YOTTA ENERGY

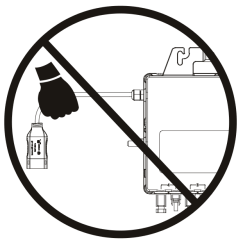
DPI-208 & DPI-480
Quick Installation Manual

Step 1. Verify the grid matches the DPI specifications (208V or 480V, 3PH).

Step 2. AC Bus Cable layout:

A) Ensure one connector of the AC Bus cable matches the final position of the microinverter.
B) One end of the AC Bus cable connects to the grid (via junction box) and the other must to be capped.
C) AC Bus cable color code is as follows: L1 - BLACK, L2 - RED, L3 - BLUE.

NOTE: Wiring color code can be different according to local regulations. Check all the wires of the installation before connecting to the AC bus to be sure they match. Wrong cabling can damage irreparably the DPI-208 and DPI-480 microinverters. Such damage is not covered by the warranty.

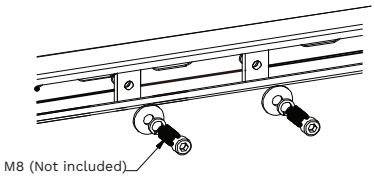


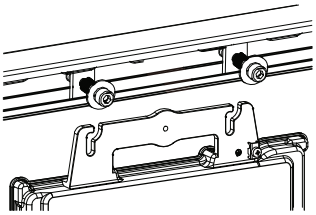
NOTE: Do not carry the inverter by the AC cable. This may cause the AC cable to partially or fully disconnect from the unit causing damage.

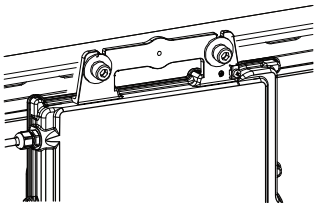
Step 3. Attach the **DPI-208 or DPI-480** to the racking:

NOTE: Install the microinverters (including DC and AC connectors) under the PV modules to avoid direct exposure to rain, UV or other harmful weather events. Allow a mimimum of 1.8 cm (3/4") below and above the casing of the microinverter to allow proper air flow. The racking must be properly grounded according to electrical code.

A) Mark the location of the microinverter on the rack avoiding the PV module junction box or any other obstructions.
B) Mount one microinverter on each position using the correct hardware. Make sure the grounding washer is facing the racking.

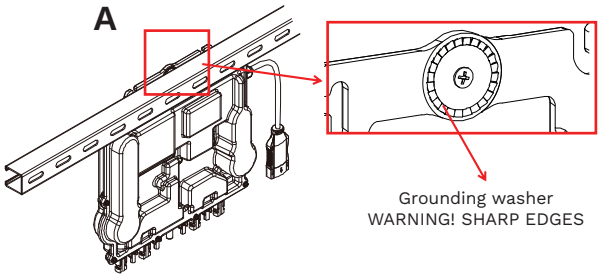


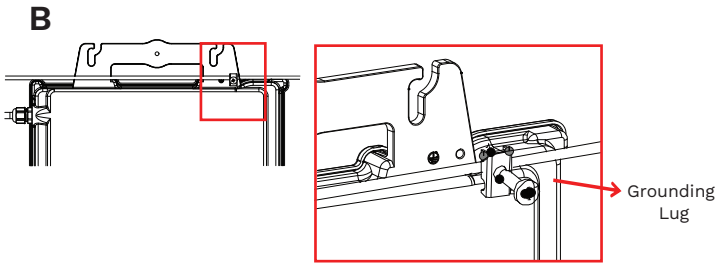




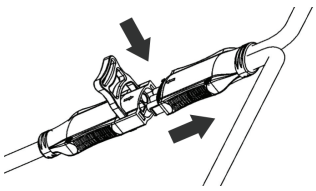
Step 4. Grounding the system. There's two options to properly ground the microinverter:

A) Using the grounding washer.
B) Using grounding copper wire through the grounding lug.

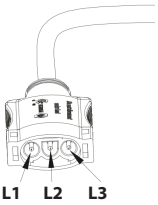




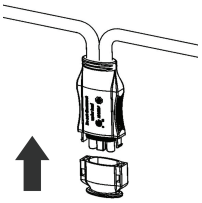
Step 5. Connect the **DPI-208 or DPI-480** to the AC bus cable. Push the microinverter AC connector to the bus cable connector. If it was properly connected. vou would listen for a "click".



NOTE: Use the bus cable unlock tool to split the connectors.



NOTE: AC connector interface should be as shown.



NOTE: Cover any unused connectors with bus cable Y-CONN caps to protect the connectors.

