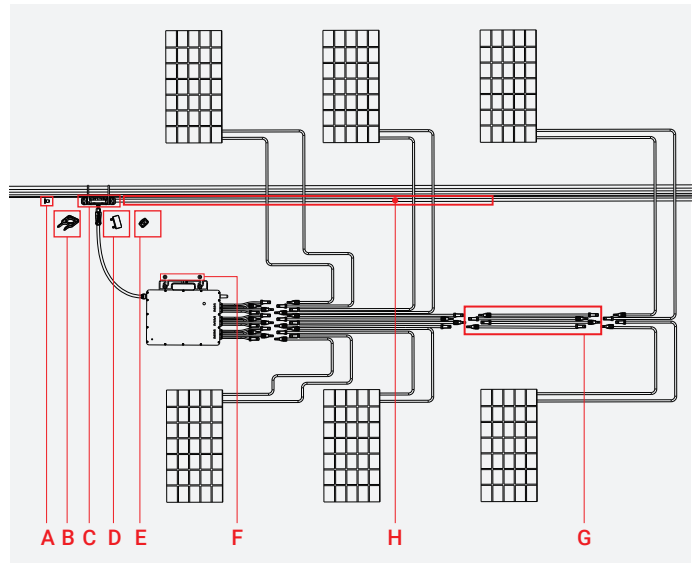


# Installing HMT-1800/2250 Three-Phase Microinverter

## 1. Accessories

ITEM	DESCRIPTION
A	3P-AC Bus End Cap, IP67
B	3P-AC Connector Unlock Tool
C	3P-AC Bus Connector
D	3P-Bus Connector Unlock Tool
E	3P-AC Sub Cap
F	M8*25 screws
G	DC Extension Cable,1m
H	3P-AC Bus Cable, 12/10 AWG Optional

\*Note: All accessories above are not included by the package, will need to be purchased separately. Please contact our sales representative for the price (M8 screws will need to be prepared by installer-self).



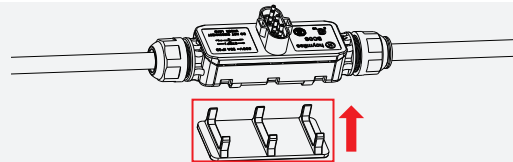
## 2. Installation Steps

Please make sure the microinverter install under the required environment. (Please refer to product user manual for more details).

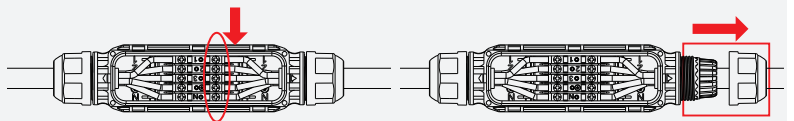
### 2.1 Pre-installation

- A) Plan the cable length to allow the bus cable align with each PV module.
- B) Install the AC bus end cap:

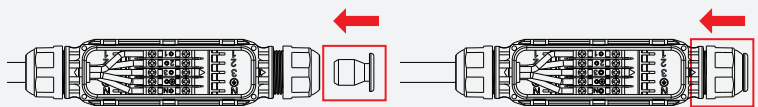
- Use the 3P-Bus connector unlock tool to unlock the connector upper cover;



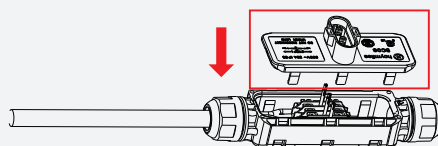
- Loose the five screws with the screwdriver. Untighten the nut shown as picture and remove the extra cable.



- Slightly screw the nut back to the body, plug in the 3P-AC bus end cap and tighten the nut.



- Plug the upper cover back to the 3P-AC bus connector.



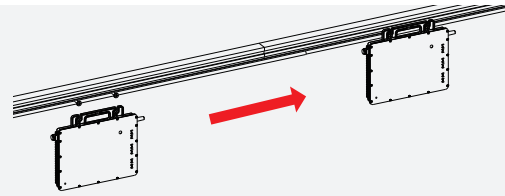
### 2.2 Installation Steps

#### Step 1. Fix Microinverter on the Rail

- A) Mark the approximate center of each panel on the frame.
- B) Fix the screw on the rail.

