VM 600/700/800/900/1000WE-P2 Microinverter   Quick Installation Guide

VaySunic

hook

PV 2

PV 1 （The side with two hooks）

hook   hook

Tools： Allen key, wrench

Read manual first
To ensure reliability and warranty compliance, follow the installation instructions in this manual. You can access the current warranty conditions at www.vaysunic.com.

Single-Microinverter System (work with Plug and Play Cable)

Connect the Plug and Play Cable to the microinverter. Listen for a click as they engage.

Using Plug and Play Cable: VaySunic offers various cable lengths including 5m.
If you require a different length, contact VaySunic GmbH.
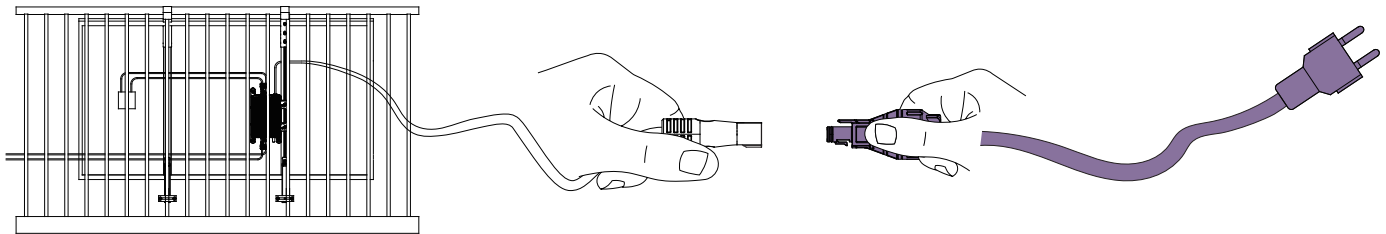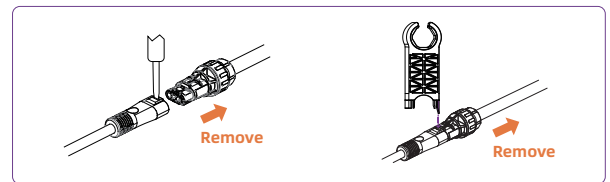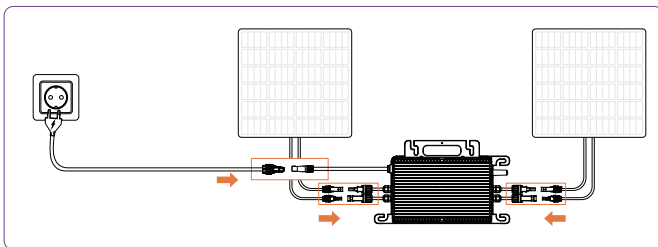

Install the Microinverter

Installation：

a. The installation and DC connection of the microinverter must be set under the PV module to avoid direct sunlight, rain exposure, snow accumulation, ultraviolet radiation and other conditions.
b. Leave a minimu m of 2 cm of space around the microinverter enclosure to ensure ventilation and heat dissipation.
c. The label side of the microinverter should be facing the panel.
d. Mounting the M8 screw, torque is 5 N·m. Do not over torque.
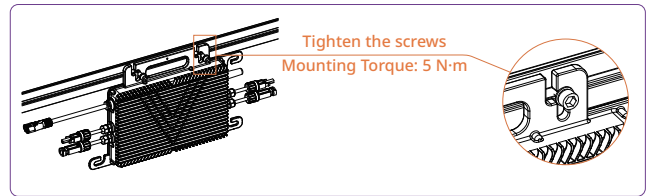
Tighten the screws
Mounting Torque: 5 N·m

Connect PV Modules

Connect the PV modules DC cables(MC4) to the DC input of the microinverter.

Remove

Remove

Notice: To remove the connectors or end cap, you must use the disconnect tool or screwdriver.

## AP Password Troubleshooting

For Microinverter System

If the WIFI password is entered incorrectly when connecting to the microinverter on the APP, and the microinverter cannot be found, the following methods can be used to reset it.
If you forget the microinverter's password after resetting it, you can restore the initial password using the following method.

