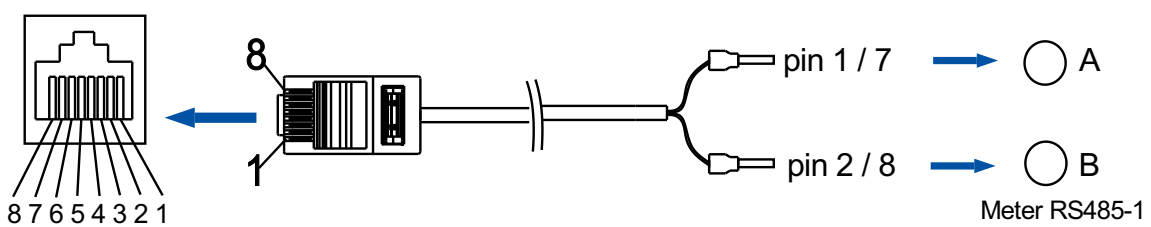
Quick Guide - DTSU666 100A/40mA Three-phase Double-CT Meter Connection

This quick guide describes the procedure to connect the DTSU666 100A/40mA double CT three-phase meter to the SAJ solar inverters and the grid and to enable the meter on the elekeeper App.

Before you start

Prepare the following cables. For cable specifications, refer to DTSU666 *Quick Guide*.

1. An Ethernet cable with two pins connecting to the meter on one side and an RJ45 terminal on the other end connecting to the solar inverter.



For the RJ45 terminal connecting to inverter RS485 meter ports, see inverter applicable pins:

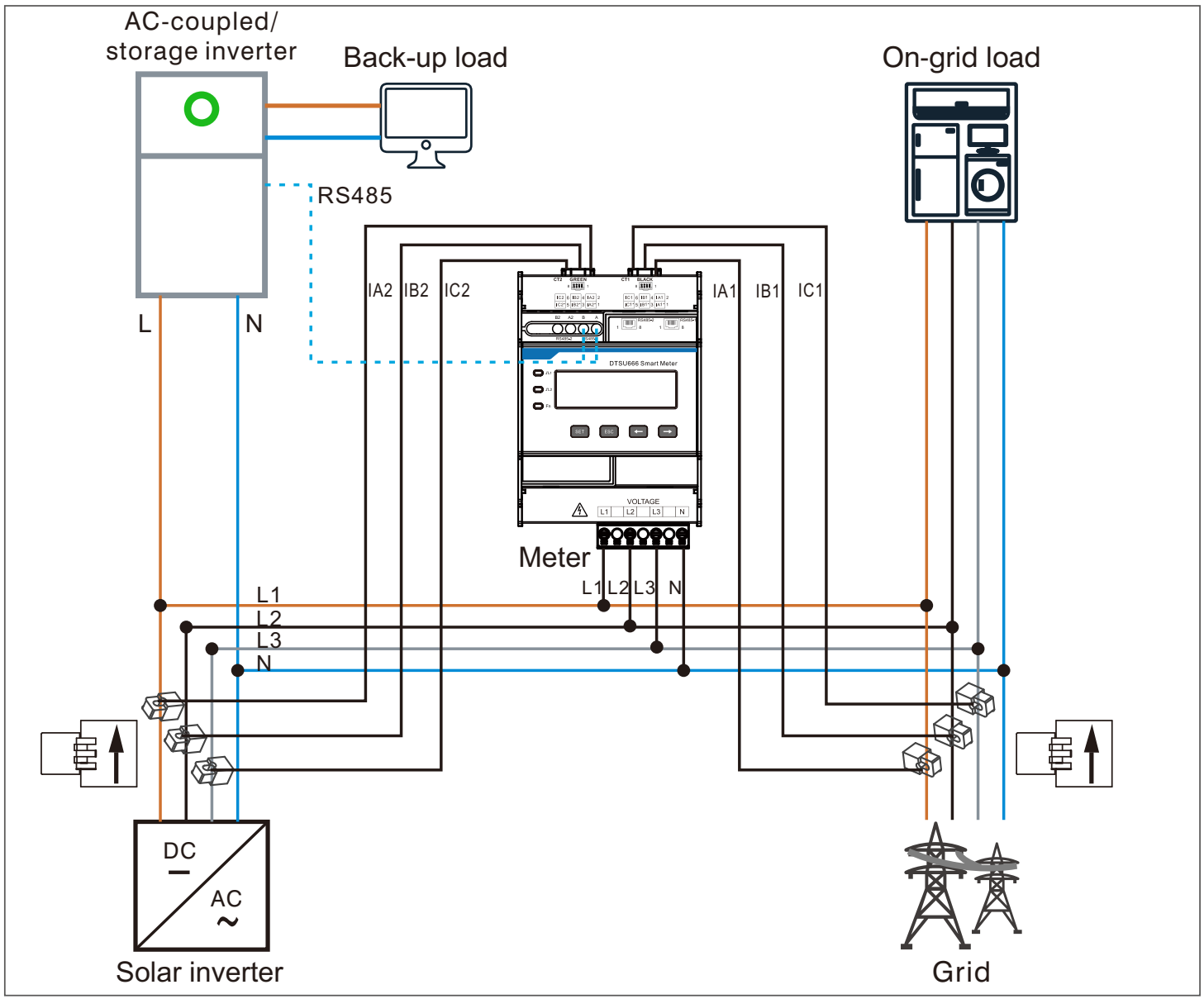
- H2-(5K-10K)-T2, HS2-(5K-10K)-T2: pin 1 and 2
- HS3-(5K-12K)-T2: pin 1 and 2
- H2-(10K-30K)-(T2,T3): pin 7 and 8

