

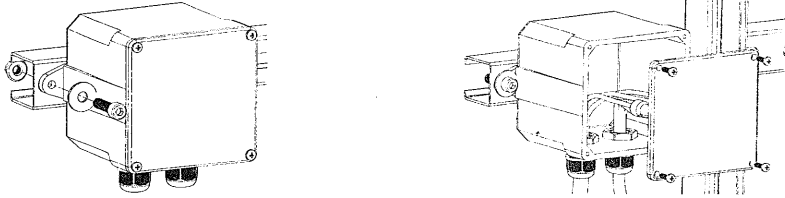
# APsystems YC500I-NA Microinverter

## Quick Installation Guide

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

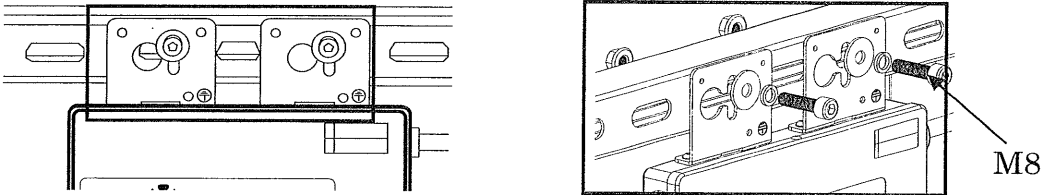
**Step 2. Position the AC bus cable and install the AC branch circuit junction box**

- 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: **L1 - RED; L2 - BLACK; N - WHITE; PE - GREEN.**

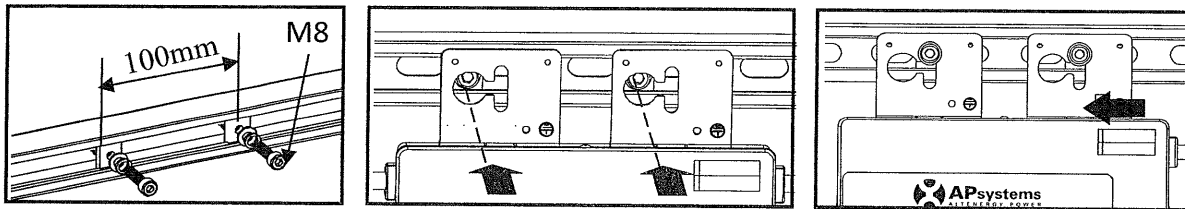


**Step 3. Attach the APsystems Microinverters to the racking or the PV module frame**  
 Attach to the racking.

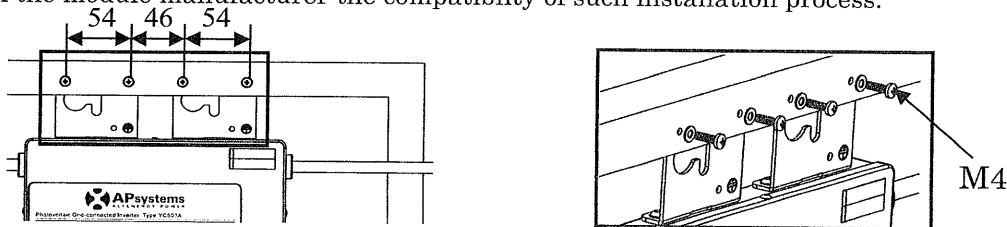
Option 1:



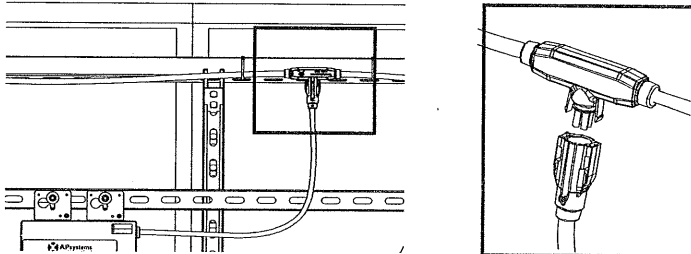
Option 2:



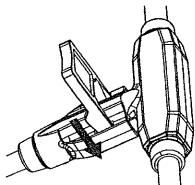
Attach to the PV module frame. Drill holes on the PV module frame before installing YC500I. Please check with the module manufacturer the compatibility of such installation process.



