Quick Installation Guide

X1 Series 0.6KW-3.6KW
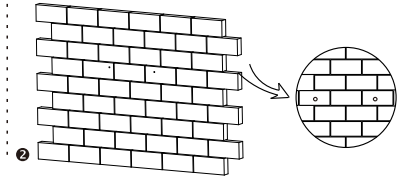
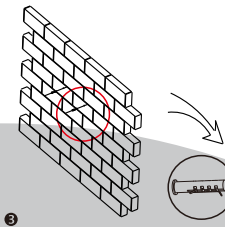**SolaX** POWER

II Inverter Installation

- Unscrew the bracket from the back of the inverter.
- Mark the position of the two holes.
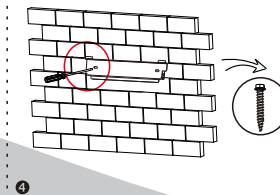
200mm

❶
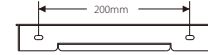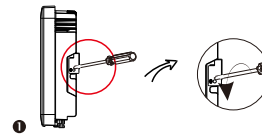
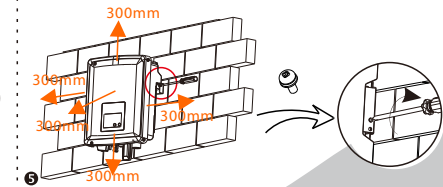- Drill holes with φ6 drill.
- Depth: at least 50mm.

❷

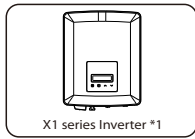- Tighten the expansion tubes.

❸

- Screw the expansion screws.

❹

- Match the inverter with the bracket.
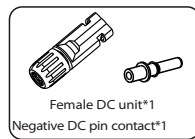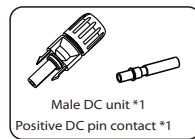- Screw the cross recessed screw on the right side.
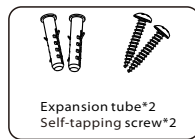
300mm
300mm
300mm
300mm
300mm

❺

I Packing Lists

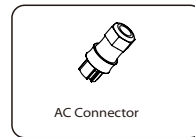X1 series Inverter *1

Female DC unit*1
Negative DC pin contact*1

Male DC unit *1
Positive DC pin contact *1

Expansion tube*2
Self-tapping screw*2

Earth terminal * 1

AC Connector
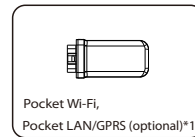
Pocket Wi-Fi,
Pocket LAN/GPRS (optional)*1

User manual * 1

Quick installation guide * 1

Bracket * 1

Note:
1) Please refer to the appropriate instruction manual for the usage of optional accessories.

III PV Connection

Cable size: 4~6 mm²

trip length:

7.0mm

-Align the two halves connectors.

positive DC
pin contact

male plug

negative DC
pin contact

cable

clamp contact

nut

female plug

tight nut

AC Connection

trip length

52.5mm

outer jacket

L
N
PE

6mm

55mm

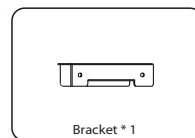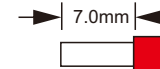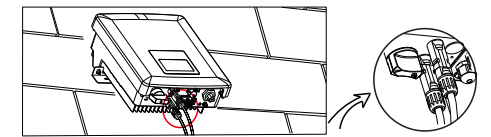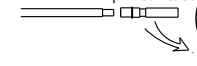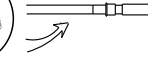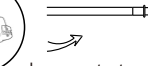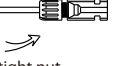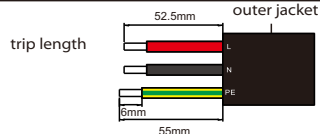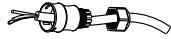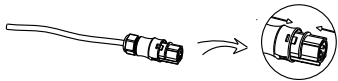| Model	X1-0.6/0.7/1.1/1.5	X1-2.0	X1-2.5/3K/3.3K	X1-3.6K
L,N cable(mm²)	2.5-6	2.5-6	2.5-6	4-6
PE cable(mm²)	2.5-6	2.5-6	2.5-6	2.5-6
Micro-breaker	10A	16A	20A	20A

1.Slide the cable nut and back shell onto the cable.

2.Insert the tripped end of each three wires into holes in the female insert, then tighten each screw with L-type wrench.
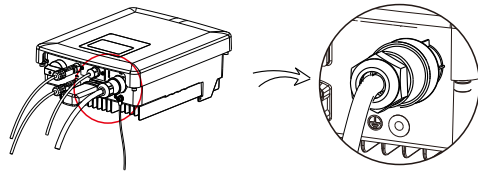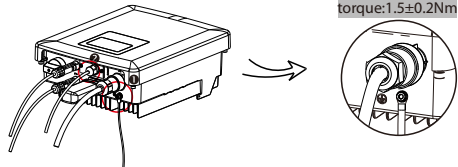
3.Screw down the threaded sleeve of the pressure screw.

