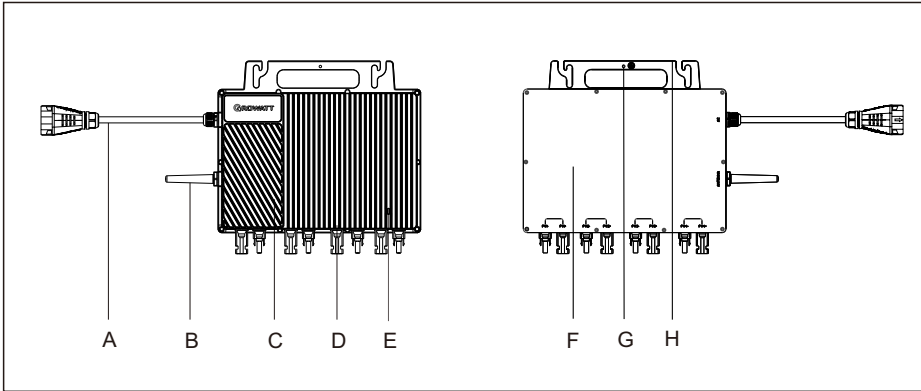


1. Overview

1.1 Microinverter Overview

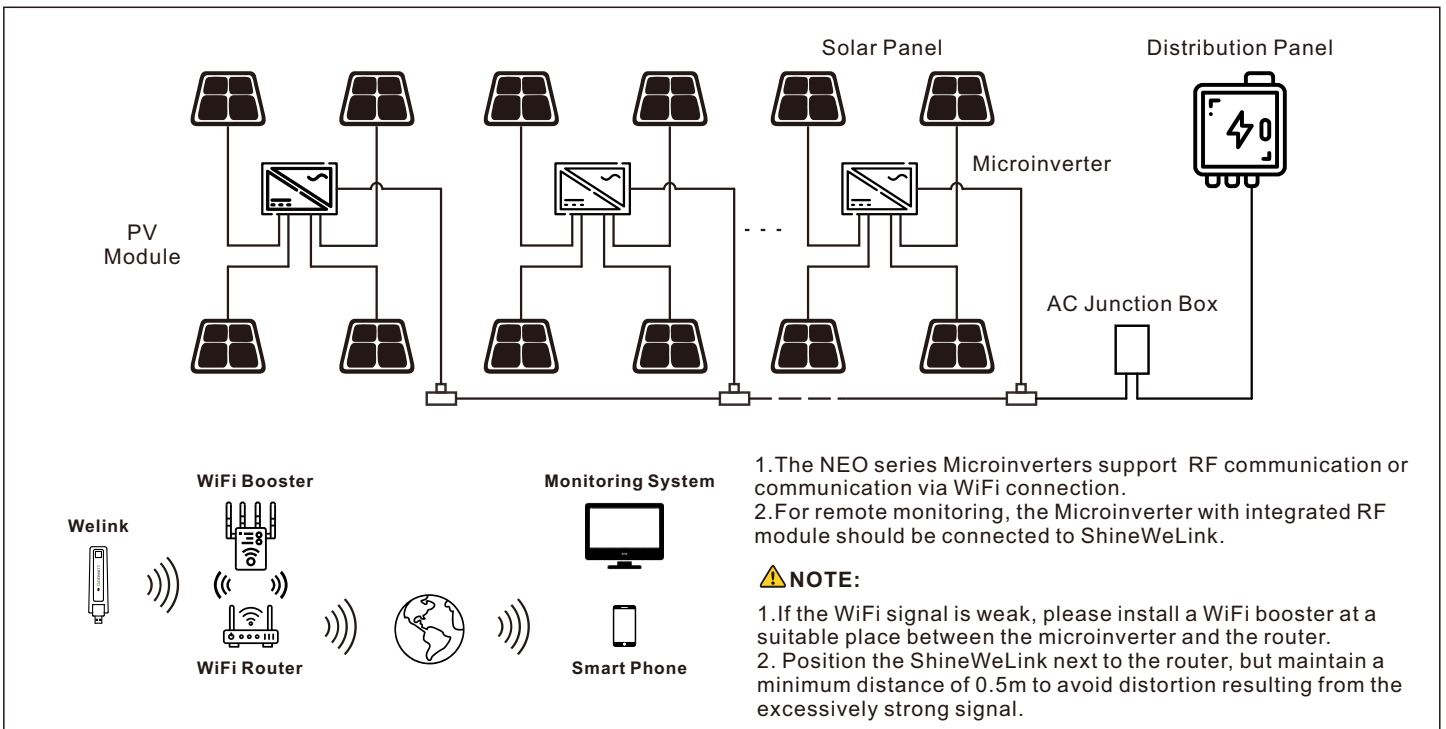


Item	Description
A	AC branch wire
B	Antenna
C	Heat sink
D	PV terminal
E	LED
F	Back plate
G	Grounding hole
H	Handle

