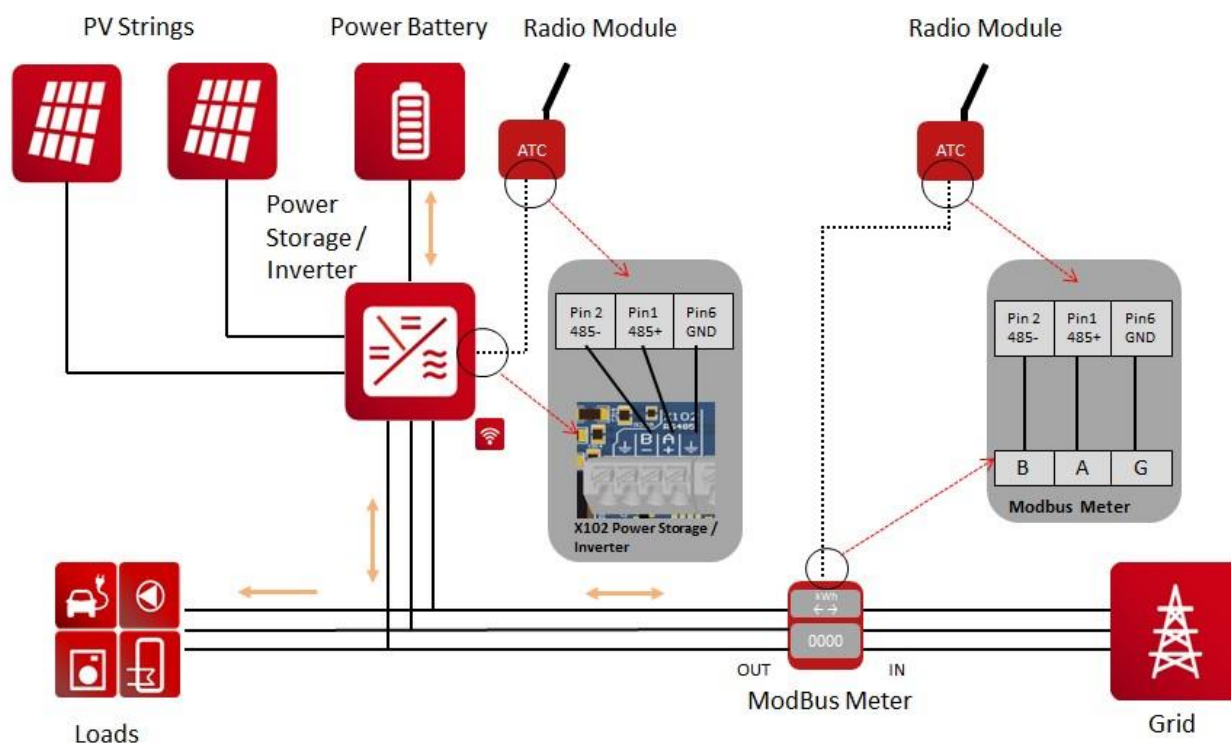
Power Storage DC, Power Storage AC and Power Inverter are equipped for the connection of the following meter type:

- SDM630-Modbus-V2 (Art.Nr. RCTPOWER: ZDZ08101AF0)
- Radio Transmitter ATC-871-S2 (2er-Set) (Art.Nr. RCTPOWER: ZFM86800AF0)

1.1 Modbus connected meter without radio transmitter module



1.2 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).

1.3 Configuration Modbus Meter with or without radio transmitter module

Bitte beachten Sie, dass der Wechselrichter mindestens die SW-Version 4464 benötigt, um eine korrekte Funktion zu gewährleisten.

Please note: Software version 4464 or later must be installed for the RCT Power Inverter /RCT Power Storage to ensure that the connection of bidirectional meters is successful.

Launch the "RCT Power APP".

Press the Set-up icon "  " Tap on "LOGIN" Login.

Enter the password in the dialogue box and press "OK" to enter the configuration options screen. (Login Installer Area, password: "installer")

Follow Menu path "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".