Brand: LUMIAX
Type: Solar Charge Controller
Models: MT2010, MT2075, MT3075BT, MT3010, MT4010, MT4015, MT6020-Pro

CONNECTION DIAGRAM

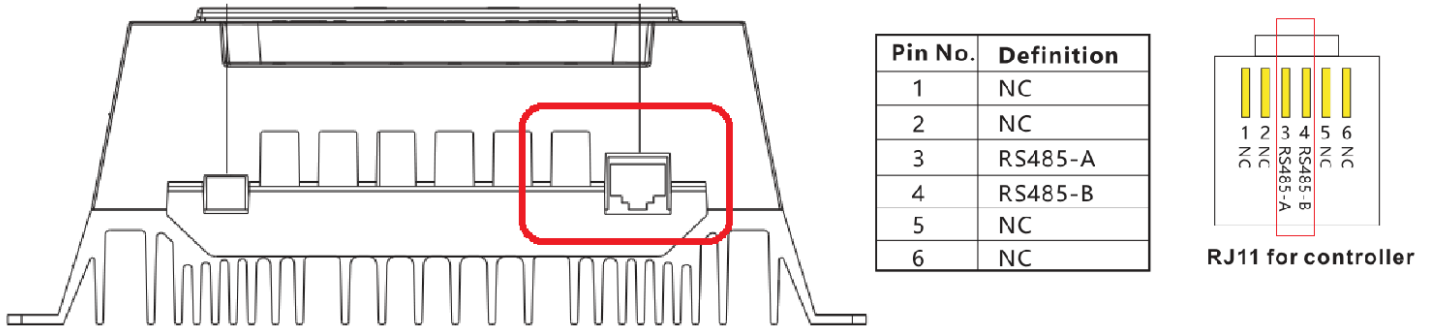The communication terminals (RS485) are located at the bottom side of the charge controller

Pin No.	Definition
1	NC
2	NC
3	RS485-A
4	RS485-B
5	NC
6	NC

Figure L1 – LUMIAX Charge Controller RS485 Port

Connection Steps

1. Create RJ11 wire as per pinout mentioned in photo L1.
2. The charger is equipped with a RS485 port with RJ11 sockets, the RJ11 interface is defined as mentioned in Figure L1
3. The communication terminals is located at the bottom of the section as shown in *Figure L1*
4. Connect the cables to the RS485 bus terminal blocks.
5. Please make the connections from the Terminal Block chip to TrackSo IoT Gateway as mentioned in the Table – TL*1*

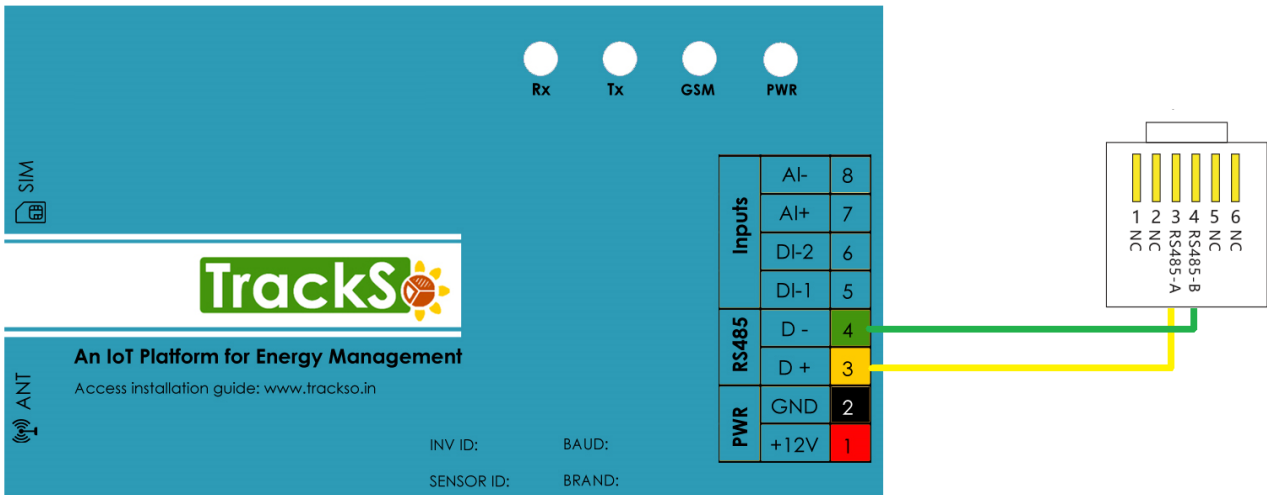| Controller Pin No. & Assignment		TrackSo Pin No. & Assignment	
3	A	3	D+
4	B	4	D-

Table-TL1

Figure L2 – Lumiax RS485 chip connections with 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 CONTROLLER END

Charge Controller is available at Id,1 and baud rate-9600bps and protocol – Modbus RTU by default.

NOTE: The above details are mentioned in the ***Installation & Operation Manual*** for Lumiax Solar Charge Controller