1. Confirm normal grid connection status.
2. Disconnect grid voltage for 5-10s.
3. Reconnect grid voltage and wait for 5-10s.
4. Disconnect grid voltage for 5-10s.
5. Connect the plug and ensure stable grid voltage for at least 5s.

Multi-Microinverter System

In a multi-microinverter system, the main objective of AC side connections is to link the AC output lines of the microinverter systems.
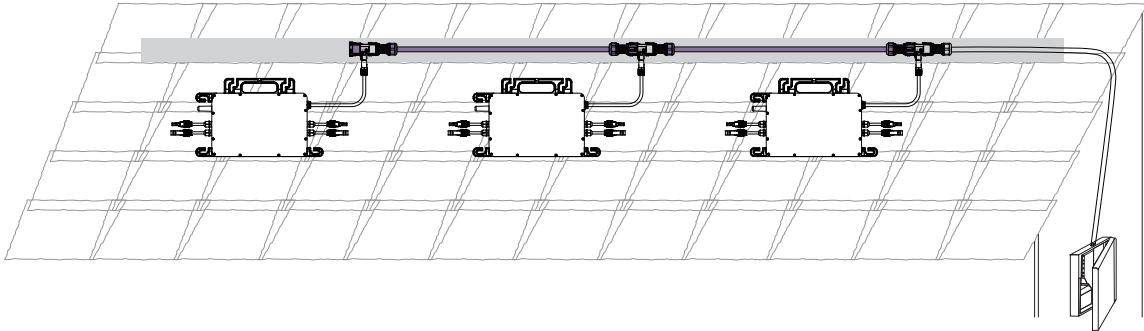
The AC output line consists of five main components: End Cap, Trunk Connector, Female Connector, Male Connector and Connection Cable.

This component channels power from the microinverter to the distribution box.

End Cap   Connection Cable   Trunk Connector   Female Connector   Male Connector

FM AC Cable

AC Extension Cable
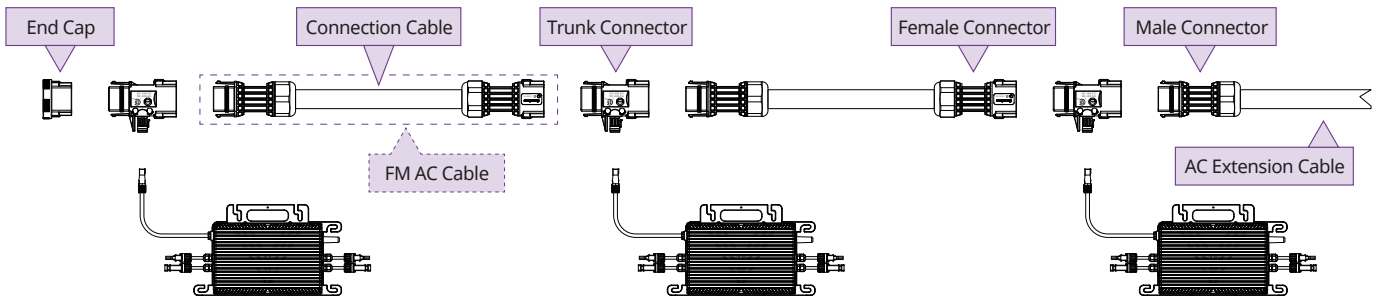
* Using Plug and Play Cable: VaySunic offers various **FM AC Cable** lengths including 2.2m.
  If you require a different length, contact VaySunic GmbH.

Step 1   Connect the Trunk Connector

Connect the Trunk Connector to the microinverter and listen for a click to ensure secure engagement.

①   ②   Click   ③
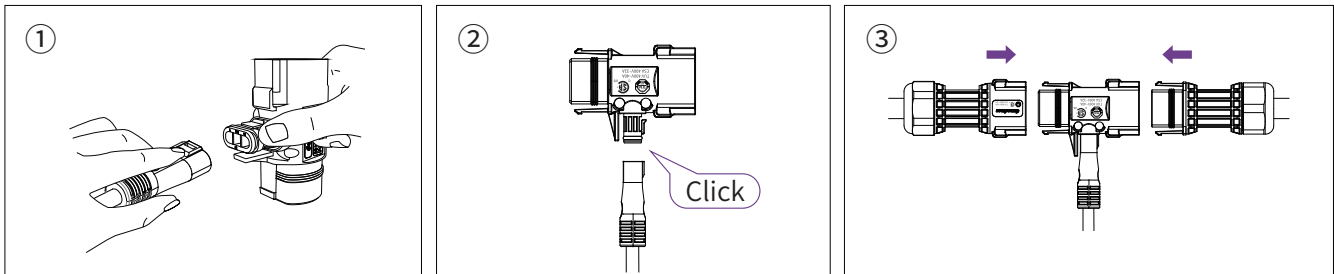
Step 2   Use the end cap

