



Hoymiles Product Installation Training

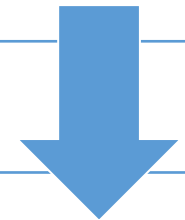
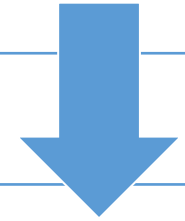
June, 2022

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About Bus Cable Installation

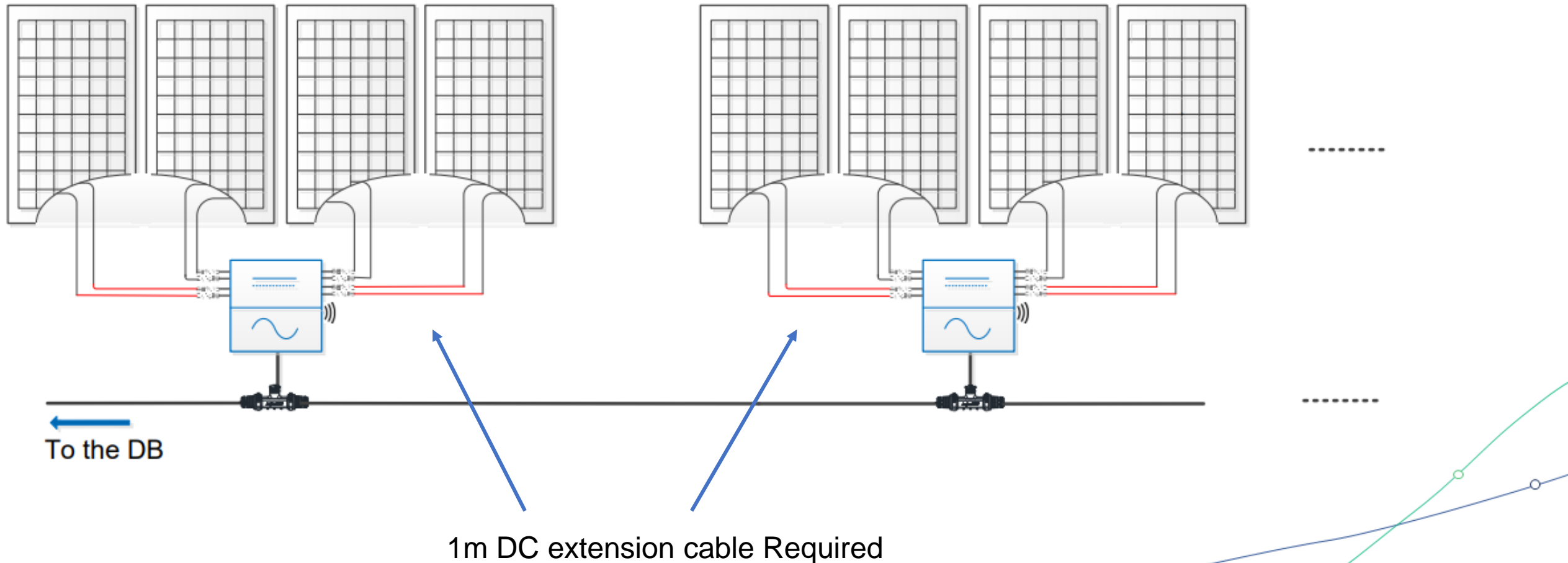
About Daisy Chain Installation

About DTU Installation



