

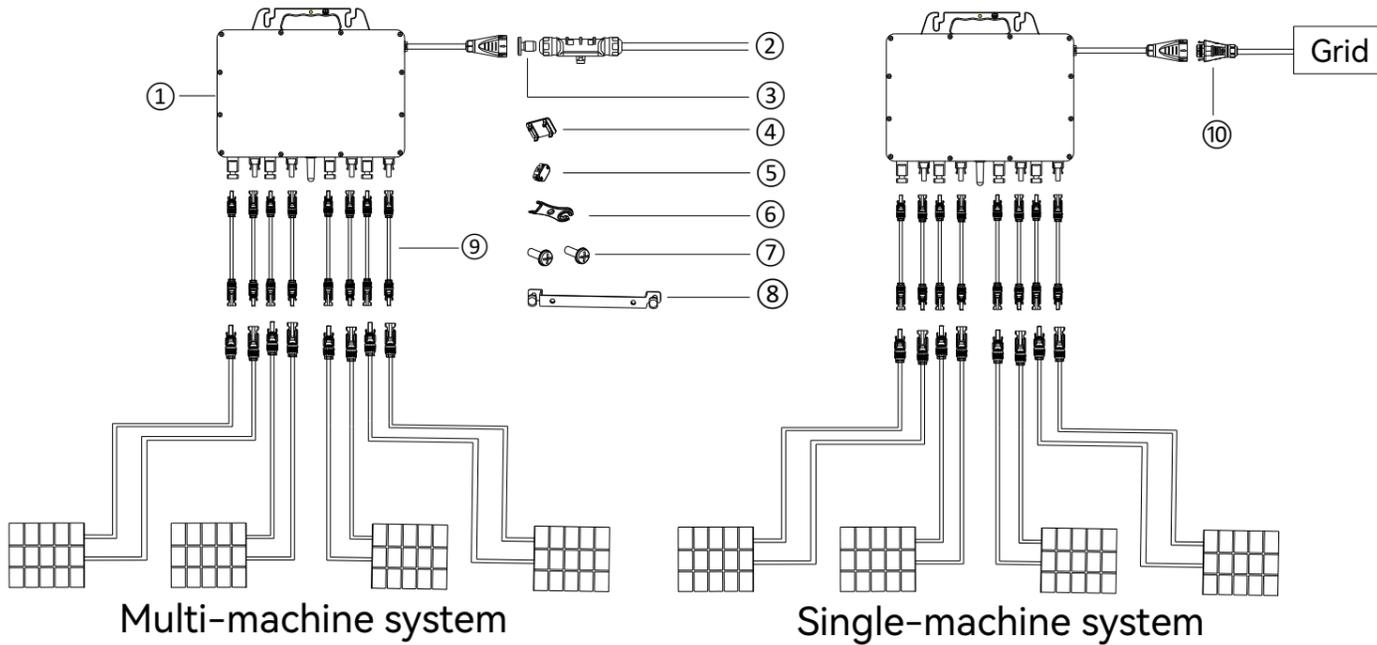
M2 Microinverter Quick Installation Guide

M2-(1.8K-2.25K)-S4

1. Package List

The parts marked with optional are not included in the standard product package, and can be ordered separately by the customers as needed. Contact after sales if there is missing or damaged components.

No.	Part Name	No.	Part Name
①	M2 inverter	⑥	AC trunk port disconnect tool (optional)
②	AC trunk cable (optional)	⑦	M8*25 bolts (optional)
③	AC trunk end cap (optional)	⑧	Mounting bracket (optional)
④	AC trunk connector unlock tool (optional)	⑨	DC extension cable (optional)
⑤	AC trunk port cap (optional)	⑩	Branch male connector (optional)



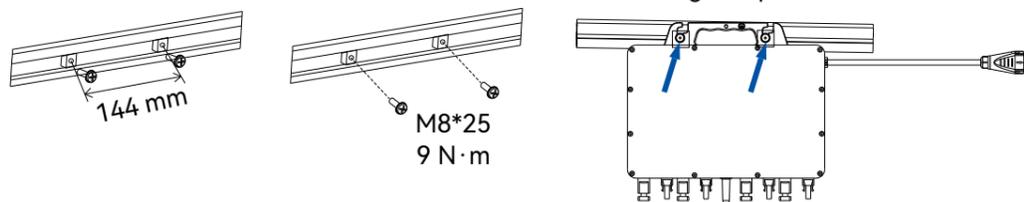
2. Installation Steps

Step 1: Plan and install the microinverter.