Cover the unused port on the trunk connector（located at the end of the AC Trunk）with a sealing end cap.
Listen for a click to confirm the end cap is securely engaged.

Click
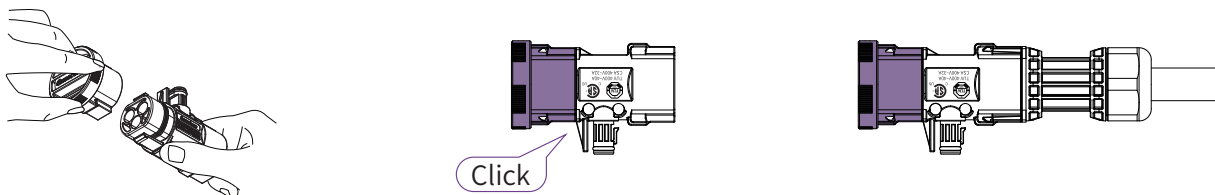
Step 3   Use the male connector

a. Strip off 24 mm of the outer jacket using a wire stripper. Then, strip the insulation with the wire stripper, exposing 7 mm of the conductor.

24mm   Sheath

7mm   Wire core

Terminal

N Black
L Red
⏚ Green&Yellow
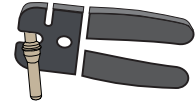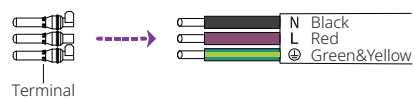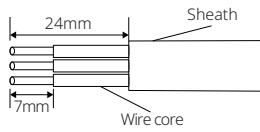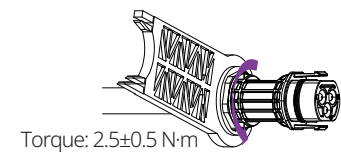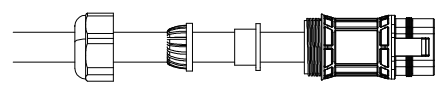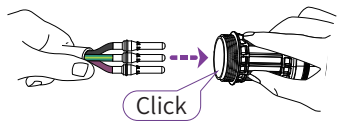
b. Insert the L, N, and PE wires into the connector body following the labeled instructions for proper alignment.

L Red

N black

⏚ Green&Yellow

L
⏚
N

Click

Torque: 2.5±0.5 N·m
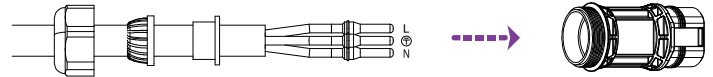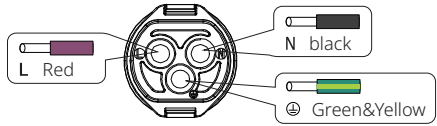
Step 4   Connect to the Distribution Box

Connect the other end of the AC End Cable to the distribution box.

N Black
L Red
⏚ Green&Yellow

Male Connector
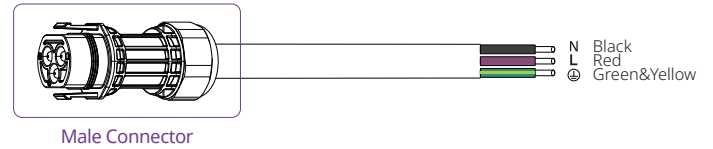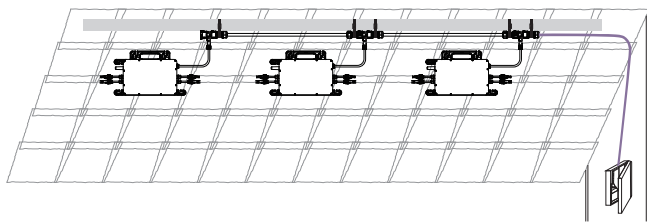
Create an Installation Map

