Manuals+ — User Manuals Simplified.

SOLAX POWER X3-MIC G2 Series Three-Phase String Inverter Installation Guide

Contents

SOLAX POWER X3-MIC G2 Series Three-Phase String Inverter
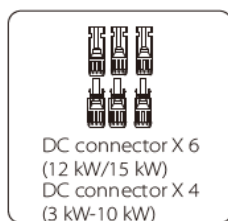
Packing List

X3 MIC G2
series inverter X 1

DC connector X 6
(12 kW/15 kW)
DC connector X 4
(3 kW-10 kW)

AC connector X 1

Round washer X 3

Expansion bolt X 3
self tapping screw X 3

DC pin contact
(3*positive, 3*negative)
Earth terminal X 1

Waterproof connector
with RJ45 X 1

Product manual X 1

Quick installation guide
X 1

Pocket WiFi

Pocket LAN (Optional)

Meter (Optional)
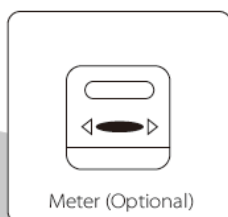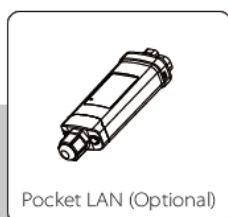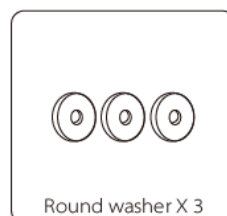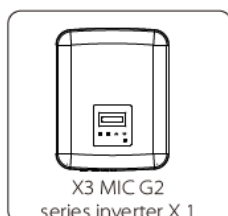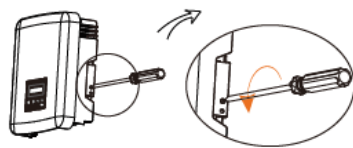
Note: Please refer to the appropriate instruction manual for the usage of Pocket WiFi and Pocket LAN.
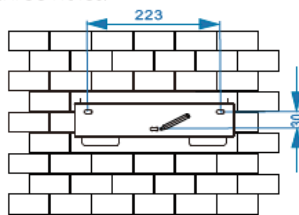
Inverter Installation

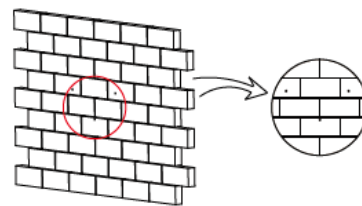- Unscrew the bracket from the back of the inverter.
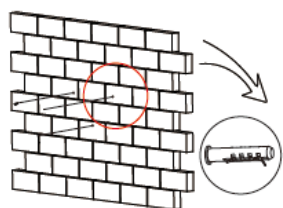
- And mark the position(223 mm*30 mm) of three holes.

223

30

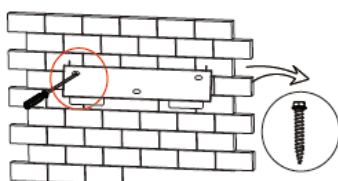- Drill holes with φ10 drill.
- Depth: at least 60 mm.
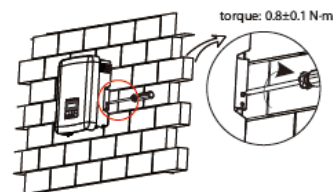
❶

❷

❸

- Insert the expansion bolts.

- Screw the self-tappingscrews.

- Match the inverter with the bracket.
- Screw the cross recessed screw on the right side.

torque: 0.8±0.1 N·m

❹

❺

❻

PV Connection

cable size: 2.5-4 mm²

strip length → 6.0 mm ←

- Align the PV connectors.