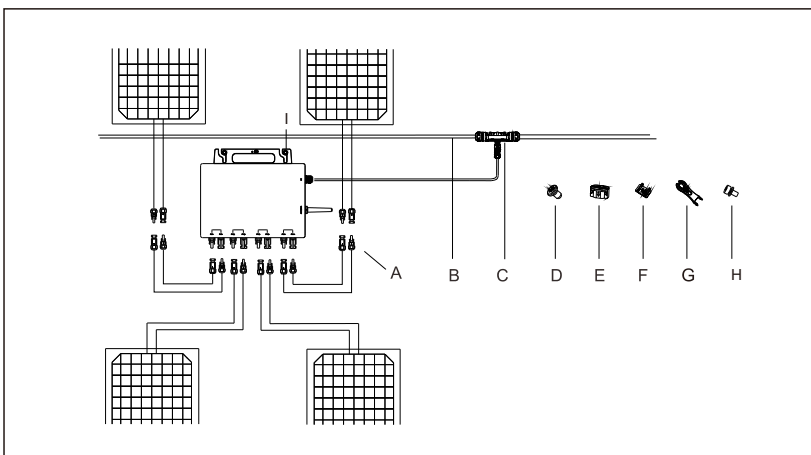
⚠ Note:

1. This document is intended for use as a quick installation guide. For details, please refer to the User Manual.
2. Growatt shall not be liable for any damage caused by improper operations.

1.2 System Overview



1.3 Accessories



Item	Description
A	PV Extension Cable
B	AC Bus Cable(AWG 12/10)
C	AC Trunk Connector
D	AC Trunk End Cap
E	AC Trunk Port Cap
F	AC Trunk Connector Unlock Tool
G	AC Sub Connector Removal Tool
H	Grounding screw (M4*6)
I	M8*25 mounting screws (Prepared by the installer)

⚠ NOTE:

All accessories listed above are not included in the package and should be purchased separately.

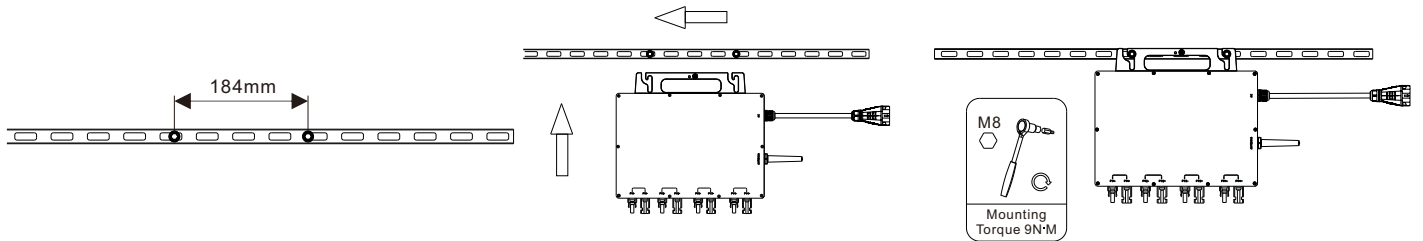
2. Installation Procedures

⚠ NOTE:

1. The sequence can be changed based on your installation plan.
2. When crimping the AC trunk cable, a hexagonal wire crimper must be used.

Step 1. Install the Microinverter

- a. Mark the position of each Microinverter on the rack, according to the PV module layout.
- b. Mount one Microinverter at each of these locations using accessories recommended by your module racking vendor.