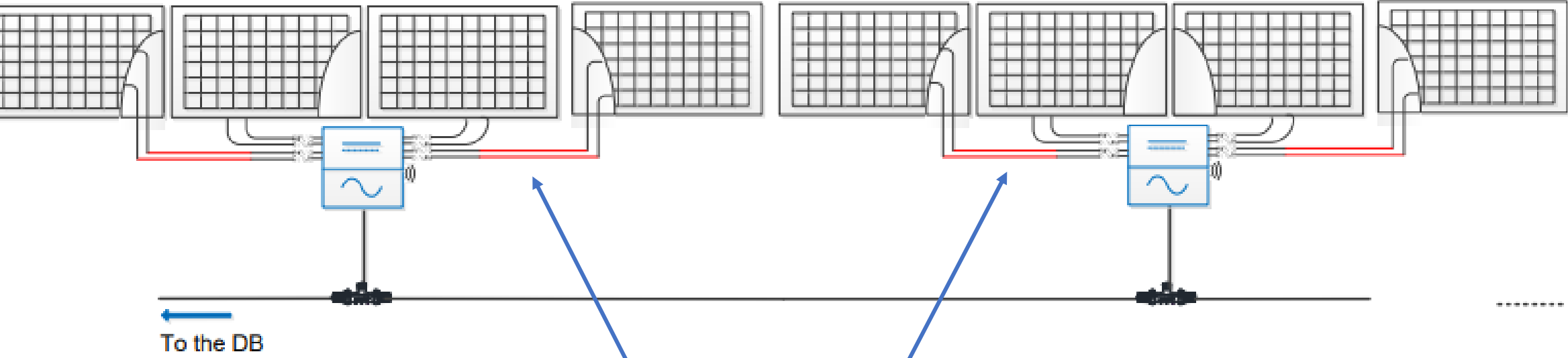
Panel layout

a. Place 1 row vertically



Panel layout

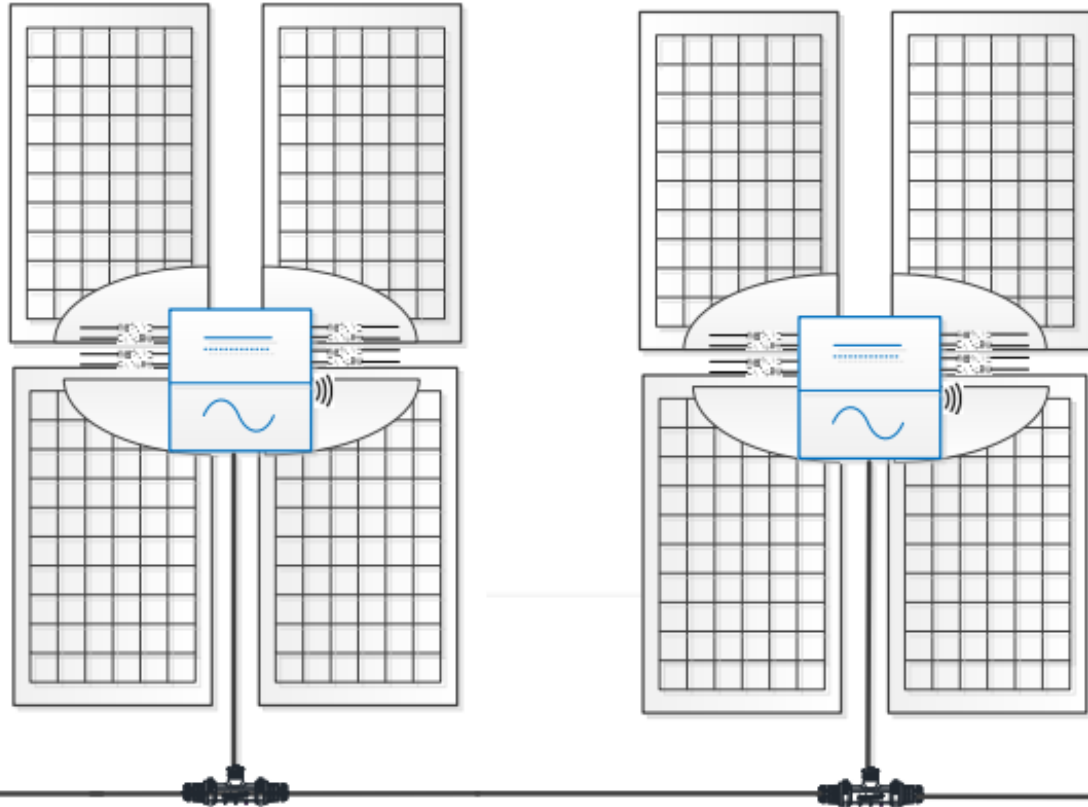
b. Place 1 row horizontally



1.2m DC extension cable Required

Panel layout

c. Place 2 row vertically



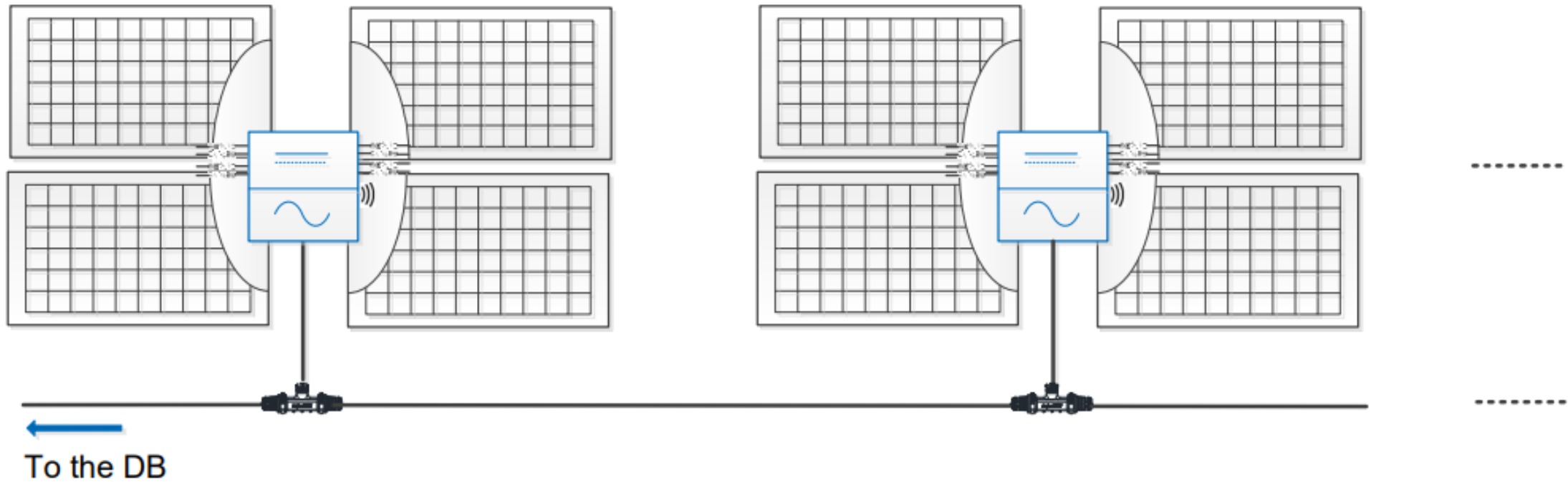
.....

DC extension cable is not required

.....

