



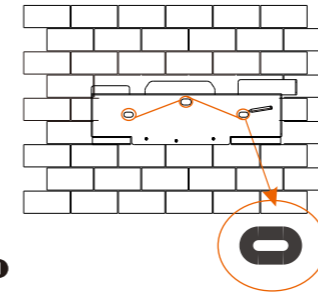
# Quick Installation Guide

## X3-PRO G2 Series 8 kW-30 kW

II

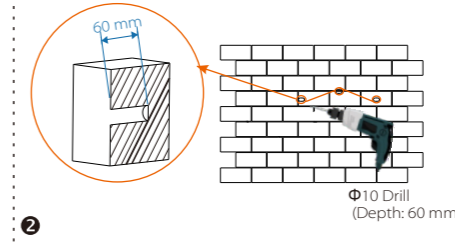
### Inverter Installation

- Mark the position of three holes.



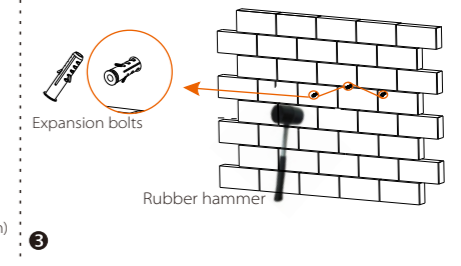
1

- Drill holes with  $\phi 10$  drill.  
- Depth: at least 60 mm.



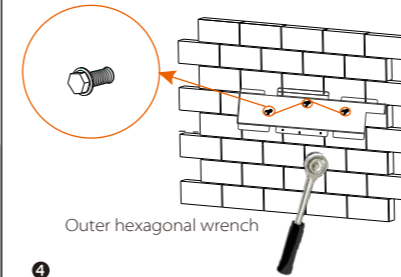
2

- Tighten the expansion bolts.



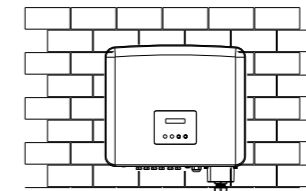
3

- Screw the self-tapping screws.



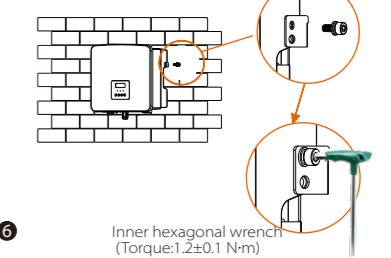
4

- Match the inverter with the bracket.



5

- Use the inner hexagonal wrench to tighten the inner hexagonal screw on the right side of the inverter.

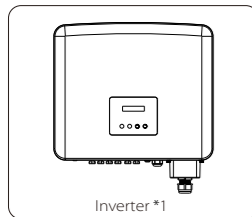


6

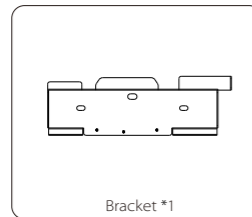
Inner hexagonal wrench  
(Torque:  $1.2 \pm 0.1$  N·m)

I

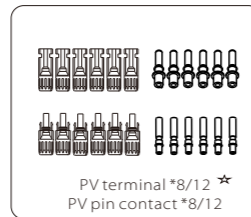
### Packing List



Inverter \*1



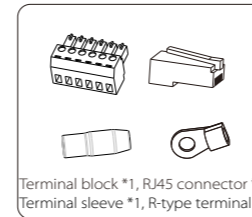
Bracket \*1



PV terminal \*8/12 \*  
PV pin contact \*8/12



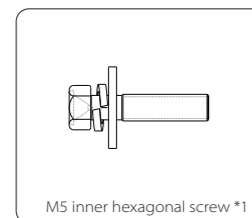
(Expansion bolt, Gasket,  
Self-tapping screw) \*3



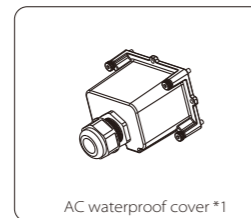
Terminal block \*1, RJ45 connector \*1  
Terminal sleeve \*1, R-type terminal \*1