cable   positive DC
        pin contact

clamp contact

cable   negative DC
        pin contact

clamp contact

(torque:1.2±0.1 N·m)

nut   male plug

nut   female plug

tight nut

❌

+

+

+ PV1

+ PV2

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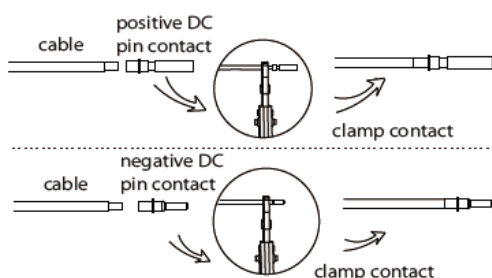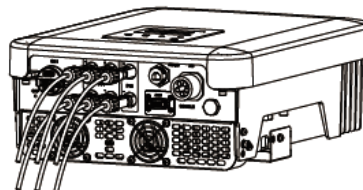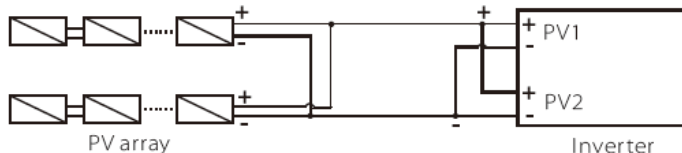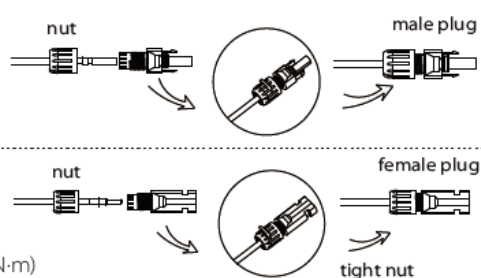
Note!
The PV connection mode in this box is **not allowed!**

AC Connection

Select appropriate cable according to the power range as recommended on page 21 of the manual and strip the wires as below.
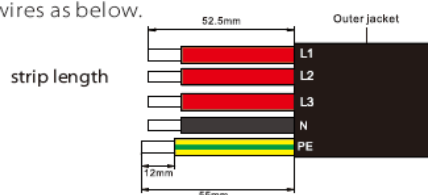
1. Slide the cable nut and back shell onto the cable.
2. Insert the stripped end of the five wires into the appropriate holes of the male insert (The N wire and PE wire must be connected correctly), then tighten each screw (Use the accompanying inner hexagon spanner).
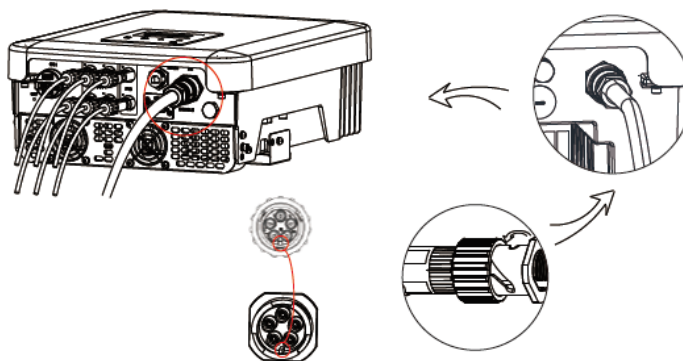
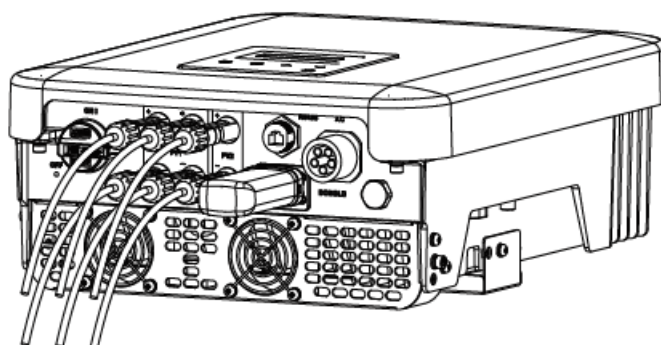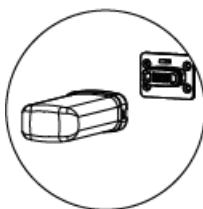3. Tighten the screw of the back shell and the male insert.

4. Tighten the screw of the back shell and the cable nut.

5. Align the groove of male terminal with the convex of female terminal, then tighten the bush in male terminal.

WiFi Connection

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

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

Earth Connection and Overview

– Screw the ground screw with the allen wrench shown as follows.