Panel layout

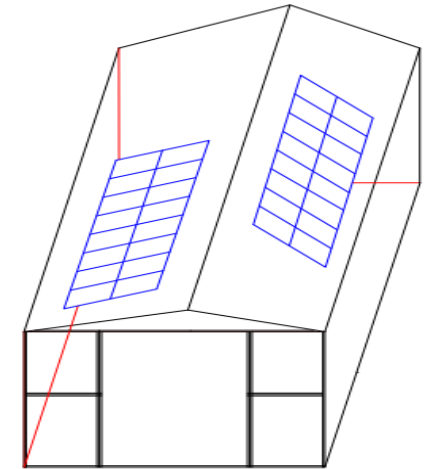
d. Place 2 row horizontally



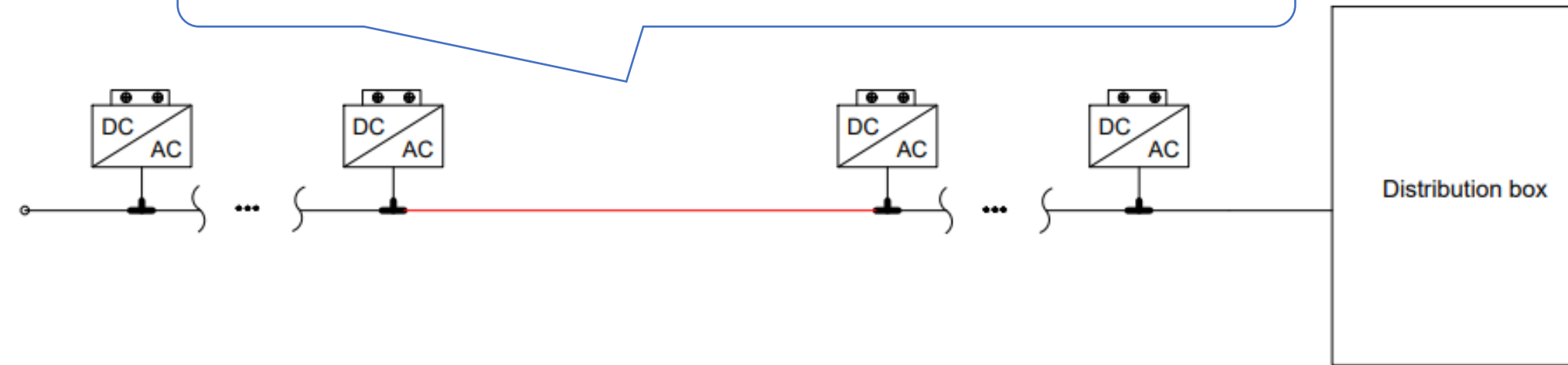
DC extension cable is not required

Microinverter layout

a. solution for using AC extension cable



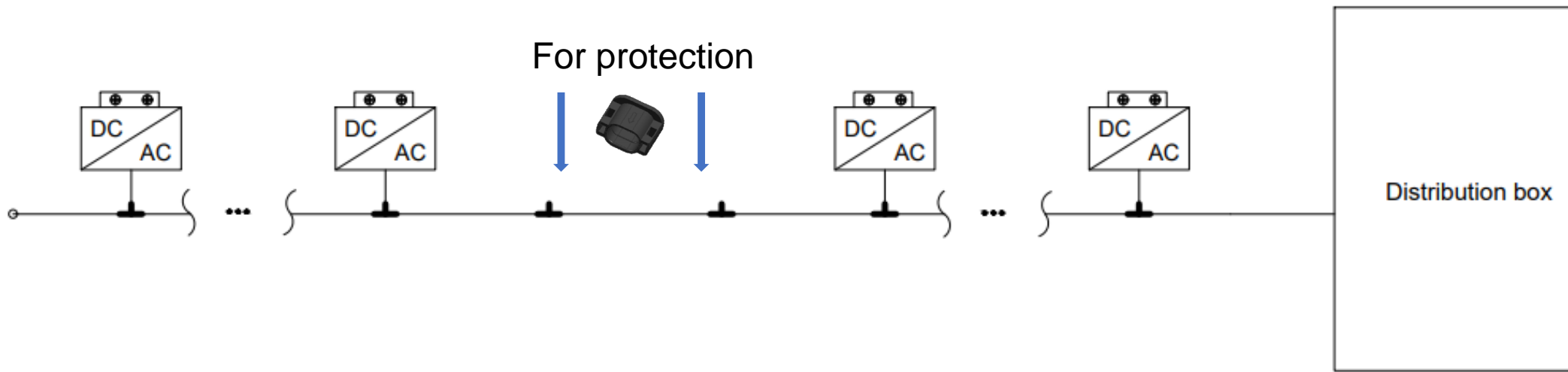
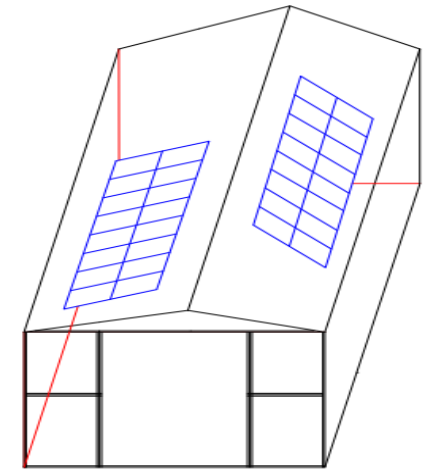
Use AC extension cable with proper length to connect 2 inverters that are far apart from each other



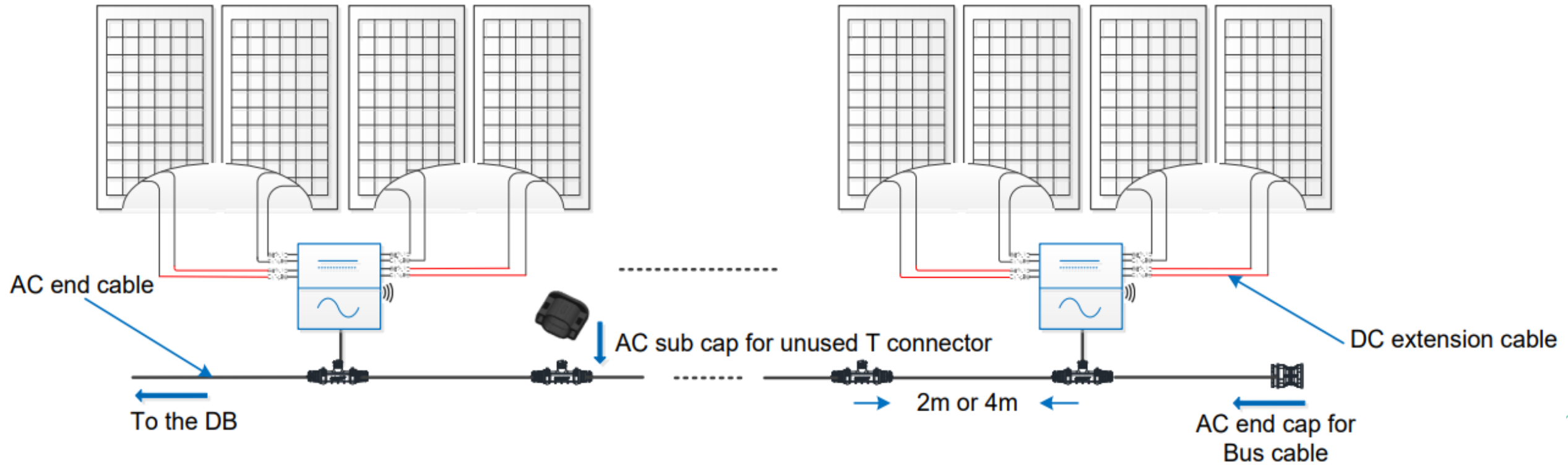
Microinverter layout

b. solution for using AC sub cap

Use a complete AC bus cable to connect all inverter and install the AC Trunk sub cap on the unused AC bus connector for safety protection.



Microinverter Installation Overview



Bus Cable Installation

1 Pre-installation(install the AC bus end cap on the AC bus end cable)

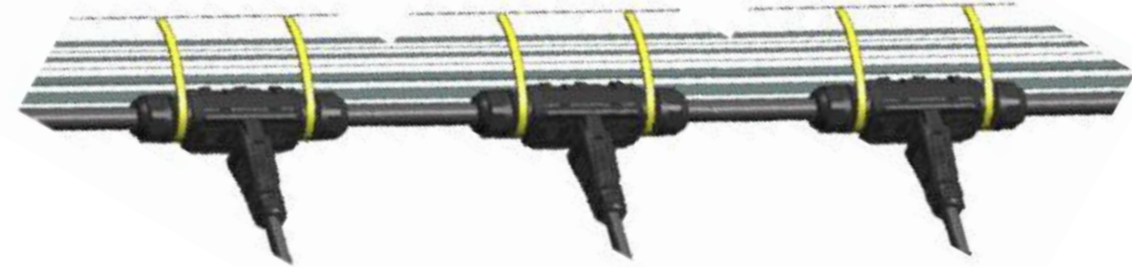


- Uses the bus connector unlock tool to unlock it;
- Loose the three screws with the screwdriver and remove the extra cable;
- Screw the cap back to port, and plug in the AC bus end cap;
- Plug the upper cover back to the bus connector.