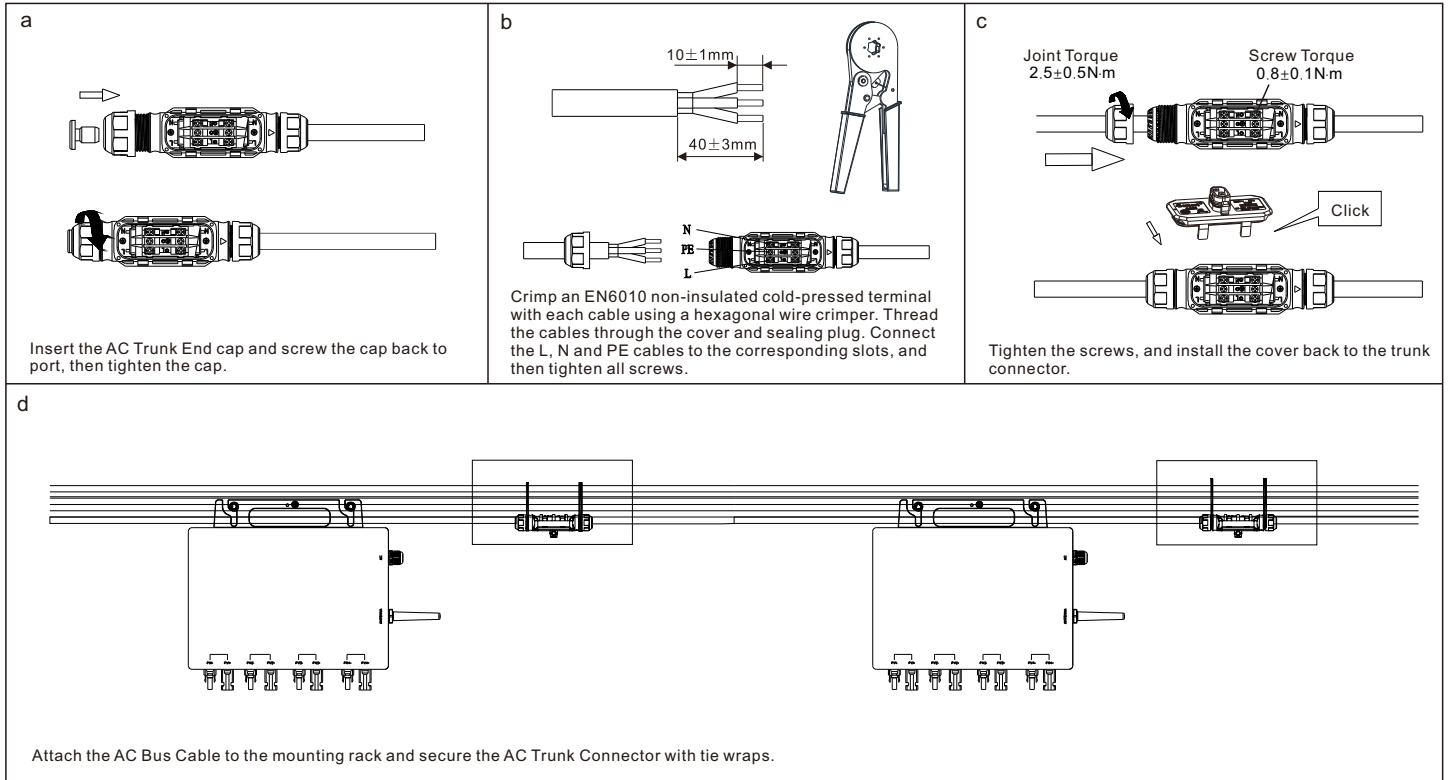


Step 2. Ground the system

- a. The AC cable has an embedded PE wire, which might be sufficient to ensure proper grounding.
- b. In some areas, a second protective conductor is required to prevent a touch current in the event of a malfunction in the original protective conductor. The additional grounding can be done by grounding the screw hole on the handle.

Step 3. Connect the AC bus cable

AC bus cable is used to connect the Microinverter to the distribution panel.



⚠ WARNING:

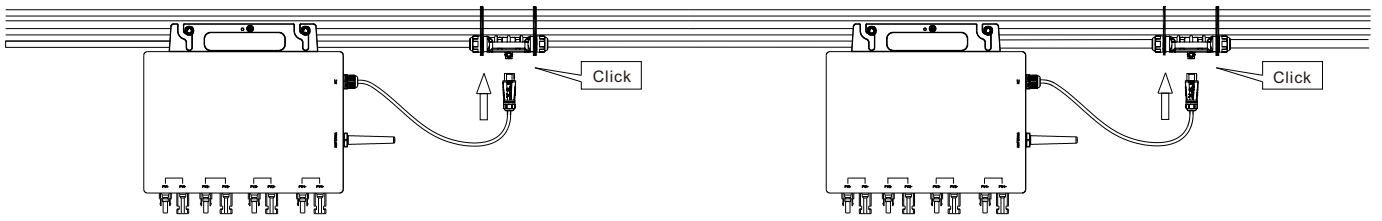
Verify that the grid voltage is matching with the Microinverter rating.

