Light	Status	Description
Red	Fast flashes (1s gap)	Error
	Fast flashes (2s gap)	AC error

4. System Commissioning

4.1 Installing the App

Method 1
Download the "HYXiPOWER APP" from the app store:

- App Store (IOS)
- Google Play

Method 2
Scan the QR code and download the APP :

App Download

4.2 APP Quick Guide

For more information on using the HYXiPOWER APP, please scan the QR code.

App Quick Guide

4.3 Network Configuration

Follow the instruction of the video or manual, you can get it through:
1. Visit our website: www.hyxipower.com
2. Scan the QR code to watch the guide video

Configuration Video

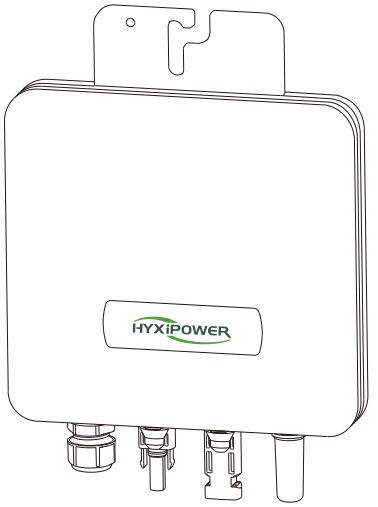
6.2.51.18.00005
QIEN-M500-SW-Ver1.0-202312

Product information is subject to change without notice.

QUICK
INSTALLATION
GUIDE

MICRO INVERTER

M300/400/500-SW



www.hyxipower.com

1. Installation Accessories

Image	Description
	T-junction cable
	M8*25 bolt (Self preparation)
	T-junction bus connector
	T-junction bus end plug
	T-junction removal tool
	T-junction branch line port protection cover

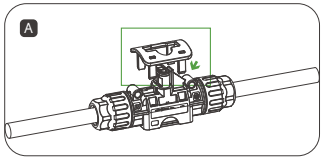
* **Note:**
There is no accessory package included with this product and all accessories must be purchased separately.

2. Installation Steps

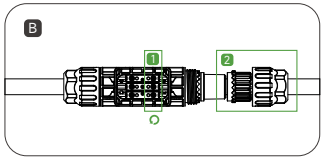
2.1 How to Make a T-Junction Bus

Step 1: Prepare several sections of T-junction connecting wires according to the number of microinverters to be installed on site.

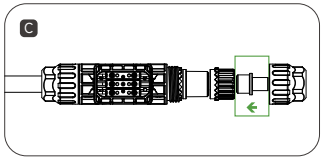
Step 2: Removing the T-junction cable at the end.



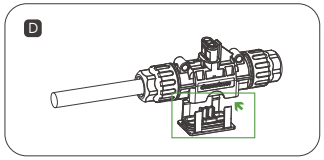
Use the T-junction removal tool to remove the lower cover.



Loosen the inner screw, unscrew the nut, and remove the cable.

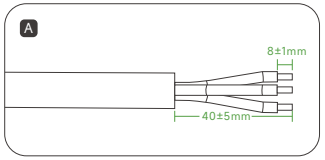


Install a T-junction bus end plug at the end of the T-junction.

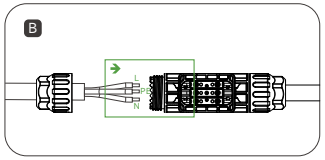


Insert the lower T-junction cover back into place and make sure it is secure.

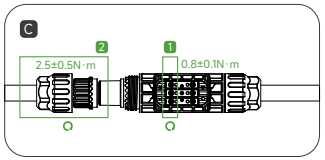
Step 3： T-junction and bus connection.



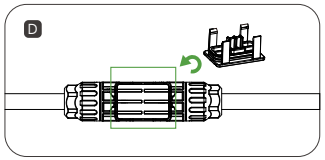
Prepare the AC cable by stripping the ends.



Insert the AC cable into the T-junction connector at the correct hole position.



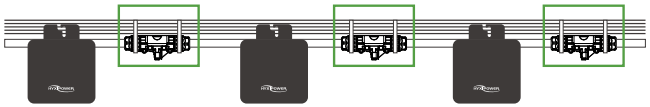
Tighten the screws, and then the nuts.



Insert the lower T-junction cover back into place, making sure it is secure.

Step 4: Secure the T-junction cable

Put the T-junction connecting wire on the guide rail and fix it with cable tie.