Bus Cable Installation

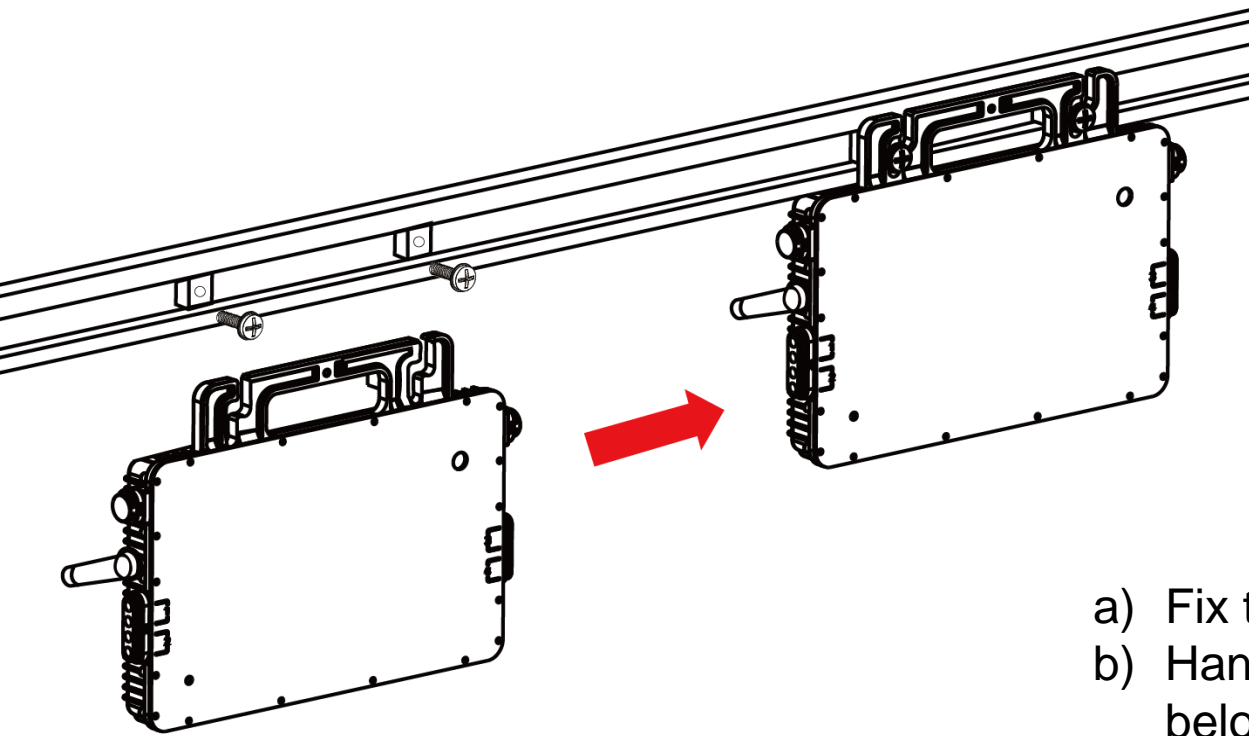
2 Fix the AC bus end cable on the rail

- a) Mark the position of the micro inverter on rail;
- b) Attach AC bus Cable to rail with Cable Tie.



Bus Cable Installation

3 Install the microinverter



- Fix the screw on the rail;
- Hang the microinverter on the screw (shown as picture below), and tighten the screw. The silver cover side of the microinverter should be facing the panel.

Bus Cable Installation

4 The completed communication connection forms a branch

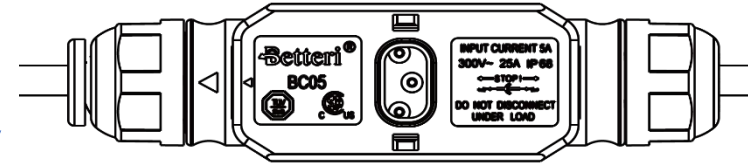
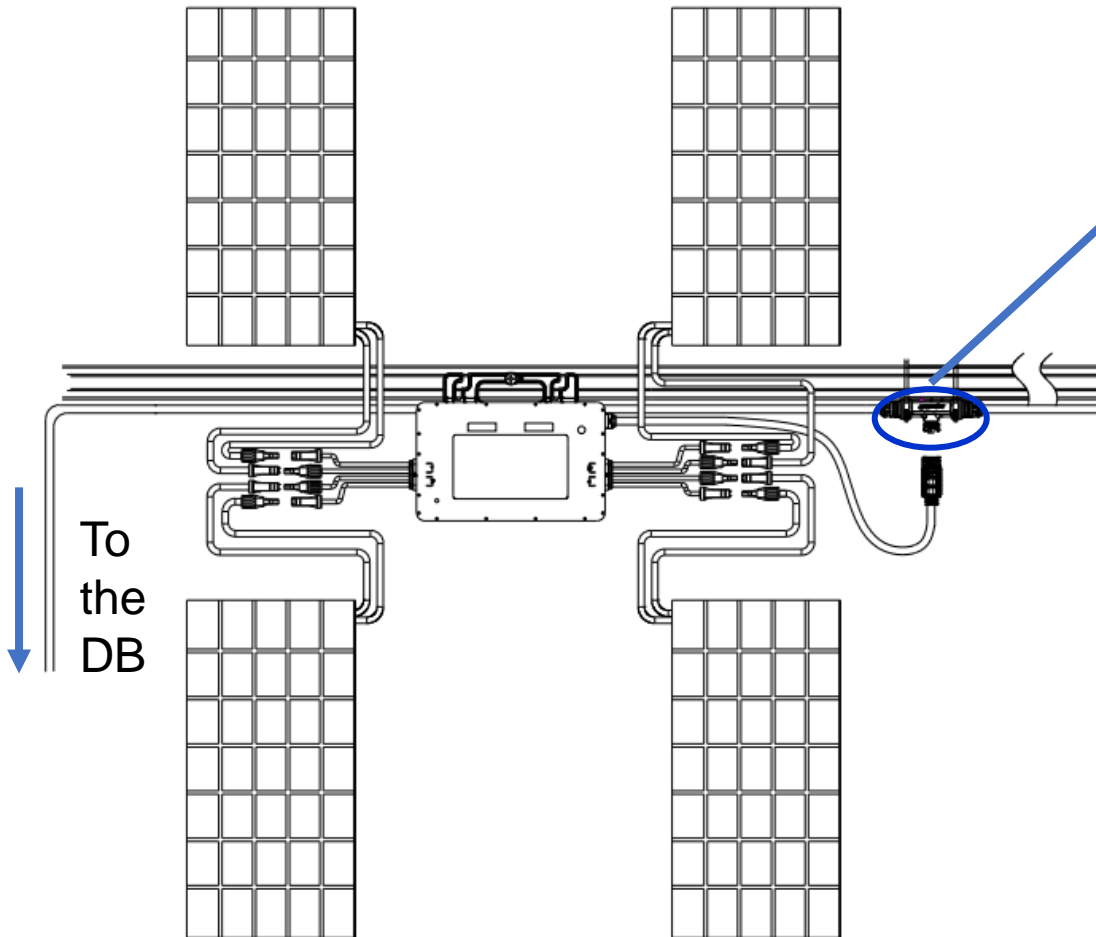
Push the AC connector of microinverter to the trunk cable connector until you hear “click”.



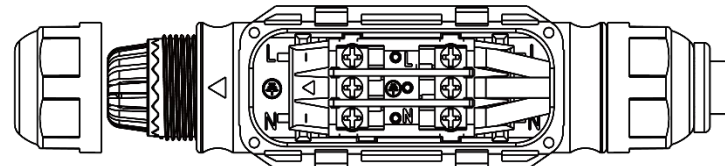
Note: If there is any vacant bus port, please plug the AC sub cap on the vacant plug to ensure waterproof and dustproof.