4.Screw down the pressure screw.
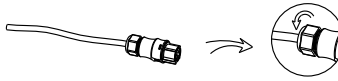
5.Connect the AC plug to the inverter, and screw down the pressure screw on the top part of AC terminal.

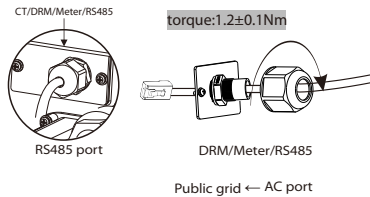## Firmware Upgrading

- Download the upgrade program into USB flash drive.
- Insert the USB flash drive with program into the "DONGLE" port on the bottom.

Connections and Overview

- Screw the ground screw with Φ4 hexagon wrench shown as follow.

torque:1.5±0.2Nm

CT/DRM/Meter/RS485

torque:1.2±0.1Nm

RS485 port

DRM/Meter/RS485

Public grid ← AC port

- Prepare the connector and the communication cable, following the PIN definition and assembly order bellow, then insert the cable into the corresponding RS485 portof the inverter, and tighten the waterproof connector.

1
8
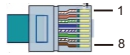
PIN	1	2	3	4	5	6	7	8
Definition	CT+	Com/DRM0	GND_COM	Meter_A/485_A	Meter_B/485_B	E_Stop	RefGen	CT-

CT
L line

arrow point to the public grid
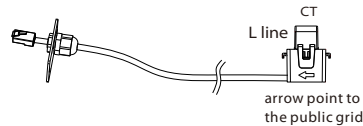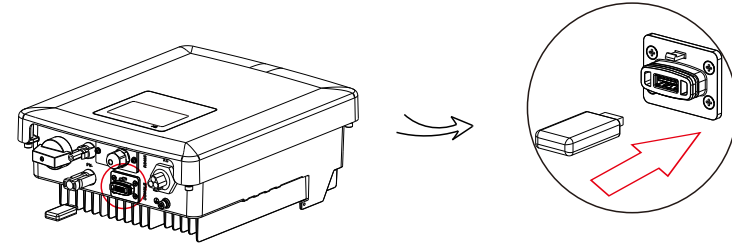
- Overview for connection.
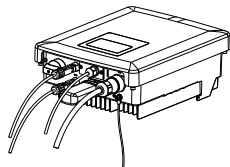
- After checking all connections are correct, turn on the external DC /AC breakers.

- Turn on the DC switch to the "ON" position.

- Inverter will start automatically when PV panels generate enough energy. The LED will be blue and the LCD screen will display the main interface.
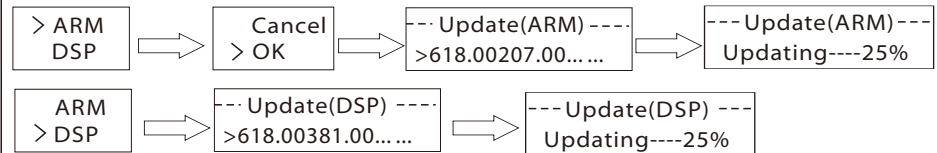
Firmware Upgrading

➢ For the inverter with LCD, user can refer to the following:

-Please contact Solax service to get the latest firmware. Then add a new folder named "Update" in the root directory on your U-disk, and two more sub-folders named "ARM" and "DSP" under "Update". Please copy the firmware files into ARM and DSP respectively. It will be like:
update\ARM\618.00207.00_X1_BOOST3.0_MINI2.0_AIR2.0_ARM_V1.21_20200826.usb;
"update\DSP\618.00381.00_X1_BOOST3.0_MINI2.0_AIR2.0_DSP_V2.03_20201117.usb
Press and hold the "Enter" key for 5 seconds to enter Off Mode. Then unscrew the waterproof lid and insert the U-disk into the "upgrade" port.

- When the user turns on all the switches, the LCD will show pictures as bellow.
And at the same time, the user can choose the program you need by short pressing "Λ" and "V" key , and then long press "V" to confirm and upgrade the inverter.

> ARM
  DSP

Cancel
> OK

--- Update(ARM) ----
>618.00207.00... ...

---Update(ARM)---
Updating----25%

ARM
> DSP

--- Update(DSP) ----
>618.00381.00... ...

---Update(DSP) ---
Updating----25%

– After the upgrade is complete, please pull off the USB flash drive, and then screw the panel of DONGLE port.

* Please contact our service support to get the update package, and extract it into your USB flash drive.
Please **DO NOT** modify the program file name! Otherwise it may cause the inverter not work anymore !