Quick Installation Guide
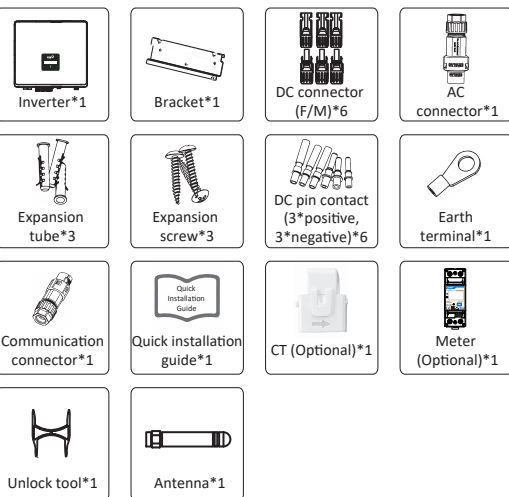
Models:

G7-VB   G9-VB   G10.5-VB
G7.5-VB G9.9-VB
G8-VB   G10-VB

7-10.5 kW Single Phase Inverter

1. Packing List

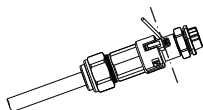|			
Inverter*1	Bracket*1	DC connector (F/M)*6	AC connector*1
Expansion tube*3	Expansion screw*3	DC pin contact (3*positive, 3*negative)*6	Earth terminal*1
Communication connector*1	Quick installation guide*1	CT (Optional)*1	Meter (Optional)*1
Unlock tool*1	Antenna*1		

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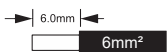· Push the threaded sleeve to connection terminal until both are locked tightly on the inverter.

· Remove the AC connector, press the bayonet out of the slot with a small screwdriver or the unlock tool and pull it out, or unscrew the threaded sleeve, then pull it out.
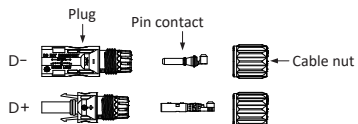
DC Wiring

· Turn off the DC switch.
· Choose 6mm² wire to connect the PV module.
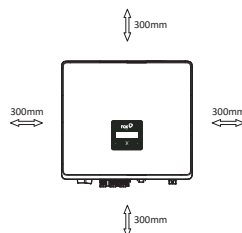· Trim 6mm of insulation from the wire end.

6.0mm

6mm²
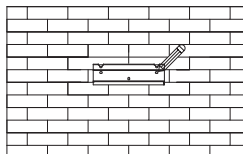
· Separate the DC connector as below.

Plug   Pin contact

D−

D+   Cable nut

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2. Inverter Installation

Please make sure the inverter will be installed with a proper distance as shown below.

300mm   300mm   300mm   300mm
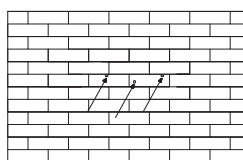
Position	Min Size
Left	300mm
Right	300mm
Top	300mm
Bottom	300mm
Front	300mm

Step 1: Fix the bracket on the wall

Choose the place you want to install the inverter. Place the bracket on the wall and mark the position of the 3 holes from bracket.
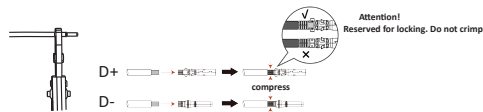
Drill holes with electric drill, make sure the holes are at least 50mm deep, and then tighten the expansion tubes.
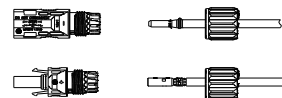
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· Insert striped cable into pin contact and ensure all conductor strands are captured in the pin contact.
· Crimp pin contact by using a crimping plier. Put the pin contact with striped cable into the corresponding crimping pliers and crimp the contact.

D+
D−   compress
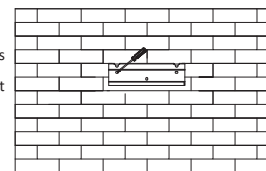
Attention!
Reserved for locking. Do not crimp.