Bus Cable Installation

5 Install AC end cable



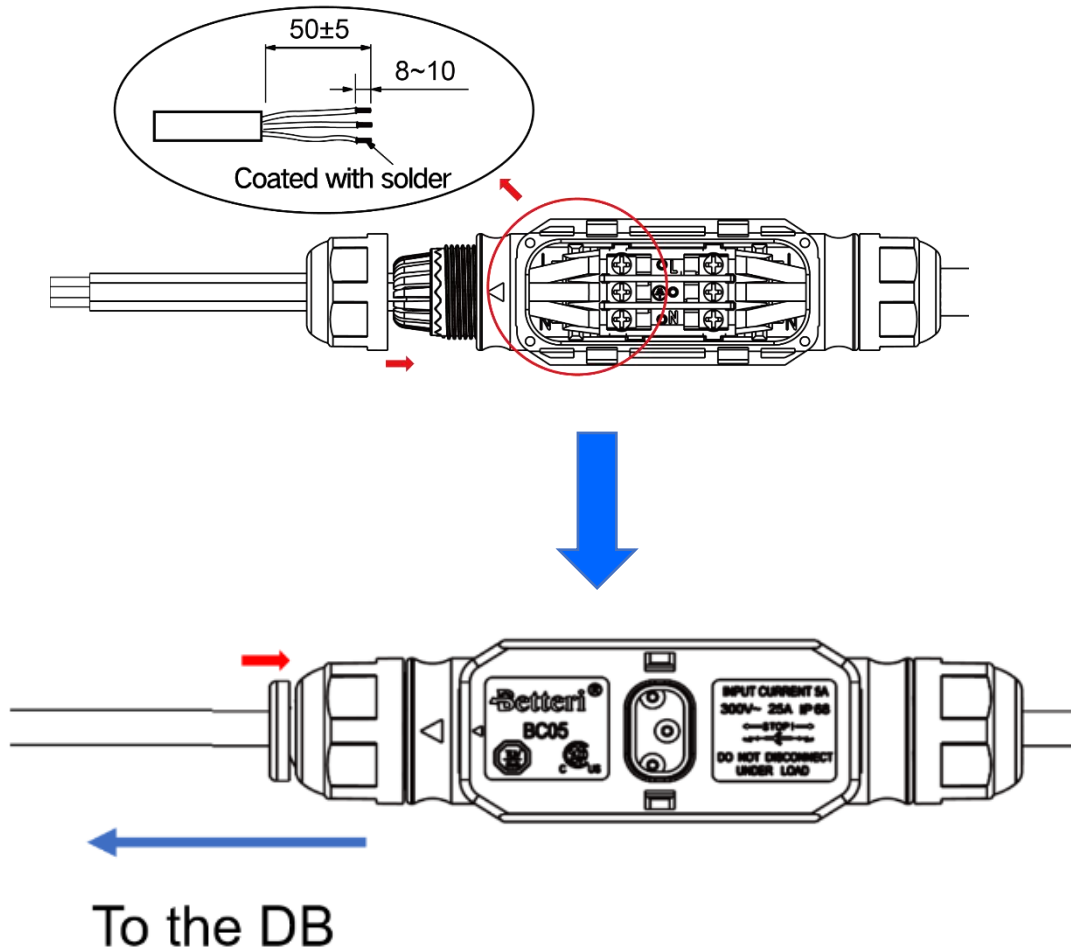
a) Open the AC Bus Connector on the last inverter with the unlock tool;



b) Insert one side of the cable into the cap;

Bus Cable Installation

5 Install AC end cable



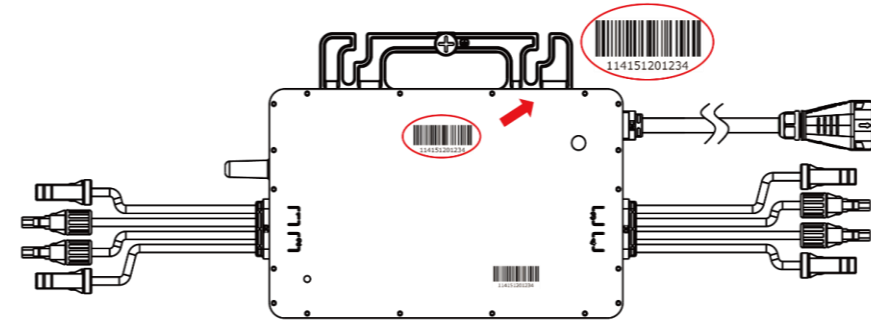
Note: Match the L, N and Ground line into the slot accordingly.

c) Tighten the screws, and then tighten the cap back to the port. Plug the upper cover back to the bus connector.

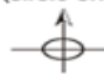

d) Connect the other side of the AC end cable to the distribution box, and wire it to the local grid network.

Bus Cable Installation

6 Create an Installation Map



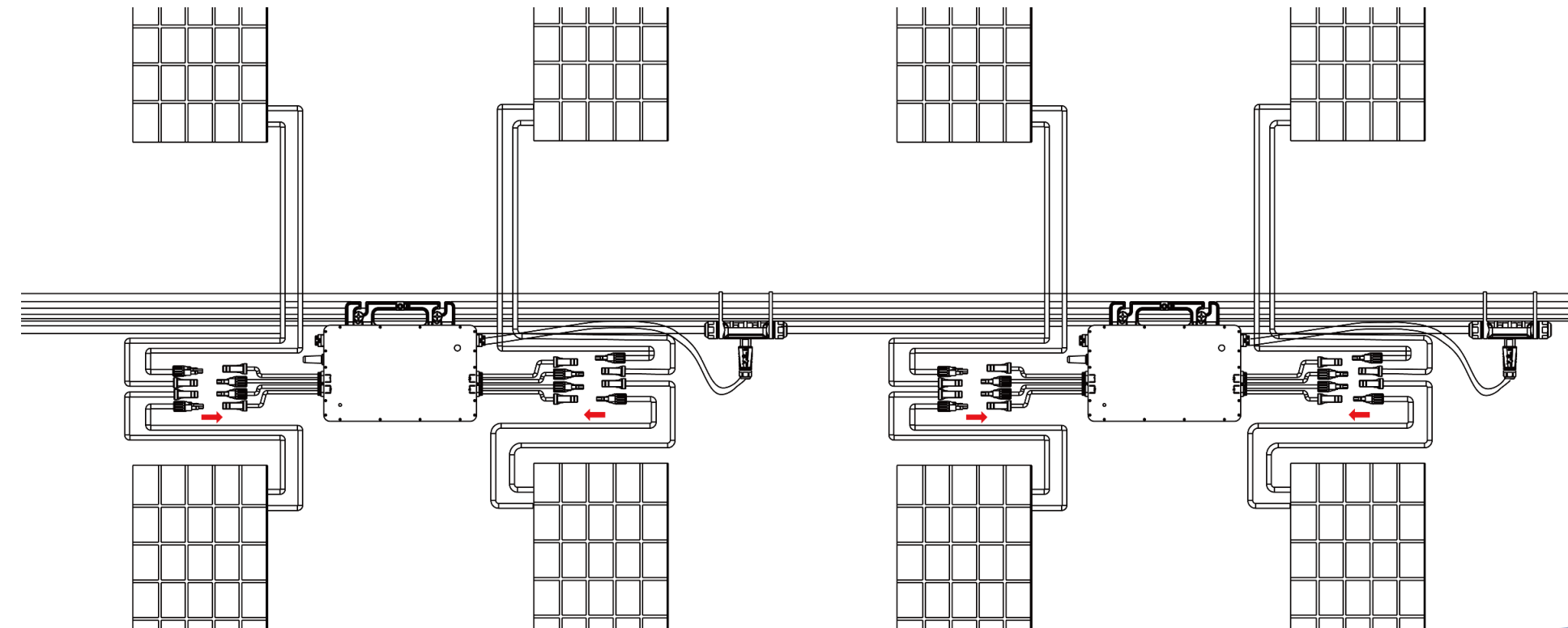
- Peel the removable serial number label from each microinverter (The position of the label is shown as above).
- Affix the serial number label to the respective location on the installation map.