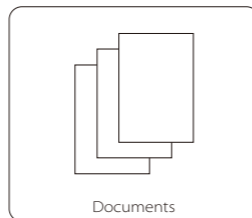
OT terminal \*5  
Terminal cover \*5



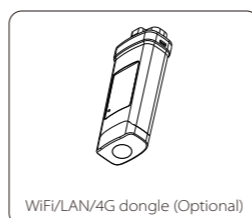
M5 inner hexagonal screw \*1



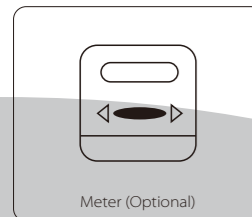
AC waterproof cover \*1



Documents



WiFi/LAN/4G dongle (Optional)



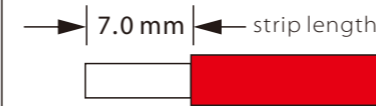
Meter (Optional)

\* For inverters with two inputs of MPPT, there are 4 positive and 4 negative PV terminals and PV pin contacts respectively. For inverters with three inputs of MPPT, there are 6 positive and 6 negative PV terminals and PV pin contacts respectively.  
\* For the optional accessories, please be subject to the actual delivery.  
**Note:** Please refer to the appropriate instruction manual for the usage of WiFi dongle and optional products.

III

### PV Connection

cable size:  $4 \text{ mm}^2$

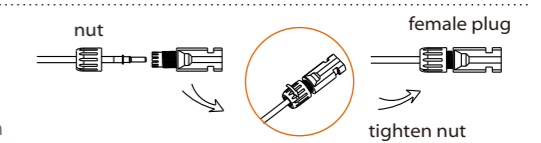
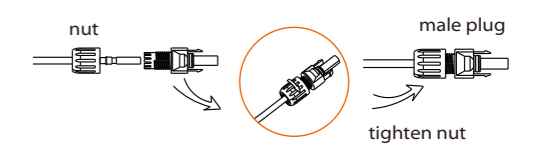
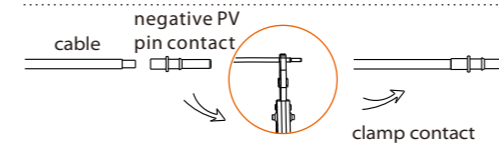
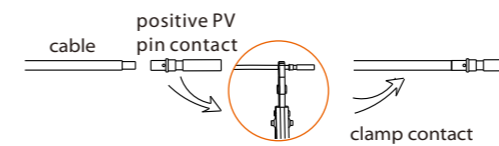
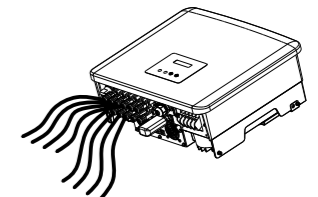


Tools:

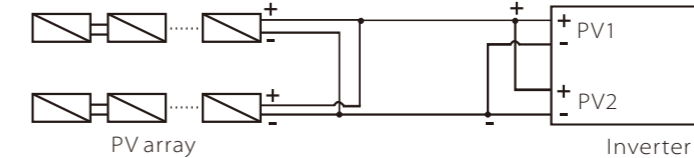


Stripping pliers  
Wire crimper  
Wire crimper recommended model:  
H4TC001  
manufacturer: Amphenol

- Align the PV connectors.



Torque:  $1.2 \pm 0.1$  N·m

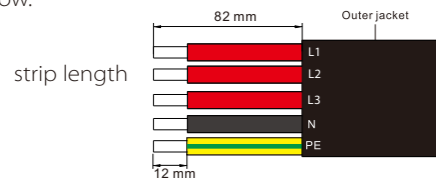


**Note!**  
The PV connection mode in this box  
is **not allowed!**

# IV

## AC Connection

Select appropriate cable according to the power range as recommended in "Table: Cable and Micro-breaker Recommended" of the manual and prepare to strip the wires as below.

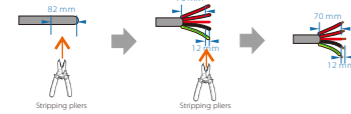


2. Unscrew the fastening nut of the AC waterproof cover and remove the sealing rings. Select appropriate number of the sealing rings according to the outer diameter of the cable. Let the cable pass through the fastening nut, the sealing ring(s) and the waterproof cover in sequence.

