TRACKSO INSTALLATION GUIDE FOR SUNGROW INVERTERS

Brand: Sungrow
Type: Solar On Grid String Inverter
Models: SG5KTL-MT, SG6KTL-MT, SG8KTL-M, SG10KTL-M, SG12KTL-M, SG17KTL-M, SG15KTL-M, SG20KTL-M

CONNECTION DIAGRAM

The communication terminals (RS485) are located at the bottom of the inverter as in figure S1

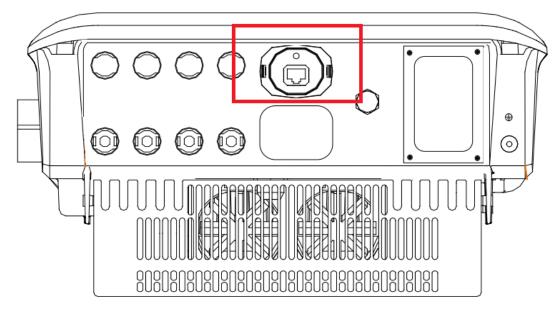


Figure S1 – Sungrow Sring Inverter Connections

Connection Steps

- 1. The communication terminals (RS485 A/B) are located at the bottom of the inverter as shown in Figure S1.
- 2. Connect the cables from TrackSo to communication port of inverter.

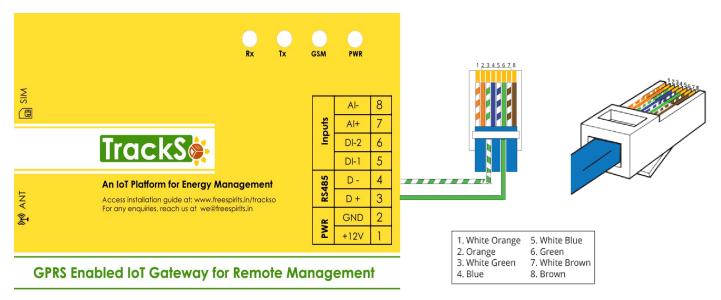


Table ST1 - Sungrow RS485 chip connections with TrackSo IoT Gateway

DEFAULT CONFIGURATION IN TRACKSO IOT GATEWAY

Inverter ID: 1, 2, 3, 4 Continuous numbering starting with 1, (Range: 1 to 247) Baud Rate: 9600 (Default) (Values: 9600, 19200, 38400) Data Bits: 8, Stop Bit: 1, Parity: None

CONFIGURATION AT THE INVERTER END

- Install Sun Access application in your Android/IOS Phone.
- During the use of Sun Access App ,Make sure your phone is within 5m from the inverter.
- Connect to inverter via Bluetooth using following details.
 - o Default Username: User
 - Default Password: 111111

| Personal hotspot | More 🕴 | |
|---|---------------------------------|----------------------------|
| SG20KTL-M 🖇 | O Power on | < Communication parameters |
| 2019/01/23 14:57 Run | O Power off | Device address 2 |
| | 🔅 System parameters 📏 | Baud rate 9,600 |
| SN:A1805314024 | Operation parameters | Check NO Stop bit |
| Power Today energy Total yield | Protection parameters | |
| 4.54 kw 72.8 kWh 982.3 kWh | Communication parameters | \rightarrow |
| P(%) | Download the log | |
| 80 | () About Sun Access | |
| 60 40 20 05 50 09:00 13:00 17:00 21:50 | Logout | |
| Home Run-Info His-record More | Karne Runizfin History Mere | |
| Click on More | Select Communication Parameters | Modify Parameters as req. |

SETTING THE BAUD RATE

If you connect multiple inverters via RS485, set the same baud rate on each inverter.

Select Baud Rate-9600



SETTING THE INVERTER ID

The inverter ID is used to identify the inverter in a RS485 connection

• Set a different inverter ID for each inverter in the PV plant. Otherwise, the inverters cannot be correctly identified.

| < - | Communication parameters |
|-------------------|--------------------------|
| Device add | dress |
| Baud rate 9600 | |
| Check dig | jit |
| Stop bit 1bit | |
| | |

SET DATE & TIME OF INVERTER

For a precise calculation of the statistics in the inverter itself and in a monitoring system, date and time have to be correct.

| | | | Set the Correct Date 8 |
|--|--------------------------|----------------------------|--|
| Personal hotspot) | Used 3.6 MB | More | 14:58 at satisfies |
| SG20KTL-M | * | Power on | System parameter |
| 🗧 🗢 🥏 i | 2019/01/23 14:57 Run | 🕐 Power off | Date setting 2019-01-23 |
| | | System parameters | Time setting 14:57 |
| | | Operation parameters | Total energy compensation 0kWh |
| SN:A1805314024 | | Protection parameters | Restore factory default |
| Power Today energy 4.54 kw 72.8 kWh | Total yield 982.3 kwh | Communication parameters | Restore to the initial three-screen |
| | — P(%) | Download the log | Local/remote control Local/remote |
| | | () About Sun Access | > Device restart |
| | | Logout | |
| | | Luguur | Device type SG20KTL-M |
| 0 09:00 13:00 17:00 | 21:00 | | S/N A1805314024 |
| Home Run-info His-record | | Home Run info History More | Firmware version LCD_MOONSTONE_V01_A_M DSP_MOONSTONE_V11_A |
| Click on More | | Select System Parameters | Complete Date Setting |

NOTE: The above details are mentioned in the Installation & Operation Manual for Sungrow Inverter