N S E W (circle one) 	Panel Group: Azimuth: Tilt: Sheet ___ of ___				Customer Information:				DTU Serial Number:					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A	1	3												
B	2	4												
C														
D														

Bus Cable Installation

7 Connect PV panel

- Mount the PV modules above the microinverter.
- Connect the PV modules' DC cables to the DC input side of the microinverter.

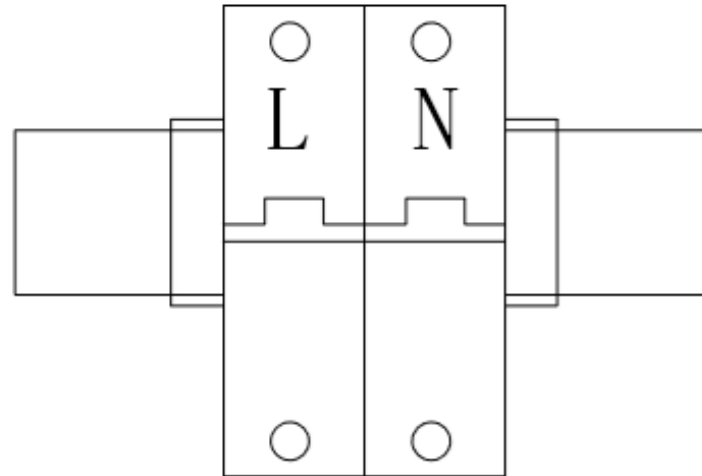


Bus Cable Installation

8 Energize the System

- If applicable, turn on the AC disconnect or circuit breaker for the branch circuit.
- Turn on the main utility-grid AC circuit breaker.

Your system will start producing power after about two-minute wait time.



About Bus Cable Installation

About Daisy Chain Installation

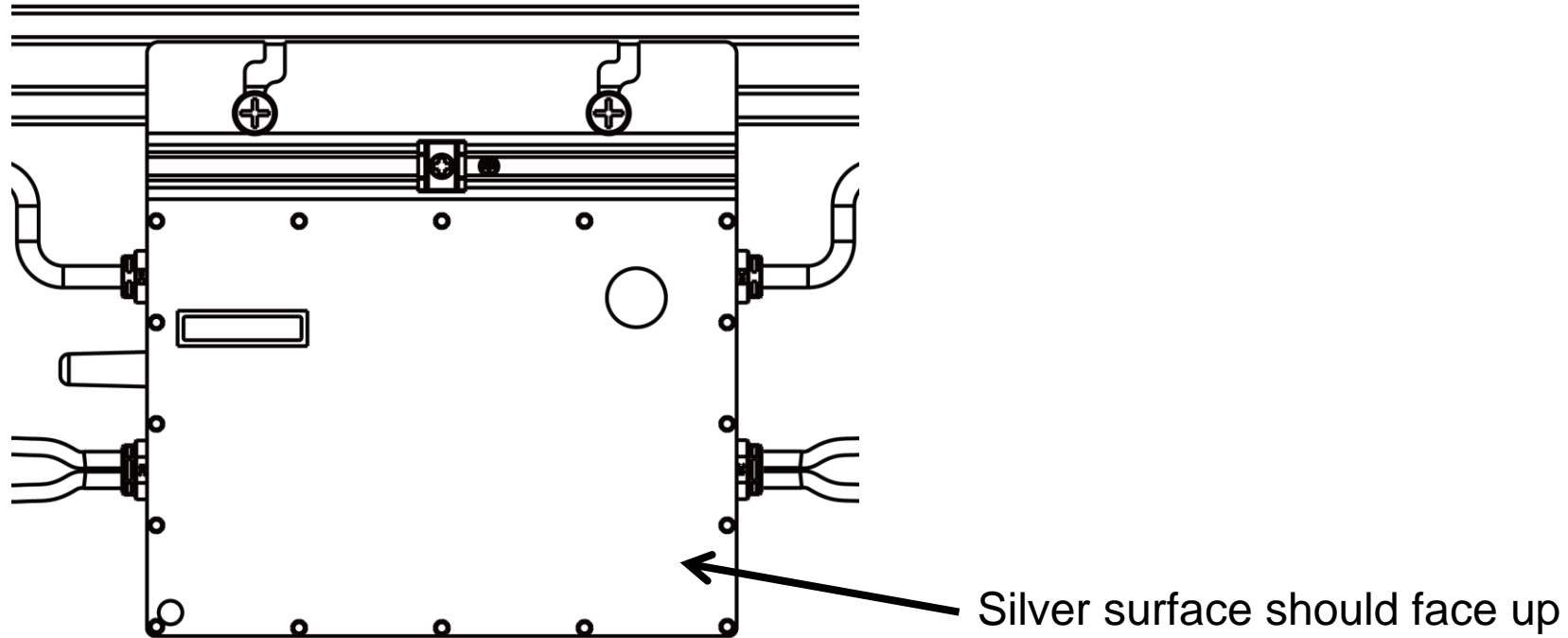
About DTU installation



Microinverter Installation

1 Install Microinverter

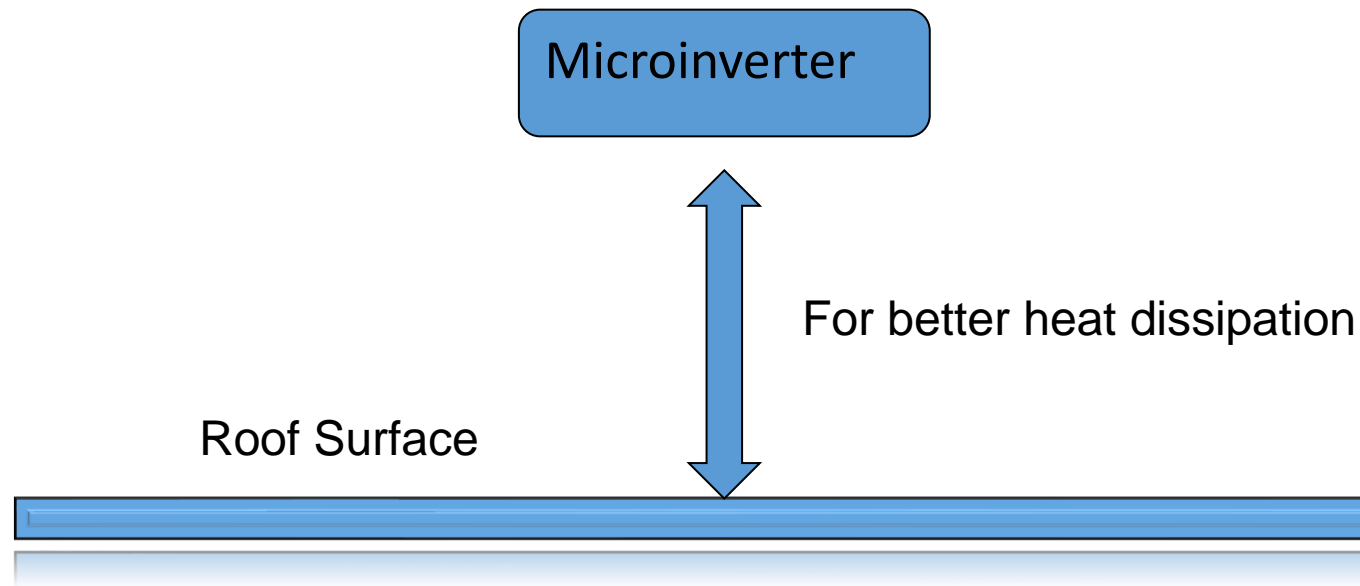
- a) Mark the approximate center of each panel on the racking.
- b) Install the unit shown as below. The silver surface should face up.