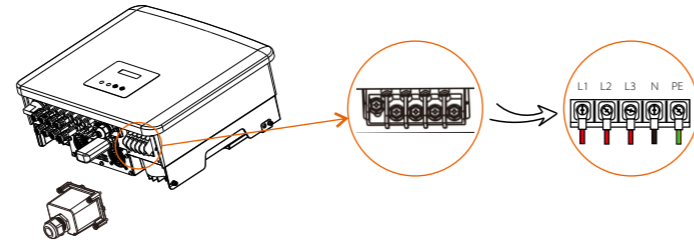
Diameter(mm)	Sealing ring(s)
12~18	a+b
18~25	a

3. Strip 82 mm of insulation from the cable ends by using the stripping pliers.

4. Crimp the cable ends by using the wire crimper.

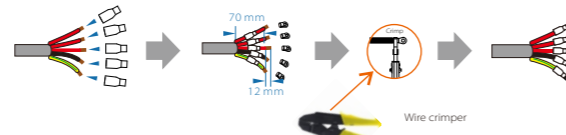


5. Pull one terminal cover each over conductors L1, L2, L3, N and the grounding conductor. The terminal cover must be below the stripped conductor section.



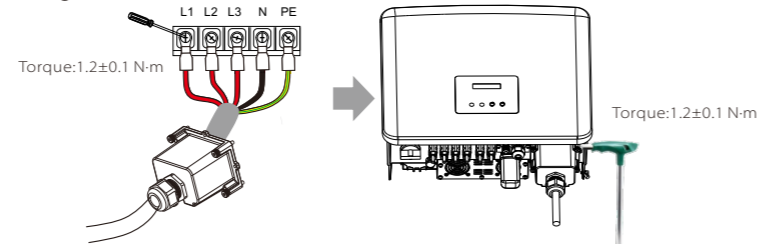
1. Fetch the AC waterproof cover from the carton.

6. Use the OT terminal crimping tool to press OT terminal.



7. Tighten the screws of the wire ends with a screwdriver.

8. Align the waterproof cover and tighten the four screws with an inner hexagonal wrench.

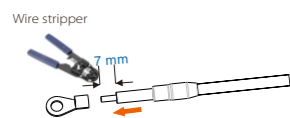


# V

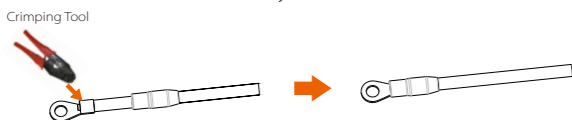
## Earth Connection and Overview

### • Earth Connection

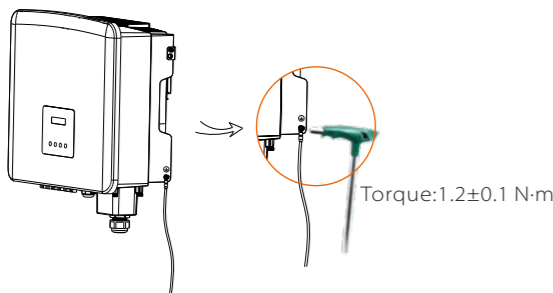
1. Find the terminal sleeve and the R-type terminal in the accessories. Prepare a grounding cable (4 mm<sup>2</sup>).
2. Strip 7 mm insulation layer from the end and pull the terminal sleeve over the cable.



3. Insert the stripped section into the R-type terminal and crimp it.
4. Pull the terminal sleeve over the crimped section of the R-type terminal and make sure it is firmly contacted with the terminal.

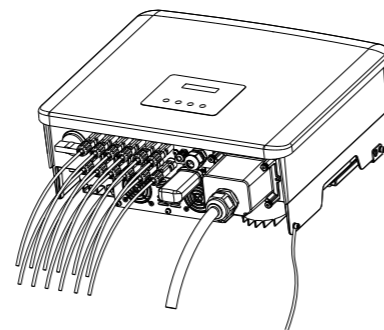


5. Tighten the ground screw with an inner hexagonal wrench as shown in the figure below.



### • Overview

- Overview for connection.