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

Note: Install the microinverter with the silver side up and under the PV module. Allow a minimum of 2cm around the microinverter enclosure to ensure ventilation and heat dissipation.

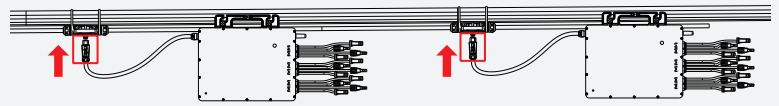


## Step 2. Complete the AC Connection

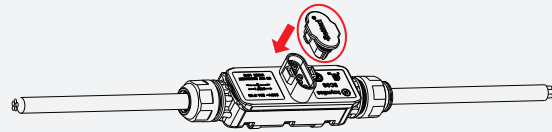
- A) Attach the 3P-AC Bus Cable with the mounting rail, and fix the cable by tie wraps.



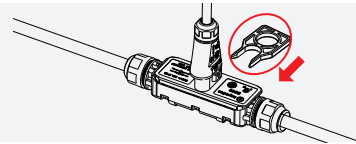
- B) Push the AC connector from microinverter to the 3P-AC bus connector until you hear "click".



- C) If any bus port is vacant, please plug the 3P-AC sub cap into the port to protect it from dust and water.

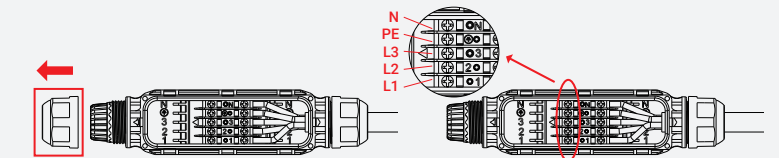


Note: Under the circumstance that need to remove the inverter AC cable from 3P-AC bus connector, please use the 3P-AC connector unlock tool and insert the tool into the side of AC port to remove.

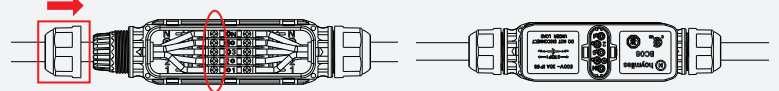


## Step 3. Install AC End Cable

- A) Prepare the 3P-AC End Cable with the proper length, insert one side of the cable into the seal nut. Match the L1, L2, L3, N and Ground line into the slot accordingly. Tighten the screws, and then tighten the cap back to the connector. Plug the upper cover back to the 3P-AC bus connector.

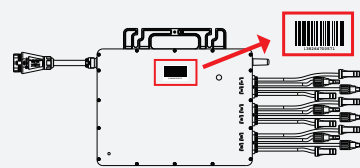


- B) Connect the other side of the AC End Cable to the distribution box, and wire it to the local grid network.

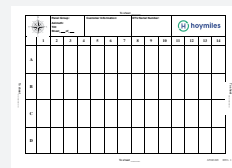


## Step 4. Create an Installation Map

- A) Peel the removable serial number label from each microinverter (shown as picture).



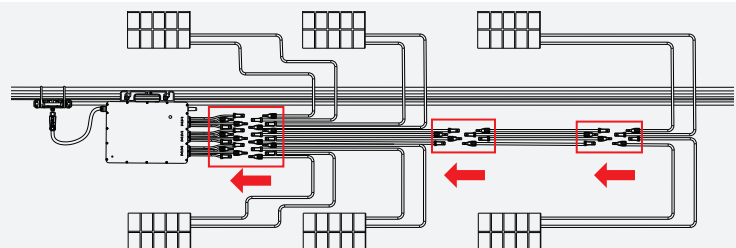
- B) Affix the serial number label to the respective location on the installation map.



## Step 5. Connect PV Modules

- A) Mount the PV modules above the microinverter

- B) Connect the PV modules' DC cables to the DC input side of the microinverter.



## Step 6. Energize the System

- A) Turn on the AC breaker for the branch circuit.  
B) Turn on the main AC breaker for the house. The system will start to generate power after several minutes.

## Step 7. Monitoring System Set Up

Refer to the DTU User Manual or DTU Quick Install Guide, and Quick Installation Guide for HMP Online Registration to install the DTU and set up monitoring system.