- c) Tighten the screw and fix the unit on the racking.

Microinverter Installation

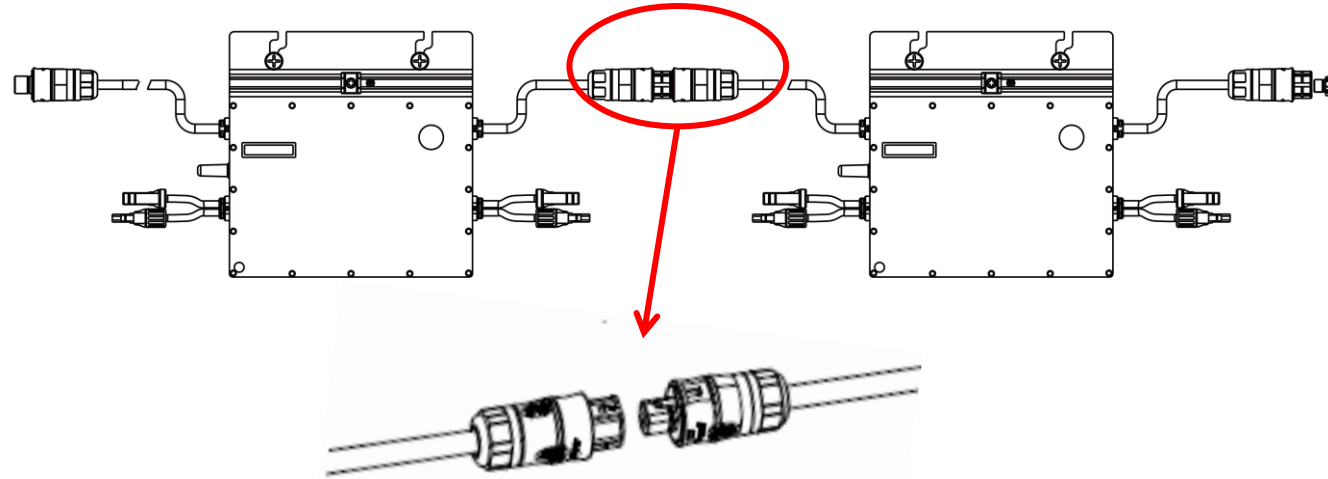
- **Suggestion:** At least more than 2cm above the roof surface and below the panel.
In order to ensure better signal quality between microinverter and DTU.



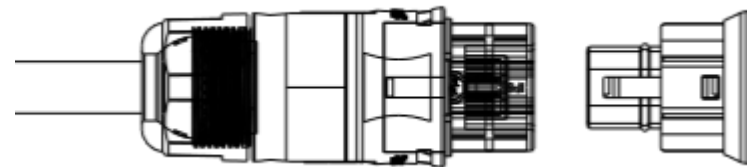
Microinverter Installation

2 Connect AC Cables of Microinverter

- a) Plug the AC connector of one microinverter into the connector of the next one, one by one, to make a continuous AC branch circuit.



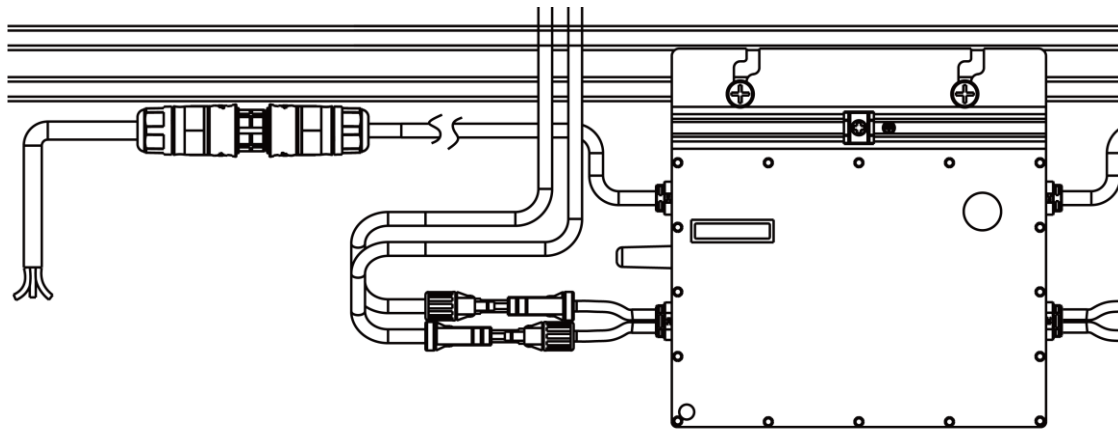
- b) Install the AC End Cap on the AC connector of the last microinverter in the AC branch circuit.



Microinverter Installation

3 Connect AC End Cables

- Connect the AC end cable (incl. AC female connector) with the microinverter's AC male connector.
- Connect another side of the AC End Cable to the distribution box, and wire it to the local grid network. Close the distribution box after the wiring is completed.