· Insert pin contact through the cable nut to assemble into back of the male or female plug. When you feel or hear a "click" the pin contact assembly is seated correctly.

· Unlock the DC connector
 - Use the specified wrench tool.
 - When separating the DC + connector, push the tool down from the top.
 - When separating the DC - connector, push the tool down from the bottom.
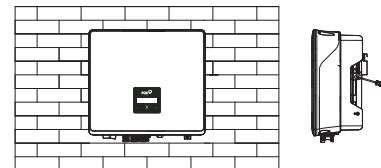 - Separate the connectors by hand.

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Insert the expansion tubes into the holes and tighten them. Install the bracket with the expansion screws.

Step 2: Match the inverter with wall bracket

Mount the inverter to the bracket. Secure the inverter with the M5 screw and washer.
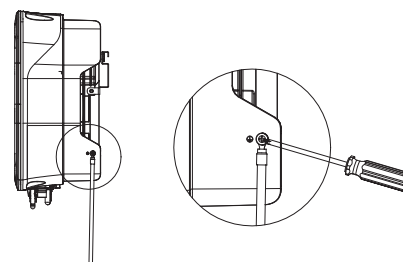
3. Wiring Steps

AC Wiring

· Cable dimensions

Model (kW)	7.0	7.5	8.0	9.0	9.9	10.0	10.5
Cable	10mm²	10mm²	10mm²	10mm²	10mm²	10mm²	10mm²
Micro-Breaker	50A	50A	50A	63A	63A	63A	63A

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Grounding Wiring

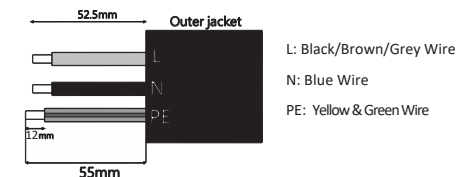Screw the ground screw with screwdriver as shown below.

4. Startup Procedure

1. After checking all connections are correct, turn on the external DC /AC breakers.
2. Turn the DC switch to "ON" position.
3. Inverter will start automatically when PV panels generate enough energy, the LED will be green.
4. Complete inverter Start-up guide
After the initial start-up the inverter, display will go to the language settings page, short press to switch language and long press to confirm selection. Once language set, display will guide to set the safety regulation. Short press to switch safety regulation, and long press to confirm selection.
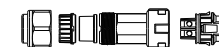
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· Trim all the wires to 52.5mm and the PE wire to 55mm.
· Use the crimping pliers to trim 12mm of insulation from all wire ends as shown in the picture.
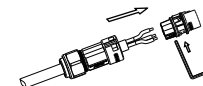
52.5mm
Outer jacket
L
N
PE
12mm
55mm

L: Black/Brown/Grey Wire
N: Blue Wire
PE: Yellow & Green Wire

Note: Please refer to local cable type and color for actual installation.
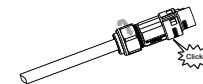
· Separate the AC plug into three parts as below.

a. Hold the middle part of the female insert, rotate the back shell to loosen it, and detach it from female inset.
b. Remove the cable nut (with rubber insert) from the back shell.

· Slide the cable nut, then the back shell onto the cable.

· Push the threaded sleeve into the socket, tighten up the cap on the terminal.

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Note:
· When starting the inverter for the first time, the country code will be set by default to the local settings. Please check if the country code is correct.
· Set the time on the inverter using the button or by using the APP.

This device has an integrated WiFi module inside. Please plug in the antenna before connecting to the network. After the inverter is powered on, you can start to connect to the network. Please scan the following QR code to get the detailed operation steps for network connection.

Please scan the QR Code and follow the steps below to download our latest multi-language User Manual/Quick Installation Guide:
Scan the QR Code → Select your Language → Choose to download User Manual or Quick Installation Guide → Download

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