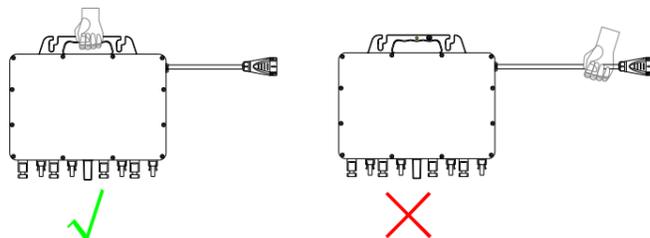
Mark the position of each microinverter on the rail. Secure the screws on the marks to the rail.

Face the inverter cover toward the photovoltaic (PV) arrays. Mount the microinverter onto the screws and tighten the screws.

Mounting Torque: 9 N·m

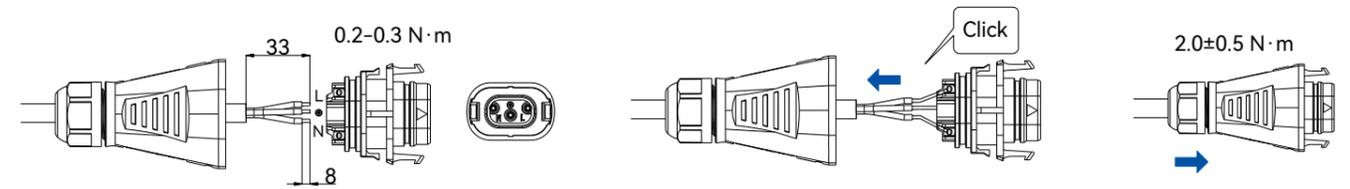


- If external grounding is required, use a M6 screw to secure the cable to the grounding hole on the microinverter handle.
- Carry the microinverter by holding its handle. Do not lift the AC cable to carry the microinverter.



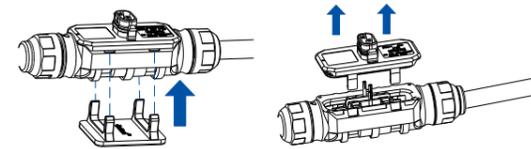
Step 2: For single-machine system, connect the branch male connector.

Before wiring, use a Phillips screwdriver to remove the screws on the uppermost baffle. Insert the other main cable into the body shell and crimp the inner wires into the terminals according to the L, PE, and N marks. Tighten the screws. Press the terminal block into the shell until you hear a "click" sound. Put the nut back into the port and tighten the nut.

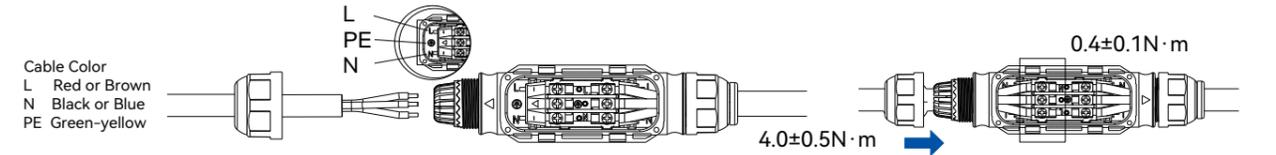


For multi-machine system, prepare and connect the AC cables from the microinverters to the distribution box.

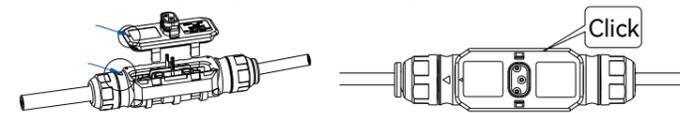
a. Place the AC trunk connector unlock tool to the backside of the AC trunk and align with the four buckles of the front lid. Press the unlock tool towards the front lid evenly to remove the lid.



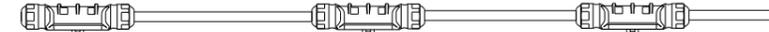
b. Insert the main cable into the body shell, crimp the inner wires, and insert the wires into the terminals according to the L, PE, and N marks.



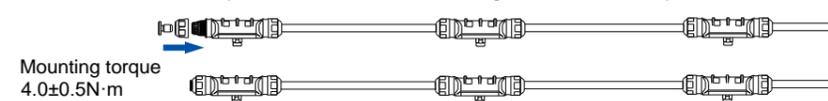
c. Close the lid following the guide arrow until you hear a "click" sound.



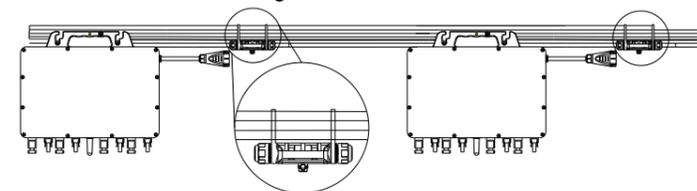
d. Prepare more AC trunk cables and string them in series for backup.



e. Insert the AC trunk end cap to the AC trunk cable. Tighten the end cap and the nut.

