



Please scan the QR code to get mobile app and more support to help the installation.

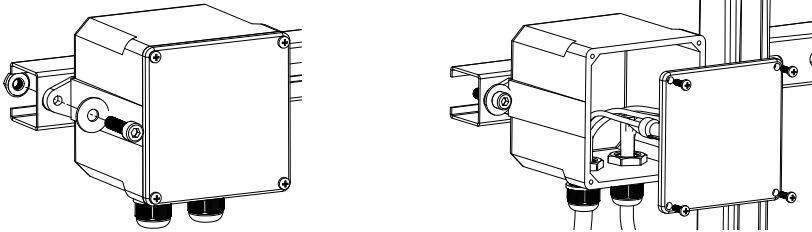
APsystems YC500A-NA Microinverter Quick Installation Guide

Step 1. Verify the grid voltage to match with microinverter rating.

Step 2. Install the AC branch circuit junction box.

Step 3. Connect the cables to the branch junction box.

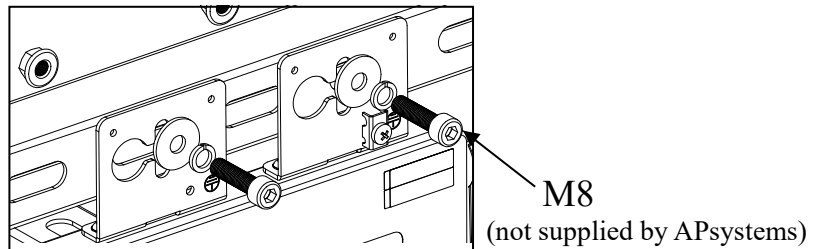
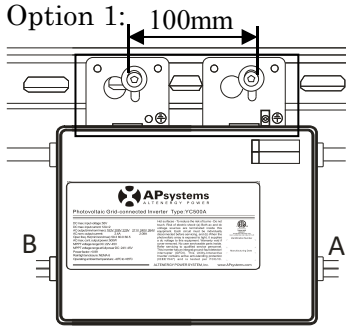
- a. Put the unused end of the AC interconnector cable into the branch junction box.
- b. Place cable connecting to the point of utility interconnection into the branch junction box.
- c. Wire the conductors: **L1 - BLACK; L2 - RED; N - WHITE.**



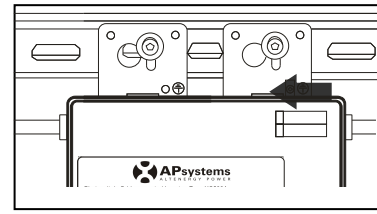
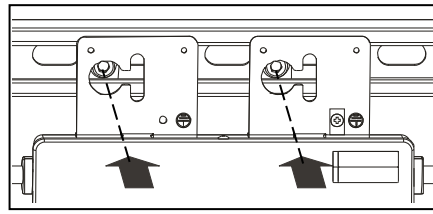
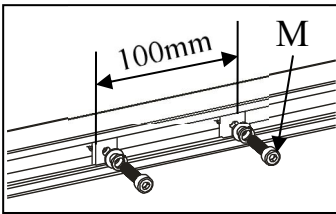
Step 4. Attach the APsystems microinverters to the racking or the PV module frame

NOTE: Do not place the inverters (including DC and AC connectors) where exposed to the sun, rain or snow, even gap between modules. Allow a minimum of 3/4" (1.5cm.) between the roof and the bottom of the Microinverter to allow proper air flow.

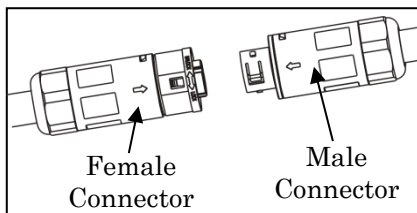
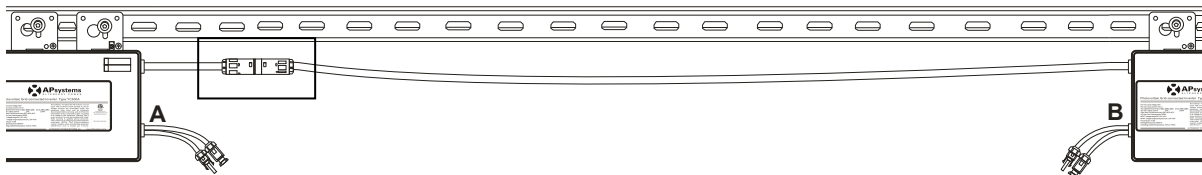
Option 1:



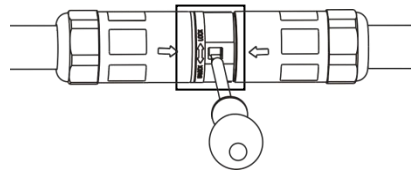
Option 2:



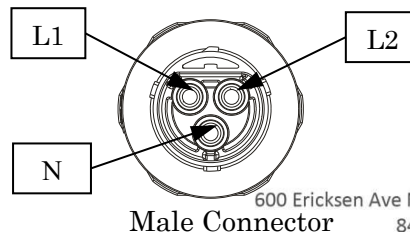
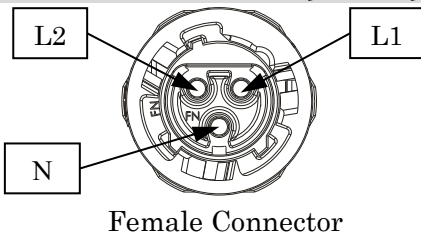
Step 5. Connect the APsystems microinverter AC cables.



