



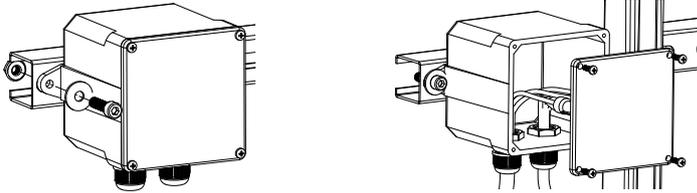
Please scan the QR code to get mobile app and more support to help the installation.

YC500I-LK Microinverter Quick Installation Guide

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

Step 2. Position the AC bus cable and install the AC branch circuit junction box

- Install an appropriate junction box at a suitable location on the PV racking system.
- Put one end of the AC bus cable into the branch junction box.
- Place cable connecting to the point of utility interconnection into the branch junction box.
- Wire the conductors of the AC bus: L - BROWN; N - BLUE; PE - YELLOW GREEN.**



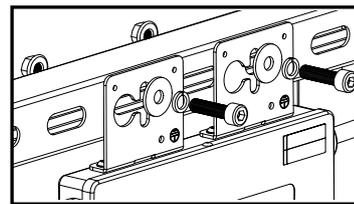
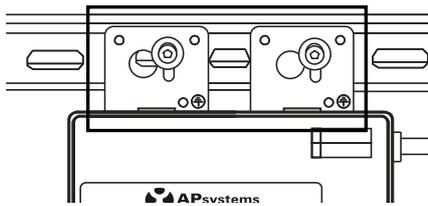
NOTE: Wiring colour code can be different according local regulation, check all the wires of the installation before connecting to the AC bus to be sure they match. Wrong cabling can damage irreparably the microinverters, such an issue is not covered by the warranty.

Step 3. 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.

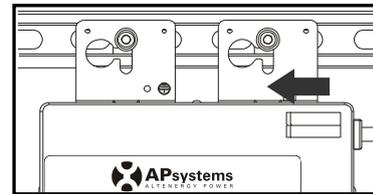
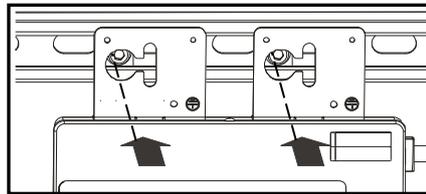
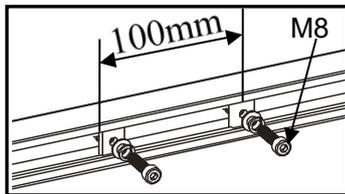
Attach to the racking

Option 1:

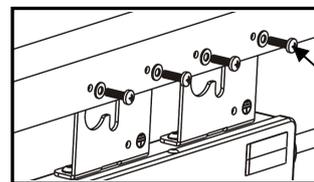
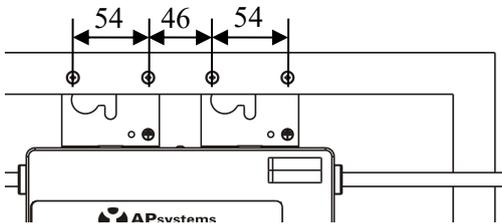


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(not supplied by APsystems)

Option 2:

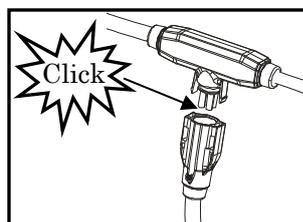
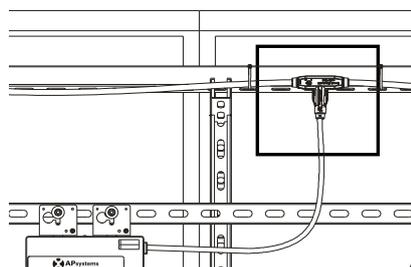


Attach to the PV module frame. Drill holes on the PV module frame before installing YC500I. Please check with the module manufacturer the compatibility of such installation process.

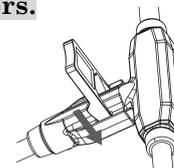


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Step 4. Connect the APsystems microinverter to AC bus cable



Best Practice: Use the Bus Cable Unlock Tool of AC Bus to split the connectors.



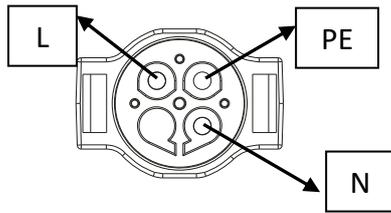
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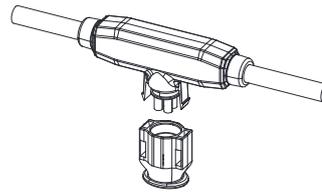
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NOTE: AC connector interface as follows.

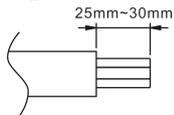


NOTE: Cover any unused connectors with Bus Cable T-CONN Cap to protect the connectors.

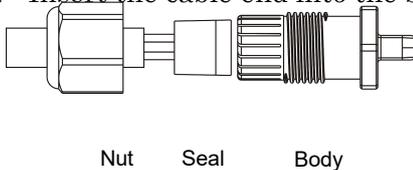


Step 5. Install a Bus Cable End Cap at the end of AC bus cable

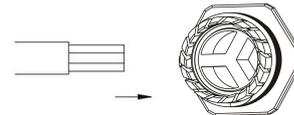
a. Strip cable jacket.



b. Insert the cable end into the seal.



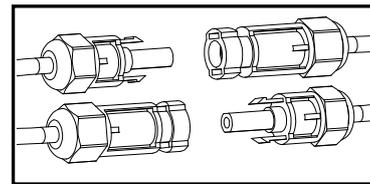
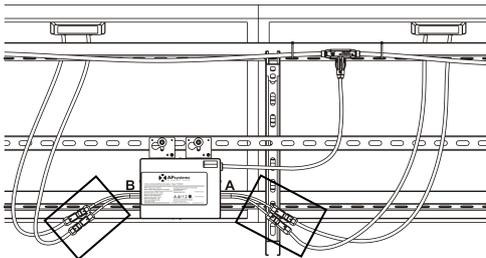
c. Insert the wires into the cable clamps.



d. Rotate the nut with 3.3N·m until the latching mechanism meets the base.

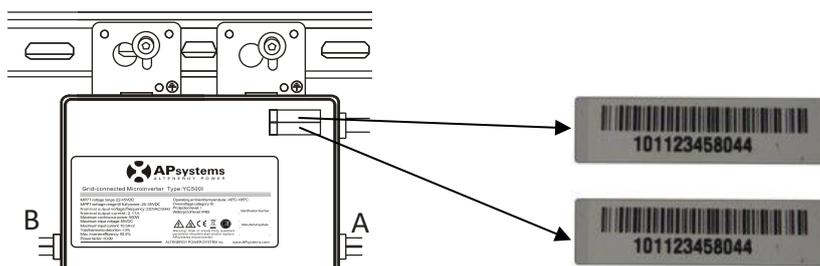


Step 6. Place the PV modules and connect each YC500I to the PV modules



Step 7. 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 such that it is easily visible. 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: Sequence of steps 1~7 can change for convenience of installation.

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

Step 8. 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 two-minute waiting time.