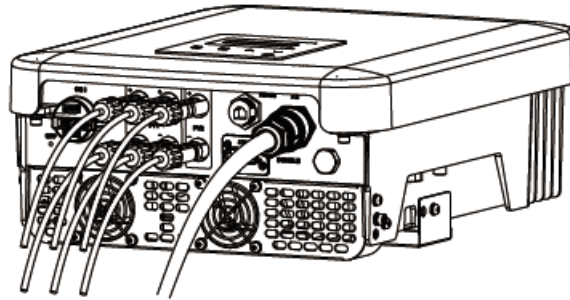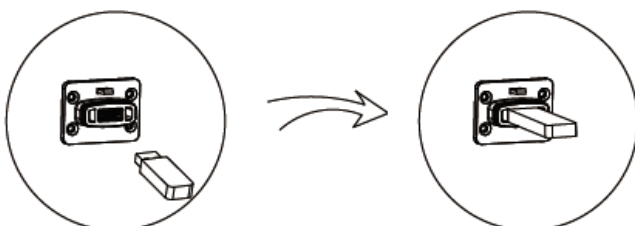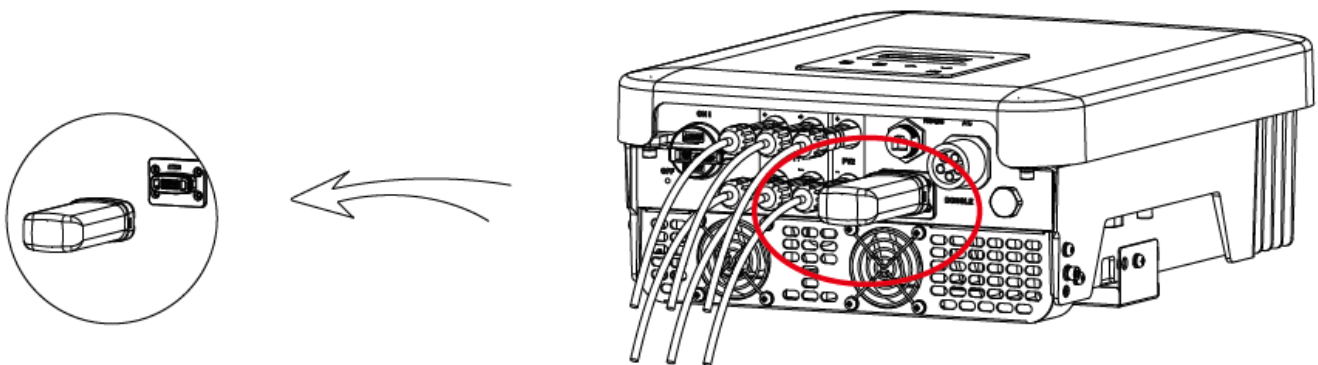torque: 1.2±0.1N·m
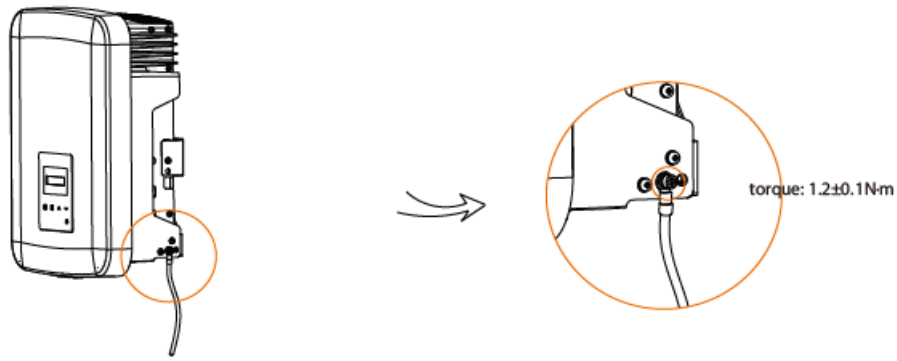
– Overview for connection.

Start inverter:

1. Turn on the external AC and DC connectors;
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.

USB Connection (for upgrading)

======== Update ========
> ARM
  DSP

1. Make sure the DC switch is off and the AC is disconnected with grid. Remove the Pocket WiFi module.
2. Insert U-disk with upgrade package* 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 on the right.
3. Press "Up" and "Down" to select ARM or DSP. Then long press "Down" and select the correct update file to confirm the update. 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.

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

Documents / Resources

SOLAX POWER X3-MIC G2 Series Three-Phase String Inverter [pdf] Installation Guide
X3-MIC G2 Series Three-Phase String Inverter, X3-MIC G2 Series, Three-Phase String Inverter