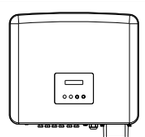
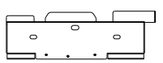
Quick Installation Guide

X3-PRO G2 Series 8 kW-30 kW

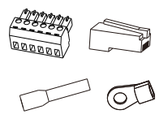
I Packing List

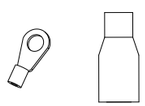

X3-PRO G2 series inverter *1

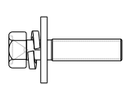

Bracket *1

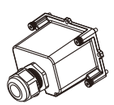

PV terminal *8/12 ☆
PV pin contact *8/12


(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


Product manual *1

Quick installation guide *1


Pocket WiFi/
LAN (Optional) /4G (Optional)

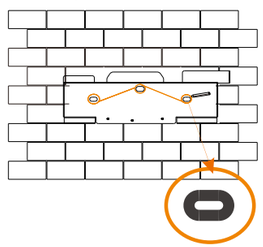

Meter (Optional)

☆For inverters with two strings of MPPT, there are 4 positive and 4 negative PV terminals and PV pin contacts respectively. For inverters with three strings of MPPT, there are 6 positive and 6 negative PV terminals and PV pin contacts respectively.

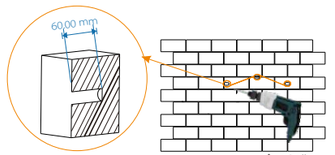
Note: Please refer to the appropriate instruction manual for the usage of Pocket WiFi and optional products.

II Inverter Installation

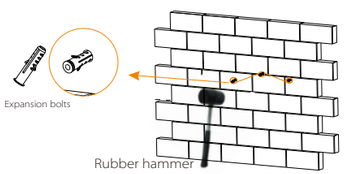
❶ - Mark the position of three holes.



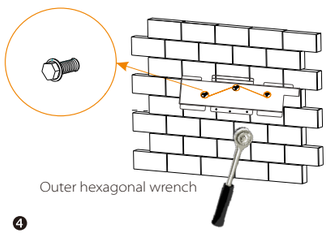
❷ - Drill holes with φ10 drill.
- Depth: at least 60 mm.



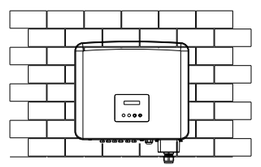
❸ - Tighten the expansion tubes.



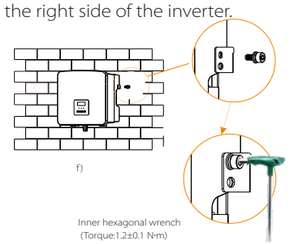
❹ - Screw the expansion screws.



❺ - Match the inverter with the bracket.

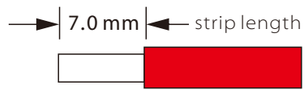


❻ - Use the inner hexagonal wrench to tighten the inner hexagonal screw on the right side of the inverter.

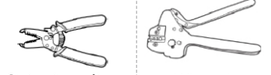


III PV Connection

cable size: 2.5-4 mm²

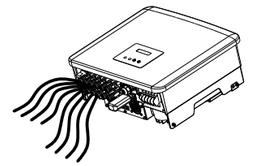


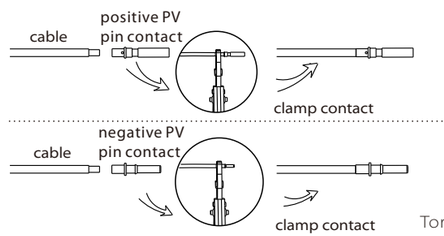
Tools:



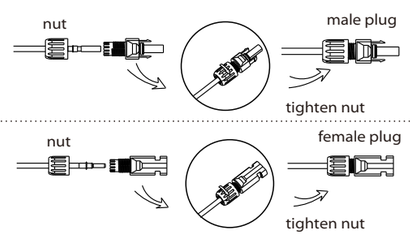
Wire crimper recommended model: H4TC0001
manufacturer: Amphenol

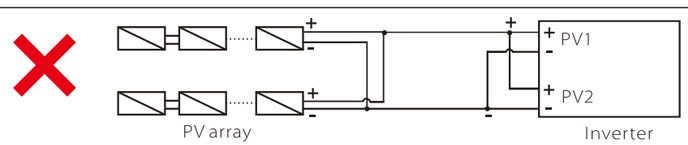
- Align the PV connectors.





Torque:1.2±0.1 N·m

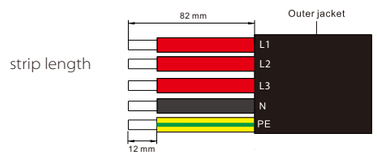


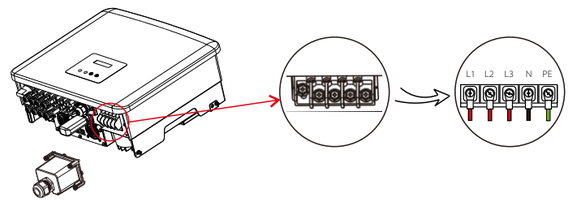


Note!
The PV connection mode in this box is **not allowed!**

IV AC Connection

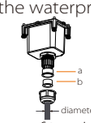
Select appropriate cable according to the power range as recommended on page 28 of the manual and prepare to strip the wires as below.





