

# TRACKSO CONNECTION MANUAL FOR SUNWAYS INVERTERS

**Brand:** Sunways  
**Type:** Solar On Grid String Inverter  
**Models:** STT-4KTL, STT-5KTL, STT-6KTL, STT-8KTL, STT-10KTL, STT-12KTL, STT-15KTL, STT-17KTL, STT-20KTL, STT-25KTL

## CONNECTION DIAGRAM

The communication terminals (RS485) are located at the bottom side of the inverter and there are two connection terminals on the configuration circuit board.

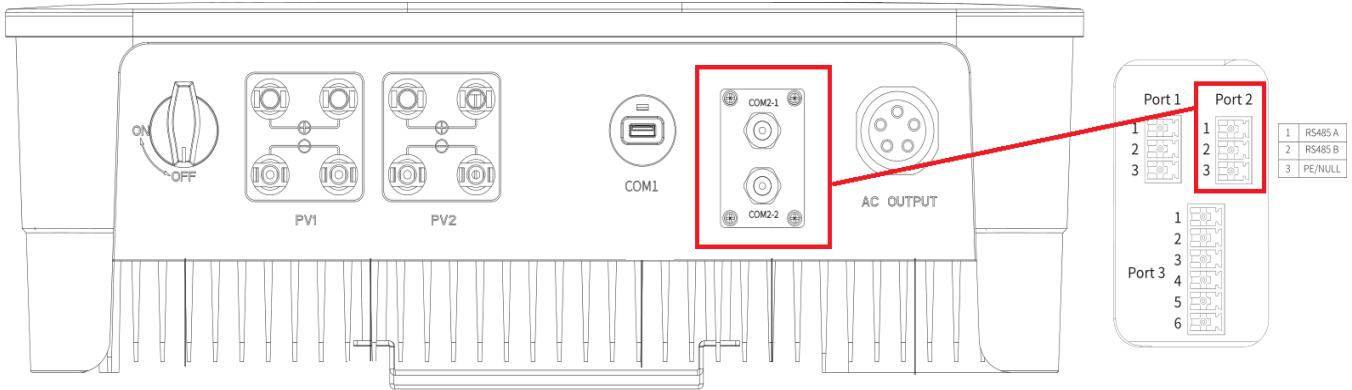


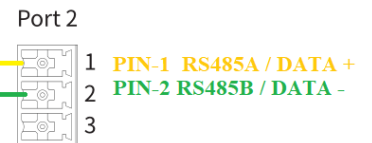
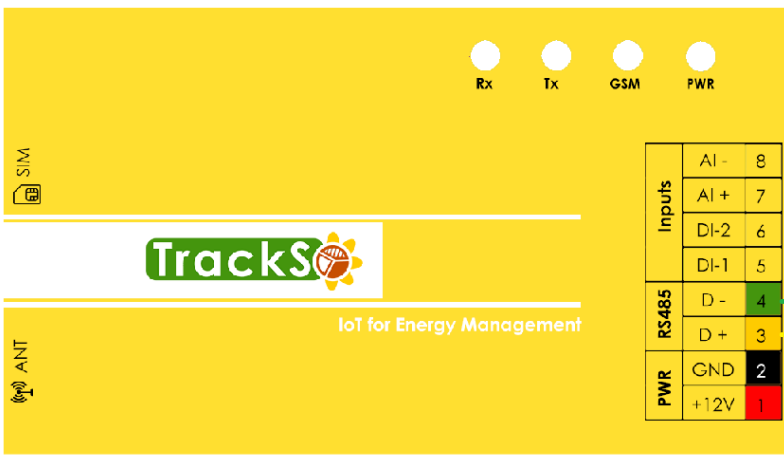
Figure S1 – Sunways String Inverter Connections

### Connection Steps

1. Loosen the six screws on the COM2 Port.
2. The communication terminals (RS485 A/B) are located at the bottom of the section as shown in Figure S1.
3. Connect the cables to the RS485 bus terminal blocks.
4. Please make the connections from the Terminal Block chip to TrackSo IoT Gateway as mentioned in the Table – ST1

Inv Pin No. & Assignment		TrackSo Pin No. & Assignment	
1	RS485A	3	D+
2	RS485B	4	D-
3	-		

Table-ST1



If you face issues even after reading the installation manual/videos, kindly raise a ticket by sending an email to [support@trackso.in](mailto:support@trackso.in) with all details.

Table ST1 – SUNWAYS 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)

