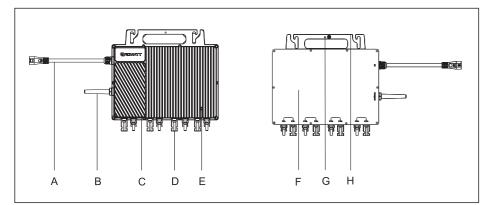


# 1. Overview

## 1.1 Microinverter Overview



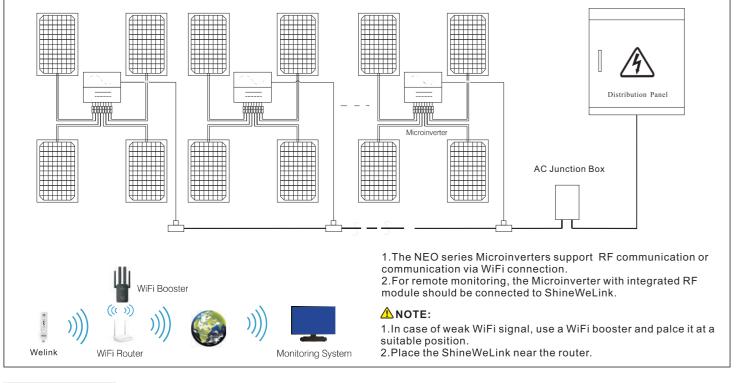
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NEO M-X Microinverter Quick installation Guide

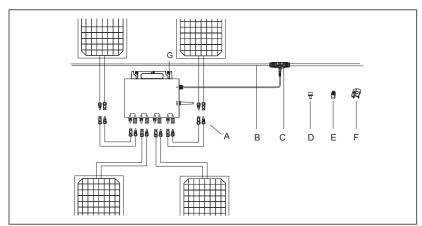
## ⚠ Note:

- 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						
Α	PV Extension Cable						
В	AC Bus Cable(AWG 12/10)						
С	AC Trunk Connector						
D	AC Trunk End Cap						
Е	AC Trunk Port Cap						
F	AC Trunk Connector Unlock Tool						
G	M8*25 screws (Prepared by the installer)						

## **⚠**NOTE:

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

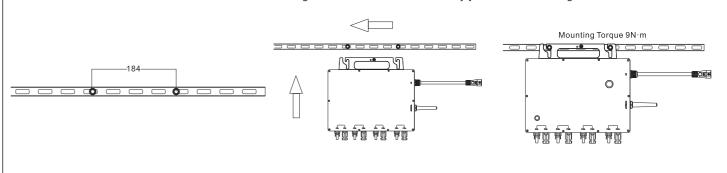
# 2. Installation Procedures

## **⚠** NOTE:

The sequence can be changed based on your installation plan.

## 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.

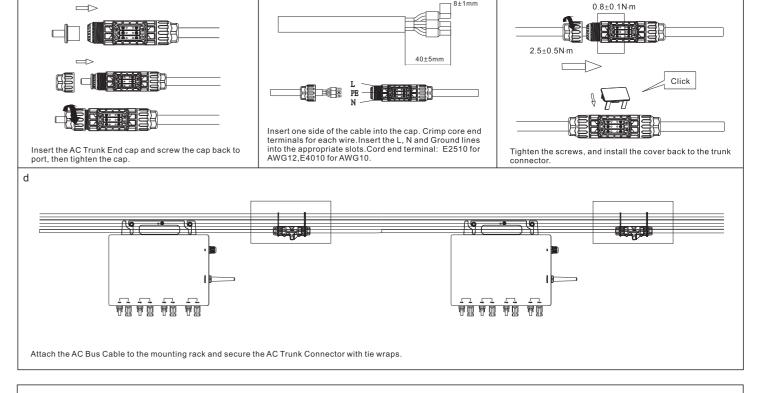


#### Step 2. Ground the system

- a. The AC cable has an embedded PE wire, which might be sufficient to ensure proper grounding.
- b.In areas with special grounding requirements, external grounding may be needed 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:

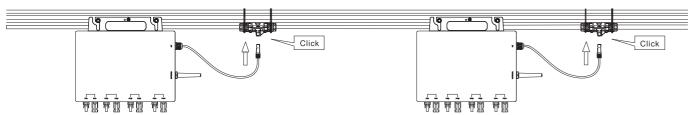
Verify that the grid voltage is matching with the Microinverter rating.

#### 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.

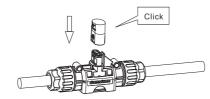
#### Step 4. Complete the AC Connection

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

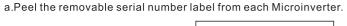


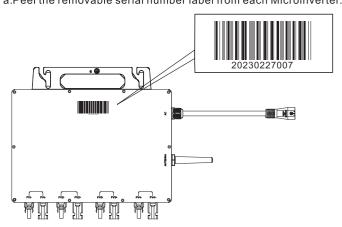
b. Connect the AC end cable to the distribution panel, and wire it to the local grid network.

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



### Step 5. Create an Installation Map



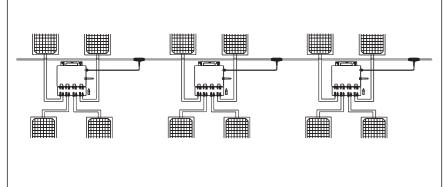


Please Make N for North			PV Array Type: Qtys			Owner:			Welink Serial Number:	
W Azimuth:			Microinverter Types Qty:			Installer:			Date of Installation: Sheet of	
tΝ	1	2	3	4	5	6	7	8	9	10
А										
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b. Stick the serial number label at the right location 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.

## Step 7. Energize the system

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

# Step 8. Set up the Monitoring System

Please refer to the ShineWeLink Quick Guide or WiFi Configuration Guide to set up the monitoring system.

## Step 9. Post-installation Checks

Post-installation Checklist								
No.	Check items							
1	DC	All DC connectors are connected to PV modules securely						
2	AC	The Microinverter AC output cable is properly connected to the trunk cable						
3		Unused Sub AC ports on the trunk cable are sealed with AC trunk port cap						
4		The AC trunk cable end is sealed with the end cap						
5		The ground wire is properly installed(optional)						
6	Installation map	The installation map is completed						
7	Monitor	The monitoring system is working properly						

# 9. Service and contact

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Manual







GR-UM-302-A-00

GROWATT Microinverter Installation Map  V1. 0										V1. 0
Please	e Make N for North		PV Array Type:			Owner:			Welink Serial Number:	
Azimuth:			Qty: Microinverter Type:			Installer:		Date of Installation:		
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