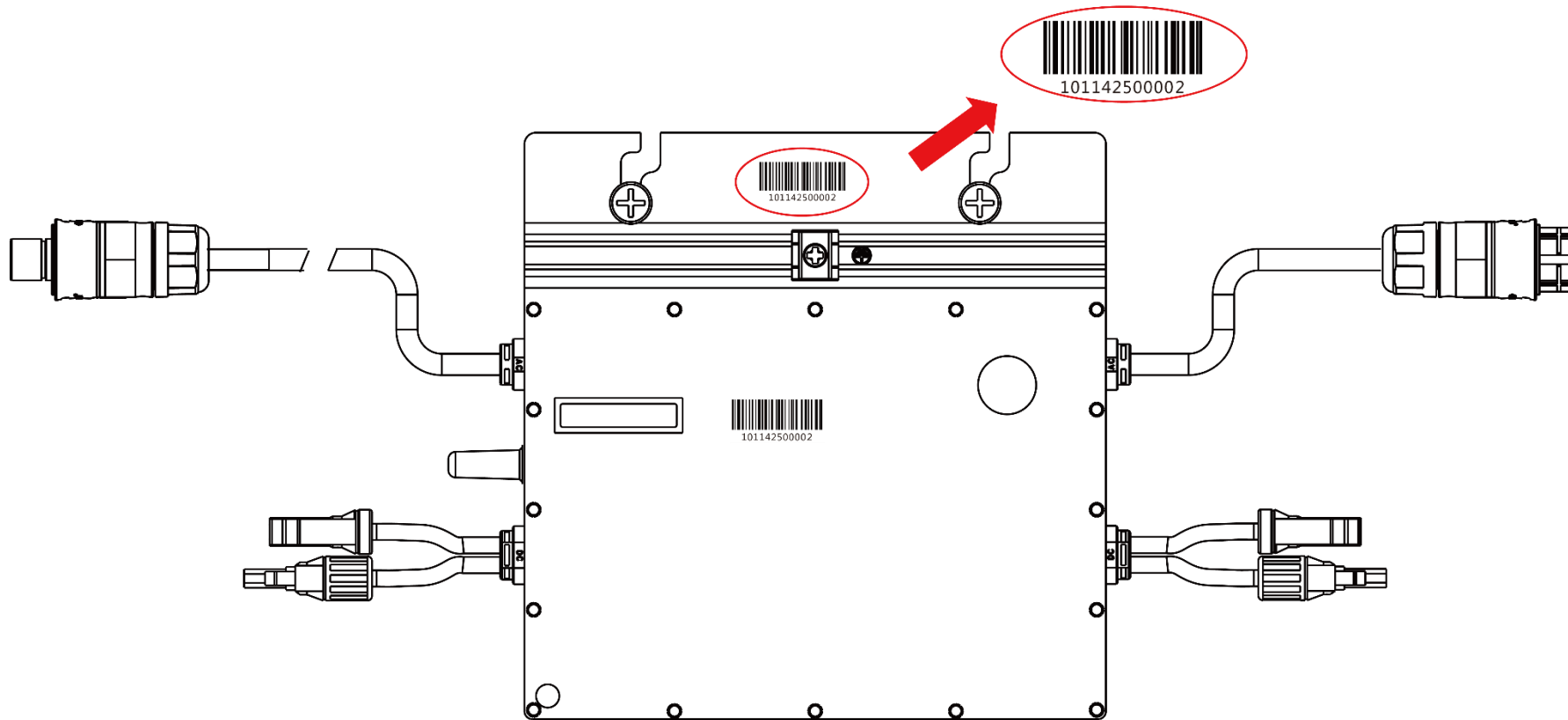
Brown Wire: L Blue Wire: N Yellow/Green Wire: Ground

Note: If the line color is different, please follow the local line rules for wiring.

Microinverter Installation




4 Create an Installation Map

a) Peel the serial number label from each Microinverter (The position of the label is shown as below).



Microinverter Installation

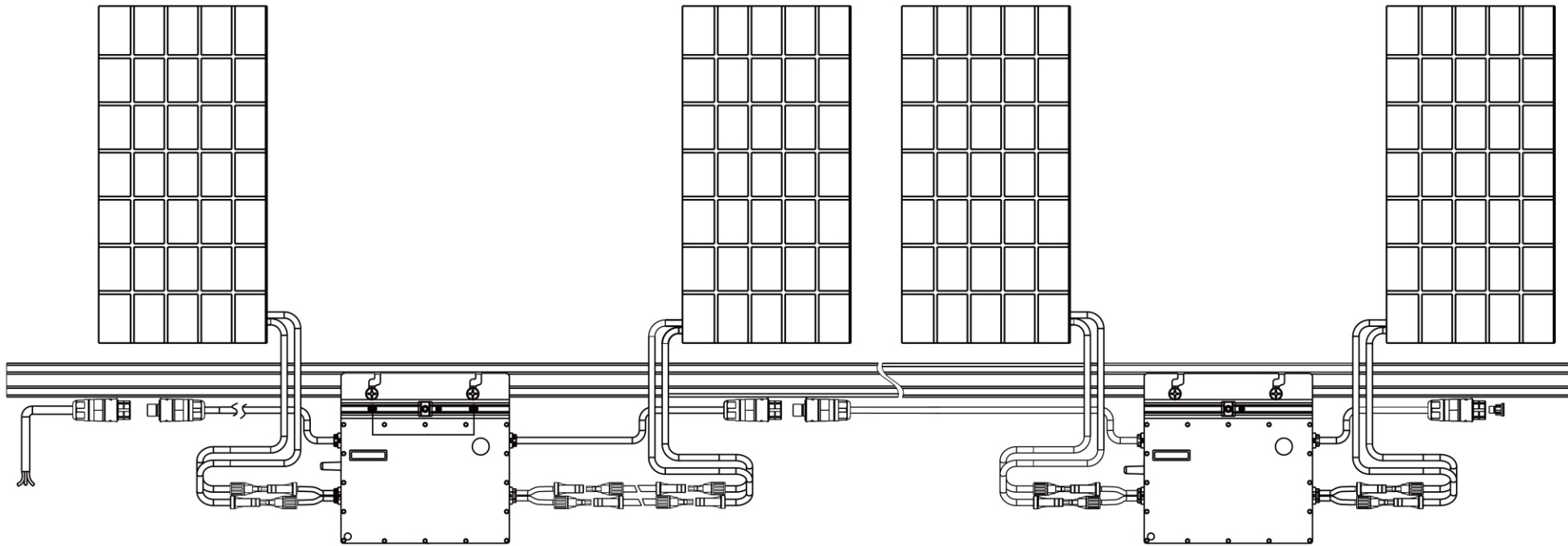
b) Affix the serial number label to respective position on the installation map.

N S E W (circle one) 		Panel Group: Azimuth: Tilt: Sheet ___ of ___			Customer Information:				DTU Serial Number:							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
A	1 	3														
B	2	4														
C																
D																

Microinverter Installation

5 Connect PV Modules

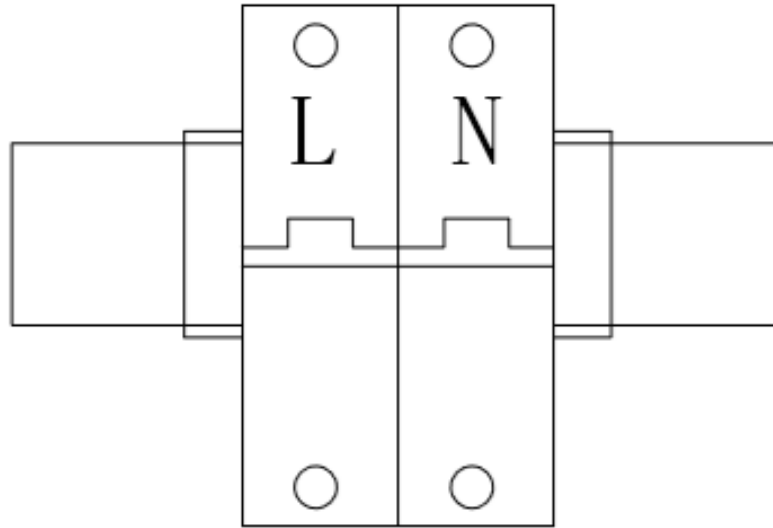
- Mount the PV modules above the microinverters.
- Connect the DC cables of the modules to the DC input side of the microinverter.



Microinverter Installation

6 Activate the System

- a) Turn on the AC breaker on the branch circuit.
- b) Turn on the main utility-grid AC circuit breaker.
- c) Your system will start producing power after about two minutes.





THANK YOU

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