2. L1, L2, L3, and N line AC power cables connecting from the meter to the grid.

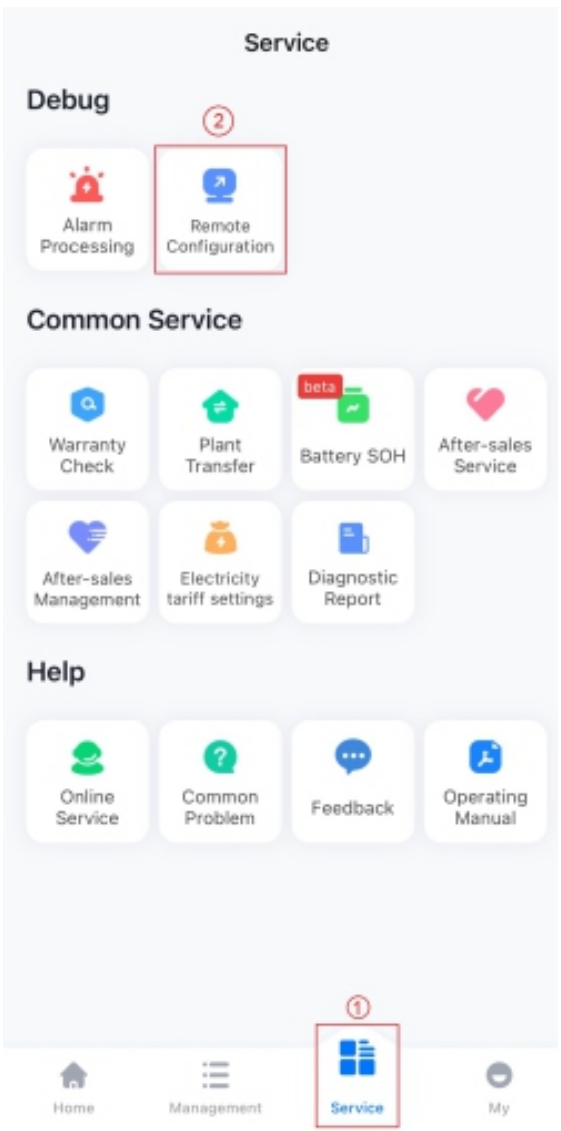
Procedure

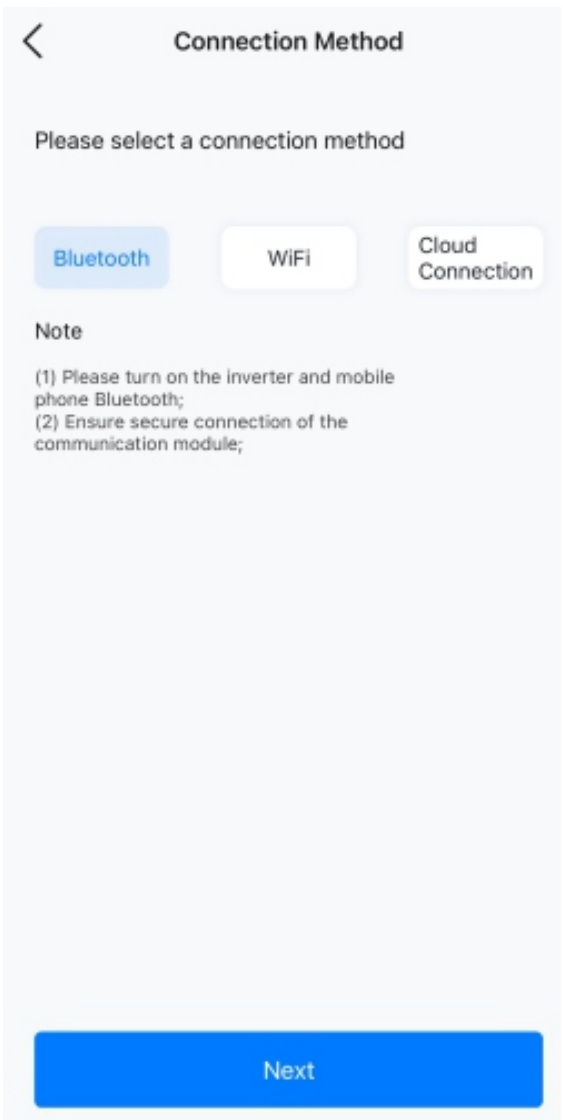
Step 1. Connect the RS485 communication cable from the meter to the AC-coupled inverter according to the diagram on Page 2.

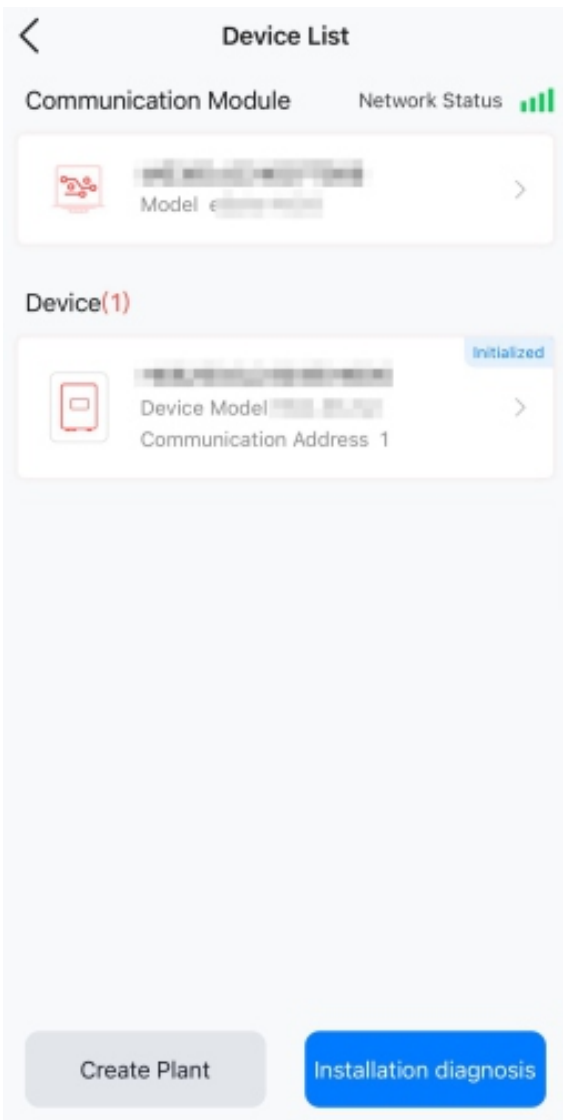
Step 2. Clip the six current transformers (CT) at the solar inverter and the grid side, pointing all the CTs to the loads. Then connect the meter AC power cables to the grid.



Step 3. Log in to the elekeeper App and connect to the AC-coupled or hybrid inverter through Bluetooth connection. On the **Device List** page, select the inverter.







Step 4. Select **Testing device** on the **Local Connection** page. Select **One Three Phase Four Wire Meter (double circuit)** and save the changes.