1. Fetch the AC waterproof cover from the carton.

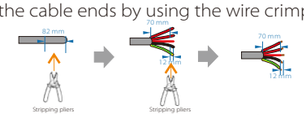
2.Unscrew the fastening nut of the AC waterproof cover and remove the sealing rings. Select appropriate number of the sealing rings according to the outer diameter of the cable. Let the cable pass through the fastening nut, the sealing ring(s) and the waterproof cover in sequence.



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.

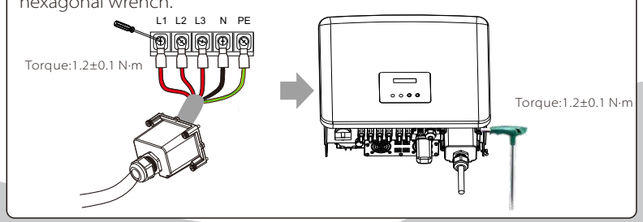


5. Pull one terminal cover each over conductors L1, L2, L3, N and the grounding conductor. The terminal cover must be below the stripped conductor section.

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

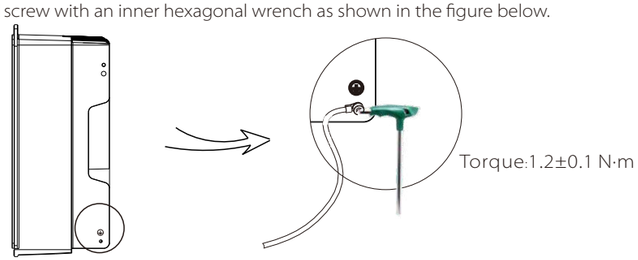
7. Tighten the screws of the wire ends with a screwdriver.

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

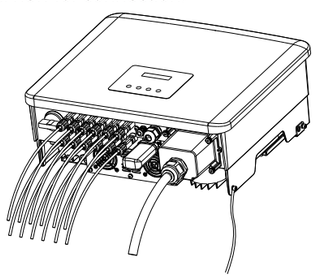


V Earth Connection and Overview

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



- Overview for connection.



Start inverter:

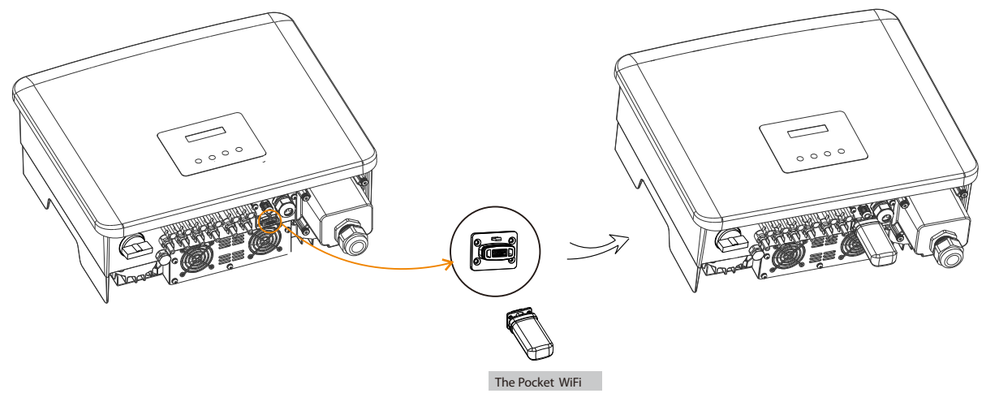
1. Turn on the external AC breaker;

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

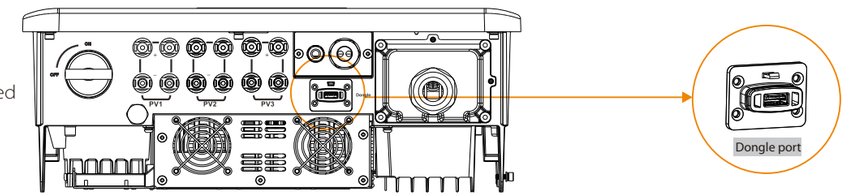
- This inverter provides a WiFi/LAN connecting port which can collect information from inverter including the status, performance and updating information to monitoring website via connecting Pocket WiFi (Pocket LAN can be purchased from the supplier for optional if needed).
- For example, insert the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



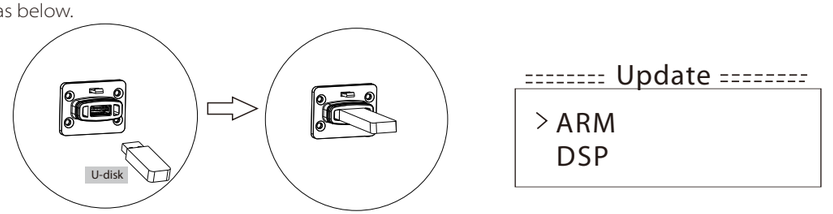
Note:
For details on the use of Pocket WiFi and other communication modules, please refer to the individually instruction manual of communication products.

VII USB Connection (for upgrading)

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



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 Pocket WiFi 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!