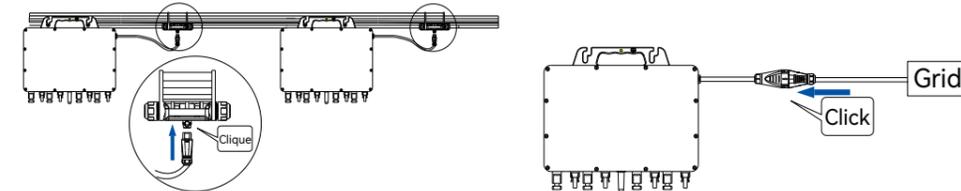


f. Lay the AC trunk cables on the guide rail and secure the cables with ties.



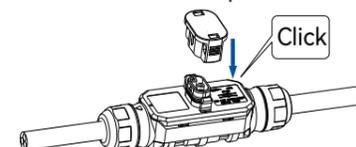
Step 3: Complete AC connection.

a. Insert the branch cable connector on output side into the AC trunk cable or branch male connector until you hear a "click" sound.

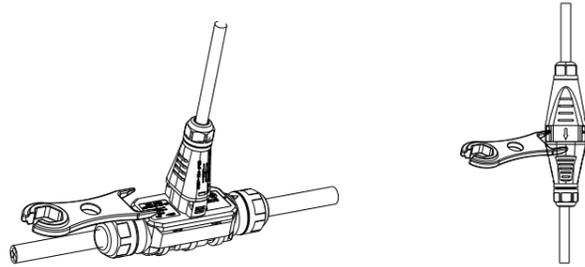


b. Connect the other AC cable end to the distribution box connecting to the local power grid.

c. If there is an empty port on the AC trunk cable connector, insert the AC trunk port cap onto the AC trunk port cover to ensure that the connector is dustproof and waterproof.

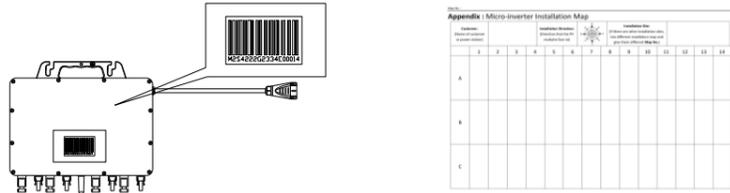


Note: If you need to remove the output-side AC connector of the microinverter from the AC trunk cable, insert the branch connector unlock tool into the AC branch cable connector.



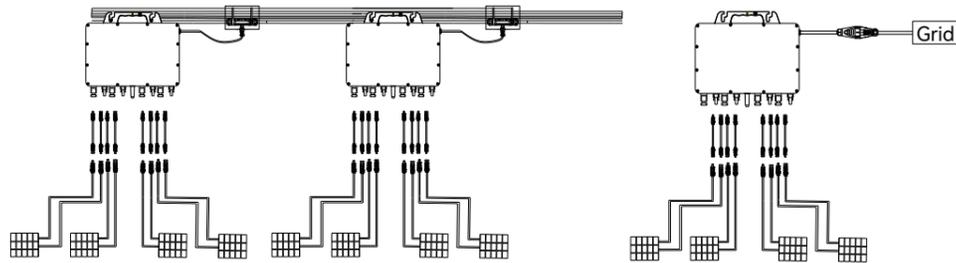
Step 4: Make an installation map.

Peel off the SN label on each microinverter and attach the SN label to the installation map as follows:



Step 5: Connect the PV modules.

Install the microinverters under the PV arrays. Connect the DC output cable of PV arrays to the DC input side of the microinverters. **ATTENTION:** The DC cable length from the PV array to the inverter must be no larger than 3 meters to meet relevant regulatory requirements. Ensure that the DC cables are correctly connected. For details, consult your local electric power operator and refer to local regulatory requirements.