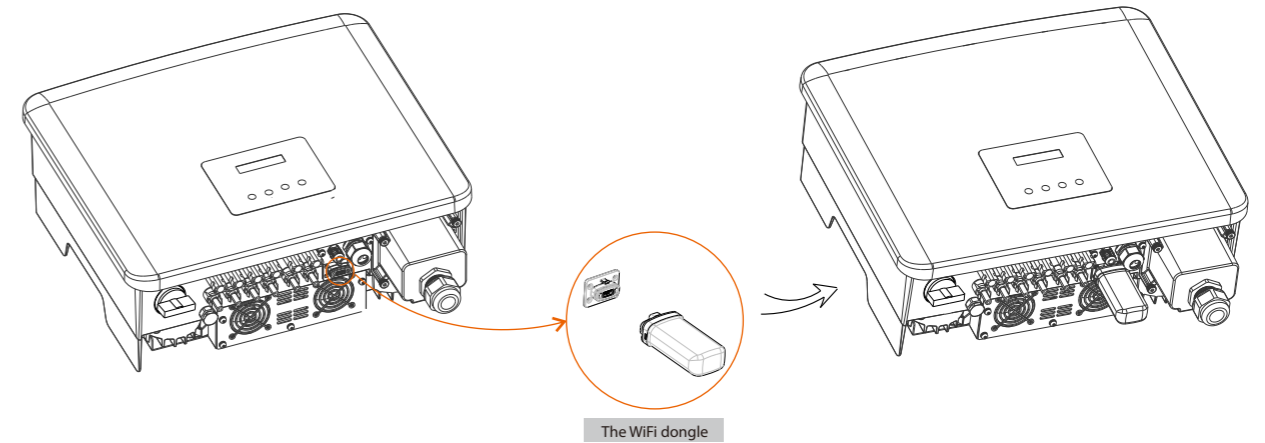
### Start inverter:

1. Turn on the external AC breaker;
2. Turn on the DC switch to the "ON" position;
3. Inverter will start automatically when PV panels generate enough energy, the LED will be blue.

# VI

## WiFi Connection (Optional)

- This inverter provides a monitoring dongle connecting port (the Dongle port) which can collect information from the inverter including status, performance and updating information to the monitoring website via connecting WiFi/LAN/4G dongle (The monitoring dongle is optional, which can be purchased from the supplier if needed).
- For example, insert the WiFi dongle into the port named "Dongle" on bottom of the inverter.



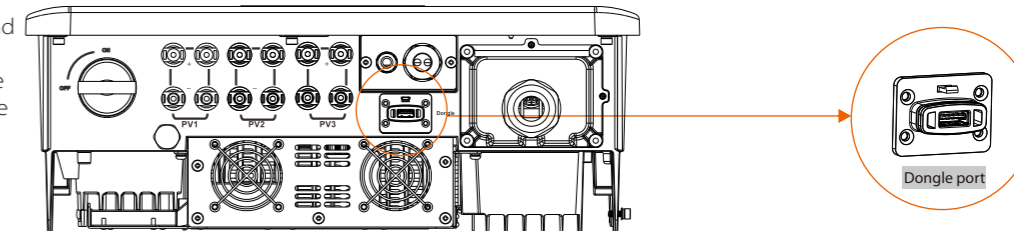
### Note:

For details on the usage of WiFi and other monitoring dongles, please refer to the corresponding instruction manuals.

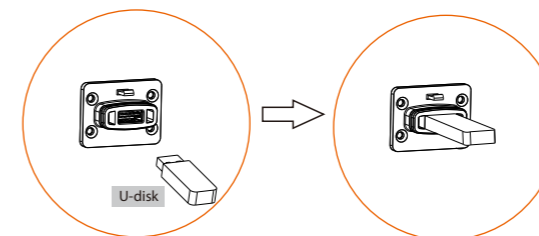
# VII

## USB Connection (for upgrading)

- 1) Make sure the DC switch is off and the AC is disconnected with grid. If the WiFi dongle is connected to the port, please remove the WiFi dongle at first.



- 2) Insert the U-disk into the Dongle port on the bottom of the inverter. Then turn on DC switch and connect the PV connector, the LCD will show a picture as below.



Update  
> ARM  
DSP

- 3) Press the "Up" and "Down" button to select ARM or DSP. Then long press "Down" and select the correct update file to confirm the update. ARM and DSP shall be updated one by one. After the upgrade is completed, please remember to turn off the DC switch or disconnect the PV connector, then pull off the U-disk, and connect the WiFi dongle back.

### Note:

Please contact our service support to get the update package, and extract it into your U-disk. Do not modify the program file name! Otherwise it may cause the inverter to stop working!