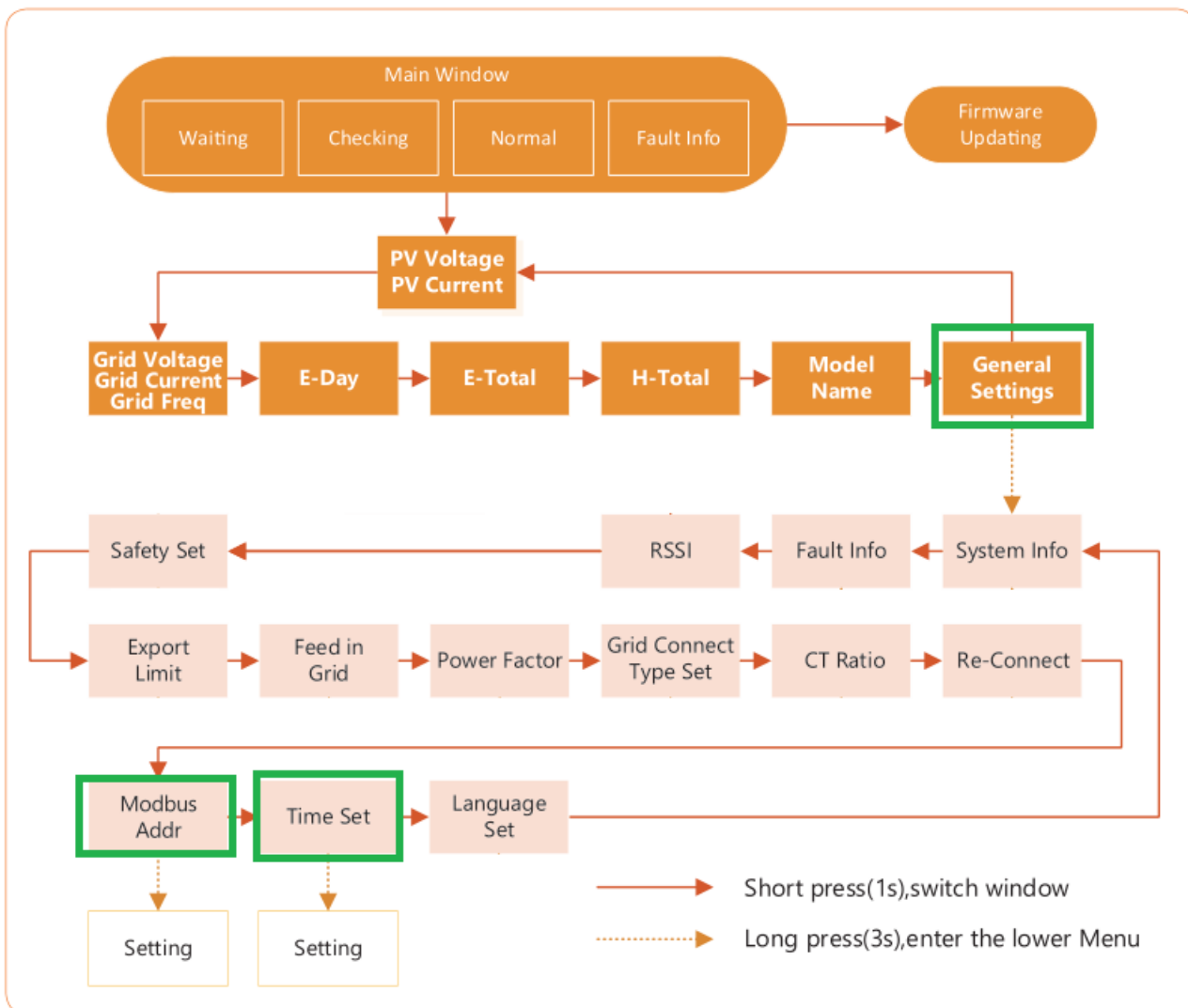
Baud Rate: **9600 (Default) (Values:** 9600, 19200, 38400)

Data Bits: 8 , Stop Bit: 1 , Parity: None

## CONFIGURATION AT THE INVERTER END

The Inverter consist of 1 button which can be used to set parameters by short press and long press.

- Short press(1s),switch window
- Long press(3s),enter the lower Menu



## SETTING THE INVERTER ID

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

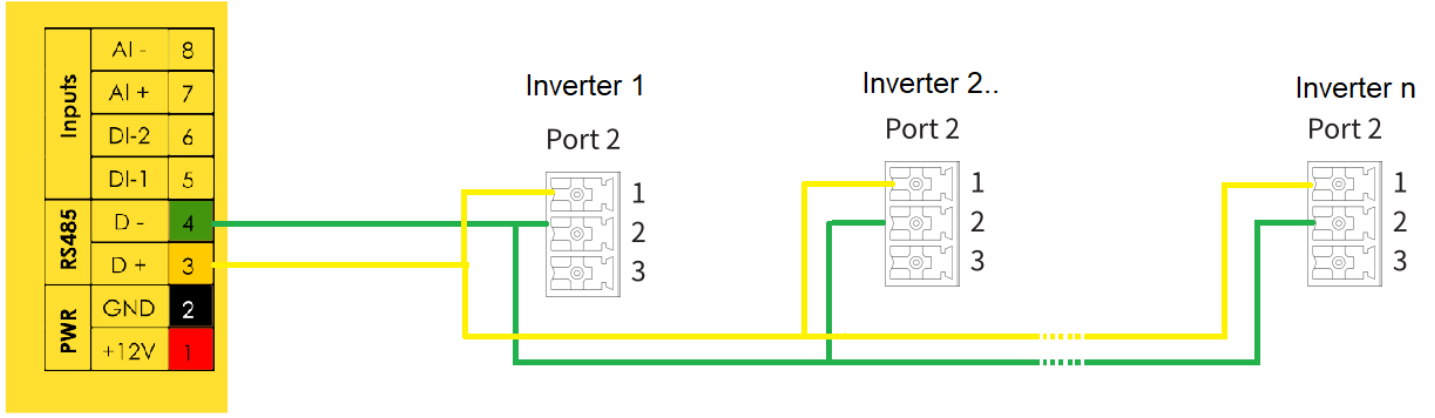
← Set correct Inverter Ids

- Set a different inverter ID for each inverter in the PV plant. Otherwise, the inverters cannot be correctly identified.
- On the last inverter in the RS485 connection, switch on the RS485 termination resistor.

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

Communication Card Settings

Multiple Inverters



NOTE: The above details are mentioned in the [Installation & Operation Manual](#) for Sunways Inverter