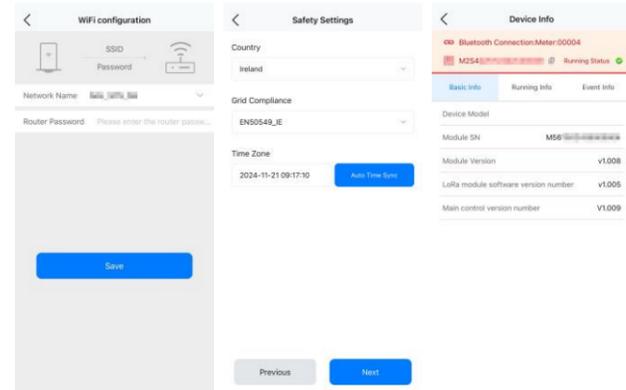
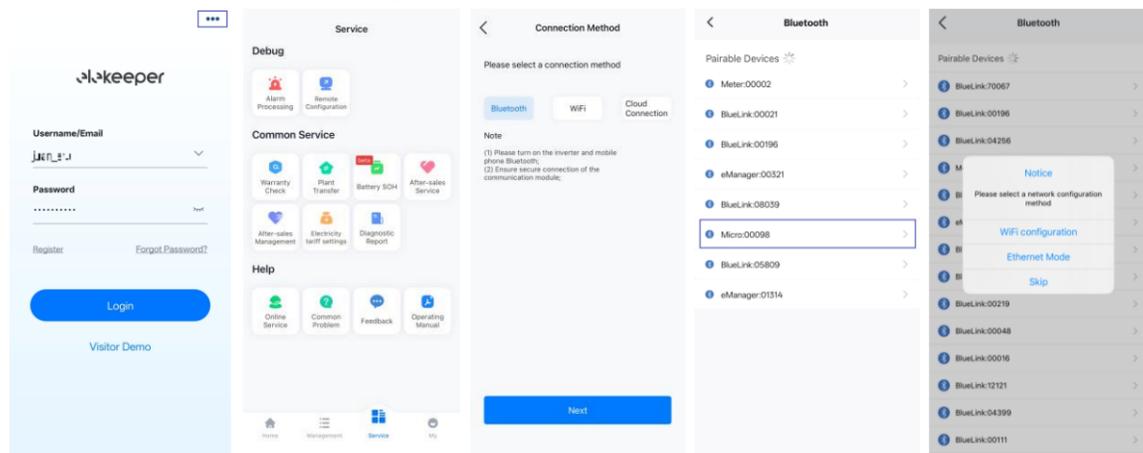


Step 6: Install the App. Scan the QR code to download the elekeeper App and check the M2 product documentation.



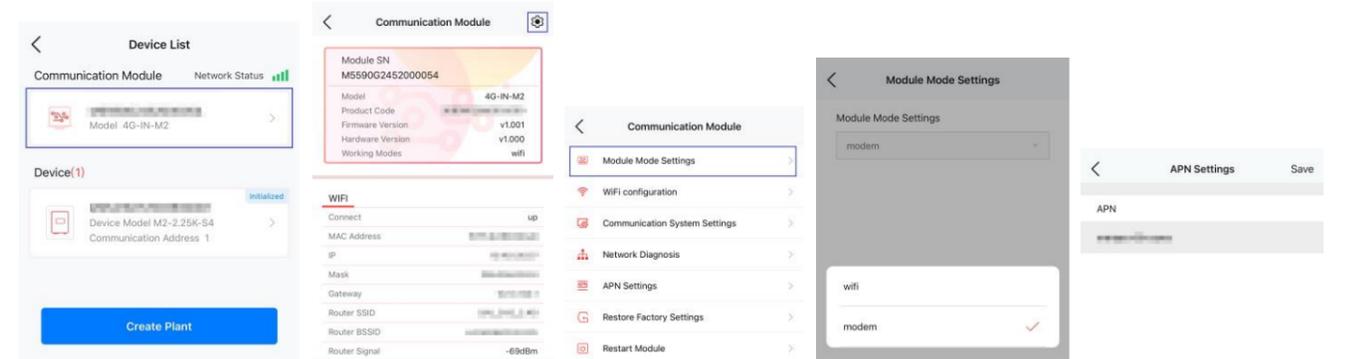
Step 7: Perform initialization on the App.

Log in to the App → Select **Service** and then **Remote Configuration** → Select **Bluetooth** → Select the M2 inverter and tap **WiFi configuration** → Set the **Network Name** and **Router Password** → On the **Safety Settings** page, select the **Country** and **Grid Compliance** → Save the settings to complete the initialization.



Step 8: Set 4G connection on the App. (Only applicable to M2 inverters equipped with 4G communication.)

Connect to the device through Bluetooth connection → On the **Device List** page, select **Communication Module** → Tap the settings icon on the upper right corner > On the **Communication Module** page, select **Module Mode Settings** → On the **Module Mode Settings** page, select **modem** → On the **APN Settings** page, set the APN of the customer's 4G operator.



Step 9: Create a plant.

On the **Management** page, tap the **+** button in the upper right corner → Tap **Create Plant for Me** → enter the inverter SN, tap the **+** button to add the inverter, and tap **Next** → On the **Complete site information** page, enter the plant information and tap **Create Plant** → On the **Plant** page, select the new plant and check the detailed information on the **Micro plant** page.