Peel the removable serial number label from each microinverter.
Affix the serial number label to the respective location on the installation map***** (please refer to the appendix).
* Download: www.vaysunic.com

Connect PV Modules

Connect the PV modules DC cables(MC4) to the DC input of the microinverter.
Mount the PV modules above the microinverter.
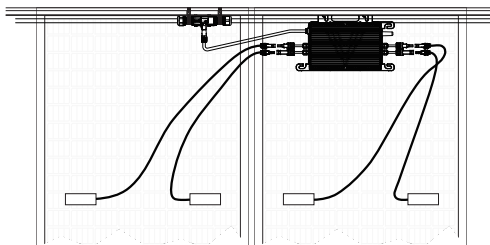
Note:
1.Make sure that the AC Trunk Connectors are kept away from any drainage channels.
2.In case you need to remove the microinverter AC cable from AC Trunk Connector,
   insert the AC Trunk Port Disconnect Tool into the side of AC Sub Connector to
   complete the removal.

WIFI Information

Frequency range: 2.412GHz-2.484MHz

Transmission power:	802.11b: 20.5dBm (@1Mbps)	802.11n: 19.0dBm (@HT20, MCS0)
	802.11b: 20.5dBm (@11Mbps)	802.11n: 17.5dBm (@HT20, MCS7)
	802.11g: 20.0dBm (@6Mbps)	802.11n: 18.5dBm (@HT40, MCS0)
	802.11g: 18.0dBm (@54Mbps)	802.11n: 17.0dBm (@HT40, MCS7)

DE45699414

①.

Please download the "**VaySunic Cloud**" from the App Store / Google Play .

<u>For the Sub-1G version of the microinverter, network configuration requires connecting to the SCG. Please refer to the SCG-G1 Quick Installation Guide to complete the setup.</u>

GET IT ON **Google Play**

App Store — Available on the iPhone

VaySunic Cloud

Scan QR code to get the APP

②.

* Must connect the PV modules DC cables to the DC input of the microinverter. Wait for one minute for the communication module to activate.

Power Station

There is no station yet
Click the button below to create a station

+ Create station

Power Station   My Profile

Improve power station data

geographical information

Power Station address   >

Basic Information

Power Station name   >

Power station time zone   >

Power station information

Installed capacity（kWp）   >

OK

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10°C   0%   0v   0A

0.0 kWh Battery Charging

0.0 kWh Produced   0.0 kWh Discharged

0.00 kWh   00% Energy Independence

0.0 kWh Imported   0.0 kWh Consumed   0.0 kWh Exported

+ Add a device

STATUS   ENERGY   ARRAY   MENU

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Add Gateway

Add Microinverter(SUB-1G)

Add Microinverter(WiFi)

Add Solar Hub

Cancel

Add a device

Scanning for nearby devices...

Place the phone as close to the target device as possible.

PCS_WIFI   VM_WIFI   SCG_G1

Add a device

Scanning for nearby devices...

Place the phone as close to the target device as possible.

Discover nearby devices

VM_WIFI001C

OK

Add a device

① Enter Wi-Fi Password

2.4G This device only supports 2.4G Wi-Fi connection and does not support 5G.
View router settings

WiFi-Password

WiFi-Name   Change

Please double check the password is entered correctly

Next

Add a device

Scanning for nearby devices...

Place the phone as close to the target device as possible.

Discover nearby devices

VM_WIFI001C ✓

OK

VaySunic

10°C   0%   0v   0A

0.0 kWh Battery Charging

0.0 kWh Produced   0.0 kWh Discharged

0.00 kWh   00% Energy Independence

0.0 kWh Imported   0.0 kWh Consumed   0.0 kWh Exported

Month Energy 00.00 kWh   Year Energy 00.00 kWh   Total Energy 00.00 kWh

STATUS   ENERGY   ARRAY

VaySunic

VM   VSH   ⚙

MI（ECDA3BDDDC00）   ⌄

PV1 Power: – kW

PV2 Power: – kW

Offline

AC Volt   AC Freq   Power   Temperature
– V   – Hz   – kW   – ℃

STATUS   ENERGY   ARRAY   MENU