⚠ NOTE:

1. It is recommended to use TC-ER 3C AWG 12 or 10 cable for different applications.
2. Do not exceed the maximum number of Microinverters in each cable with respect to the maximum current of the AC bus cables.

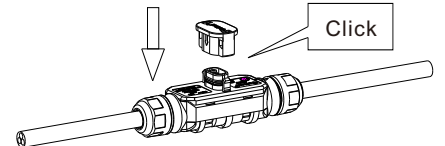
Step 4. Complete the AC Connection

a. Push the Microinverter AC Sub Connector to the AC Trunk Connector. Make sure to hear the "click" as proof of a robust connection.



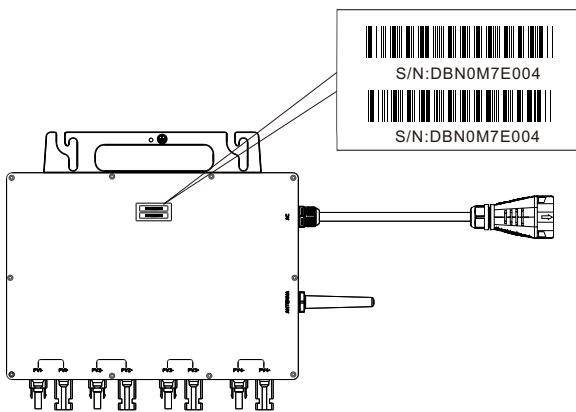
b. Connect the AC end cable to the distribution panel, and wire it to the local grid network.

c. Please plug the AC Trunk Port Cap in any vacant AC Trunk Port to prevent from water and dust.



Step 5. Create an Installation Map

a. Peel the removable serial number label from each Microinverter.



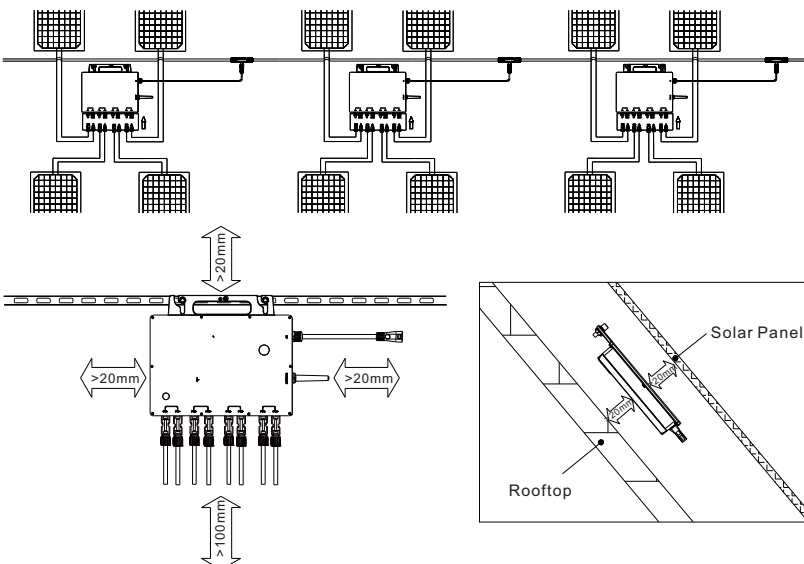
Please Make N for North		Microinverter Installation Map								V1.0	
 Azimuth: Tilt:		PV Array Type: Qty: Microinverter Type: Qty:		Owner: Installer:		WeLink Serial Number: Date of Installation: Sheet ___ of ___					
N	1	2	3	4	5	6	7	8	9	10	
A											
B											
C											
D											
E											
F											
G											
H											
J											
K											
L											

b. Affix the serial number label to the respective location on the installation map (refer to the appendix), according to the layout on the roof.

Step 6. Connect PV Modules

a. Mount the PV modules above the Microinverter.

b. Connect the DC cables of PV modules to the DC input of the Microinverter.



⚠ WARNING:

The Max. open circuit voltage under the temperature of -40°C must not exceed the Max. input voltage of the Microinverter.
Make sure to not split positive and negative DC cables into two different input channels.

⚠ NOTE:

1. If the DC cable is too short for installation, use the DC Extension Cable to connect PV modules to Microinverter, otherwise the PV terminals will be damaged. It is recommended to use PV cable (PV1-F).
2. The total length of PV cable must not exceed 5m.
3. The Microinverter (including DC and AC connectors) should avoid direct exposure to sunlight, rain or snow. Do not place the Microinverter in the gap between PV modules. Reserve a clearance of at least 20mm around the Microinverter to ensure sufficient space for ventilation and heat dissipation.