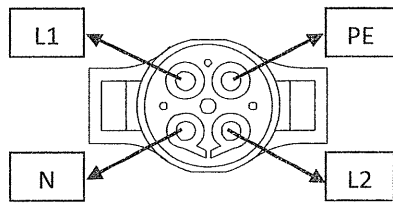
**Step 4. Connect the APsystems microinverter to AC bus cable**



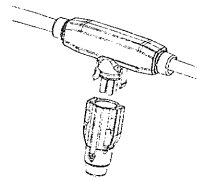
**Best Practice: Use the Withdrawal Tool of AC Bus to split the connectors.**



**NOTE: AC connector interface as follows.**

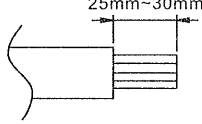


**NOTE: Cover any unused connectors with sealing caps to protect the connectors.**

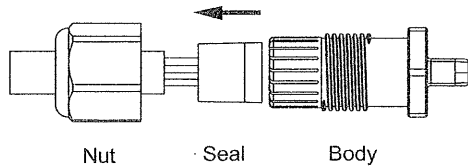


### Step 5. Install a protective end cap at the end of AC bus cable

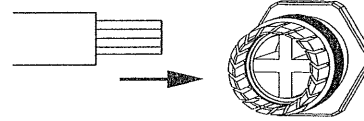
a. Strip cable jacket.



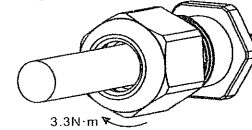
b. Insert the cable end into the gasket clamp.



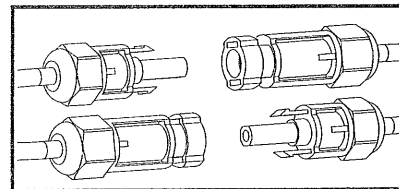
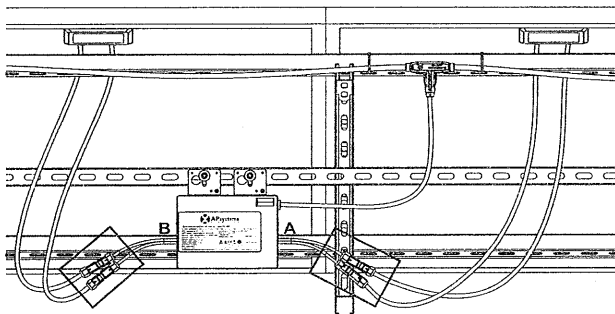
c. Insert the wires into the cable clamps.



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

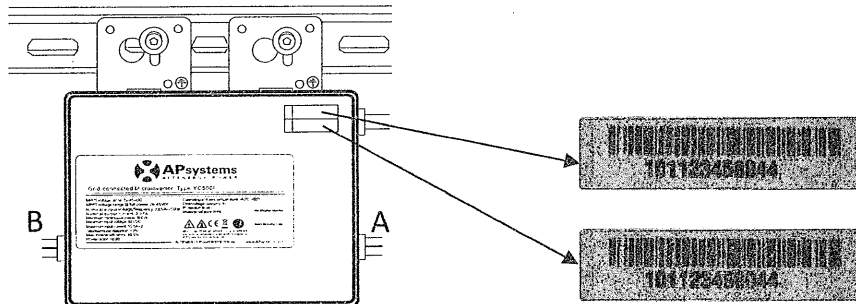


### Step 6. Place the PV modules and connect each YC500I to the PV modules



### 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.**

### 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.

**APsystems**

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*Product information is subject to change without notice. (Please download manuals at [www.APsystems.com](http://www.APsystems.com)).*