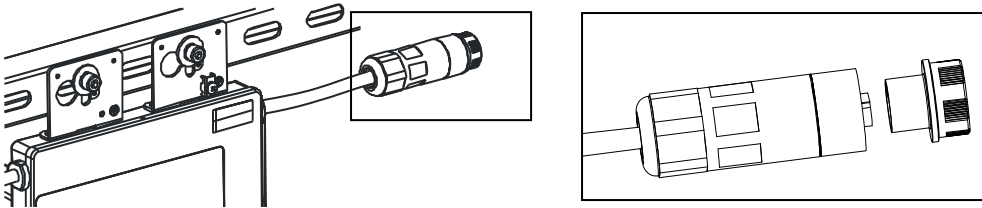
Best Practice: Use screwdriver to split the Main connectors.



NOTE: AC connector interface as follows.

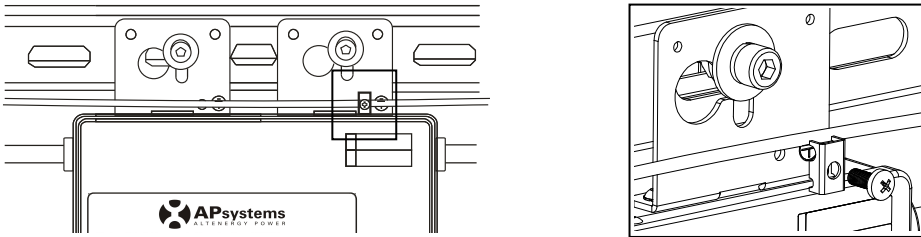


Step 6. Install a protective end cap on the open AC connector of the last microinverter in the AC branch circuit.

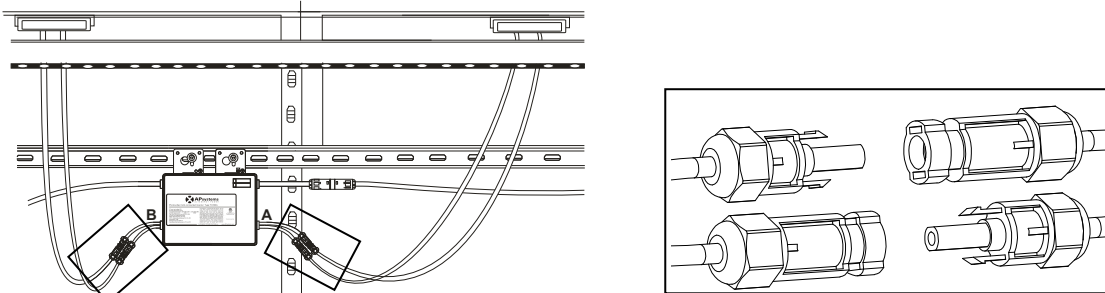


Step 7. Ground the system.

If you already use grounding washers to ground the microinverter chassis to the PV module racking as described in step 4, skip this step.

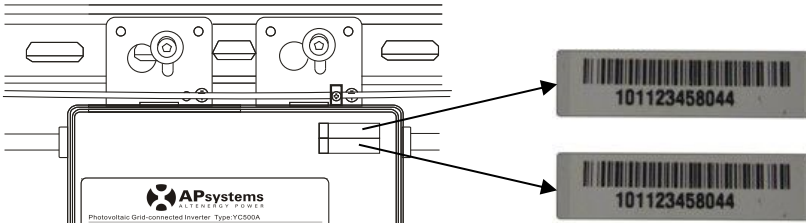


Step 8. Place the PV modules and connecting each YC500 to the two PV modules close-by.



Step 9. Complete the APsystems installation map.

Each APsystems microinverter has two removable serial number labels. Peel labels off, affix one to the respective location on the APsystems installation map, and affix another to the PV module frame which is easy to see. Use the Scanning Gun to scan the serial numbers on the map into the computer, or scan by mobile phone, then complete the setting (see ECU manual).



NOTE: Step 1~9 can change sequence for convenience of installation.

NOTE: Using apsystems' mobile app ArrayApp can make the installation and registion much more simple.

Step10. Start the operation.

1. Turn on the AC circuit breaker on each microinverter AC branch circuit.
2. Turn on the main utility-grid AC circuit breaker. Your system will start producing power after a five-minute waiting time.