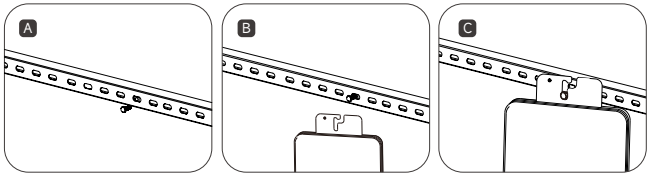
⚠ CAUTION

- Nut tightening torque: 2.5±0.5N·m, Screw tightening torque: 0.8±0.1N·m, do not tighten (the screw) to tightly, do not damage the sealing ring in the T-junction connector during assembly and disassembly.
- Do not contact T-junction bus connectors with water directly.
- Use a professional tool to uninstall the T-junction bus connector.

2.2 Microinverter Installation

Step 1: Mark the installation position of the microinverter on the bracket according to the layout of the photovoltaic modules.

Step 2: Fix the microinverter on the bracket with M8*25mm screw, then lock the screw. (*The inverter indicator panel should face the bracket).

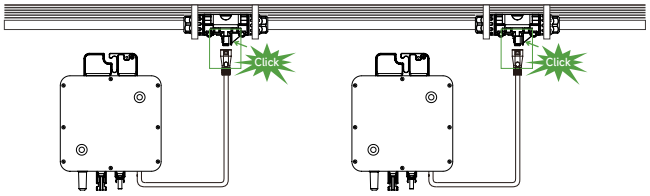


⚠ CAUTION

- Install the microinverter and all DC connections under the PV module to avoid direct sunlight, rain and snow, etc.
- Leave≥ 20mm space between microinverter and PV module for ventilation and heat dissipation.
- Screw tightening torque: 9N·m, do not over-tighten.
- Do not carry AC cables during transportation.

2.3 Connect Microinverter with T-junction

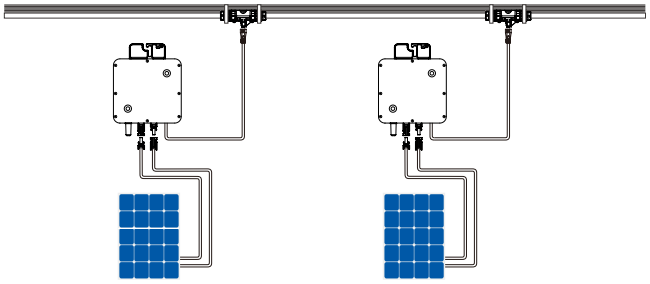
Insert the output AC feeder connector of the microinverter into the T-junction bus connector until hearing a "click" sound. Ensure that the installation is tight.



2.4 Connect PV Module

Step 1: Install the PV module above the microinverter.

Step 2: Connect the DC output cable of the PV module with the input side of the microinverter.

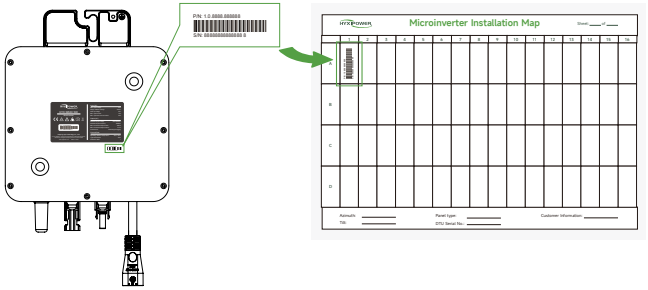


⚠ CAUTION

- Ensure that the output current and voltage of the PV modules are consistent with the inverter.
- Operating DC voltage range of the PV module must be within the input voltage range of the microinverter.
- The maximum VOC of the PV module shall not exceed the maximum input voltage of the microinverter.
- DC output power of PV module shall not exceed 1.5 times that of the AC output power of the microinverter.

2.5 Draw Installation Map

Tear off the serial number label of microinverter and affix serial number label on the corresponding position according to the installation map for quick identification during maintenance.



3. Operate and Power On

Step 1: Close the main grid circuit breaker.

Step 2: Close the AC circuit breaker of each microinverter branch, and the system will automatically generate power after about 2 minutes.

Step 3: Set up the monitoring system on Hyxi Cloud Platform.

3.1 Start Indicator

When the DC side of the microinverter is powered on the first time:

The green lights blinks briefly indicates startup success.

The red lights blinks briefly indicates startup failure.

3.2 Operating Indicator

Light	Status	Description
Green	Fast flashes (1s gap)	Normal
	Slow flashes (3s gap)	Communication error
	Slow flashes (5s gap)	PV input error
Red	Light on	Ground error