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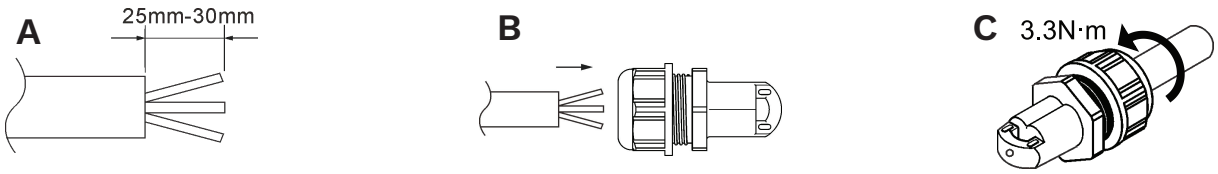
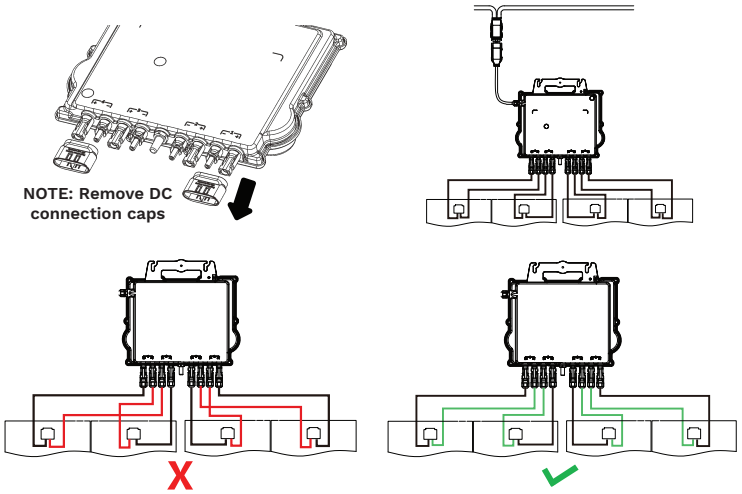
Step 6. Install the bus cable end cap at the end of the AC bus cable.



Step 7. Place the PV modules and connect each **DPI-208 or DPI-480** to the PV modules.



NOTE: When plugging in the DC cables, the microinverter should immediately blink green ten (10) times. This will happen as soon as the DC cables are plugged in and will show that the microinverter is functioning correctly. This entire check function will start and end within ten (10) seconds of plugging in the unit, so pay attention to these lights when connecting the DC cables.

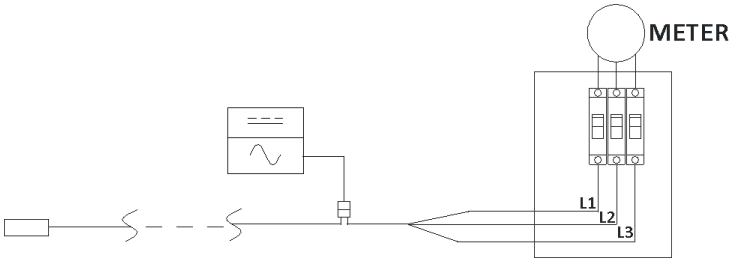
WARNING! Double check to make sure all of the AC and DC wiring has been correctly installed. Ensure that none of the AC and/or DC wires are pinched or damaged. Make sure that all of the junction boxes are properly closed.

WARNING! Each PV module must be carefully connected to the same channel. Never split positive and negative cables into two different channels, otherwise the inverter will be damaged and warranty will not apply.

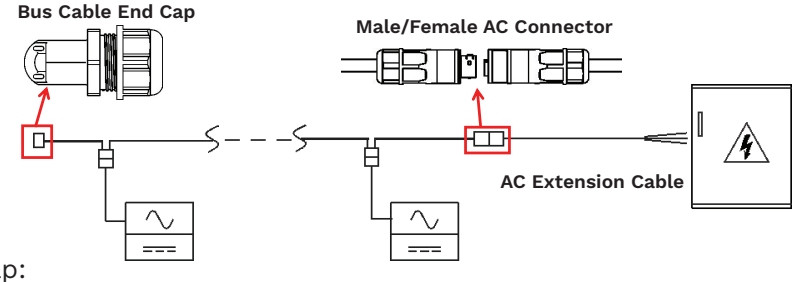
NOTE: No neutral wire output from inverter. Compatible with both DELTA and Wye 3-phase grid.

Step 8. Connect Microinverters to grid:

A) Please install 3-pole (Tripolar) backfeed capable breakers with proper rated current according to the local code.
B) Leakage current breakers or AFCI/GFCI breakers ar not recommended at all.

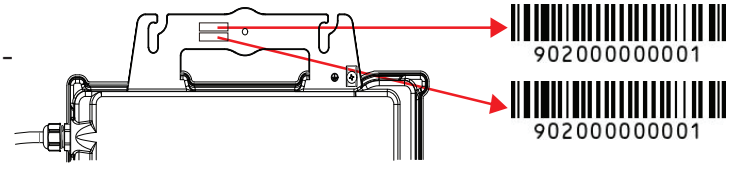


Step 9. When AC extension cable is needed, users could connect the AC bus cable and AC extension cable in a junction box or use a pair of male/female AC connectors (additional accesory).



Step 10. Complete the YOTTA installation map:

A) Each DPI-208 or DPI-480 microinverter has two (2) removable serial number labels attached by the handle.
B) Peel labels off and place one in the respective location on the YOTTA Installation Map. (Downloadable documentation)
C) Place the other serial number label on the PV module frame on an easy-access position.



Step 11. Start the system:

A) Turn on the AC circuit breaker on each **DPI-208 or DPI-480** microinverter AC branch circuit.
B) Turn on the main grid AC circuit breaker.

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