



# Quick Installation Guide

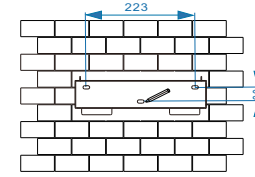
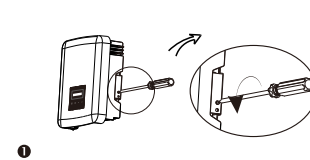
X1 Series 3.0KW-6.0KW

## II

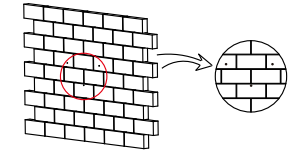
## Inverter Installation

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

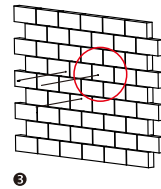
PH1 cross screwdriver, torque:  $0.8 \pm 0.1$  N·m



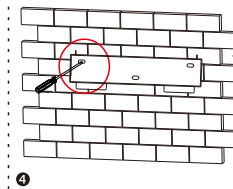
- Drill holes with  $\phi 10$  drill.
- Depth: at least 60 mm.



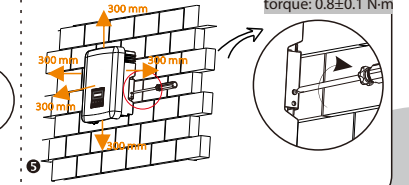
- Tighten the expansion bolts.



- Screw the expansion screws.

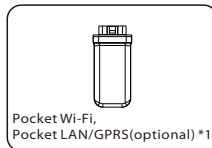
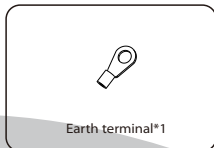
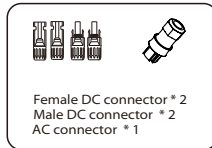
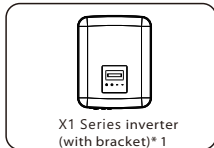


- Match the inverter with the bracket.
- Screw the cross recessed screw on the right side.
- make sure available space



## I

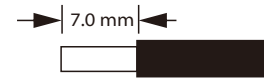
## Packing Lists



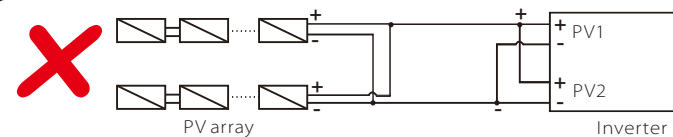
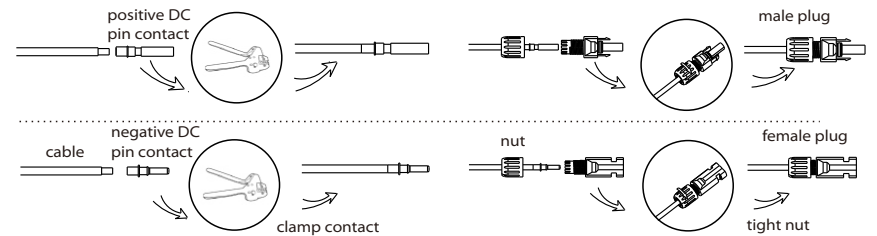
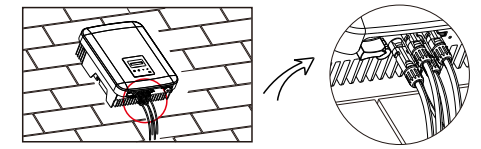
## III

## PV Connection

Cable size: 4 mm<sup>2</sup>  
strip length:



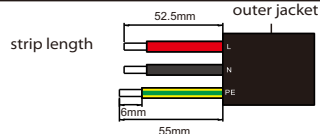
-Align the four halves connectors.



Note!  
The PV connection mode as the diagram shown is not allowed!

# IV

## AC Connection

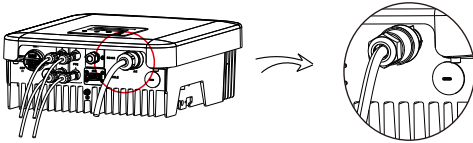


1. Slide the cable nut and back shell onto the cable.
2. Insert the stripped end of each three wires into holes in the female insert, then tighten each screw.

Ph1 cross screwdriver; torque:  $0.5 \pm 0.1$  N·m



5. Connect the AC plug to the inverter.

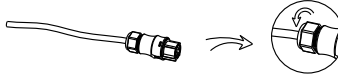


Model	X1-3.0/3.3/3.6K	X1-4.2/4.6K	X1-5.0/5.5/6K
L,N cable(mm <sup>2</sup> )	4-6	5-6	5-6
PE cable(mm <sup>2</sup> )	2.5-6	2.5-6	2.5-6
Micro-breaker	20A	25A	32A

3. Screw down the threaded sleeve of the pressure screw.



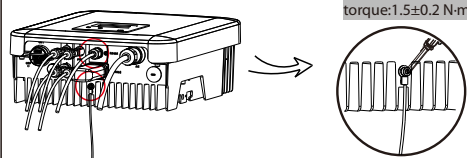
4. Screw down the pressure screw.



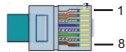
# V

## Connections and Overview

- Screw the ground screw with  $\Phi 4$  hexagon wrench shown as follow.

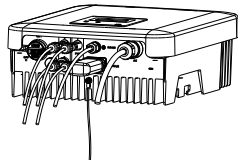


- Prepare the RJ45 connector and the communication cable, following the PIN definition and assembly order below, then insert the RJ45 connector into the corresponding RS485 port of the inverter, and tighten the waterproof connector.



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-

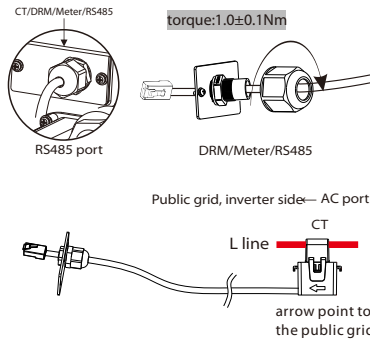
- Overview for connection.



- After checking all connections are correct, turn on the external DC /AC breakers.

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

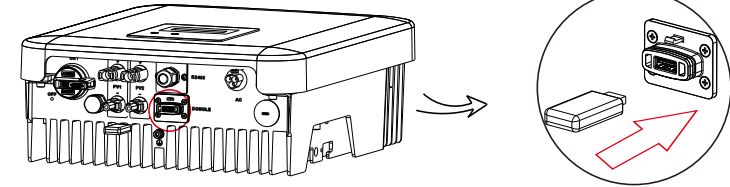
- Inverter will start automatically when PV panels generate enough energy. The LED will be blue and the LCD screen will display the main interface.



# VI

## Firmware Upgrading

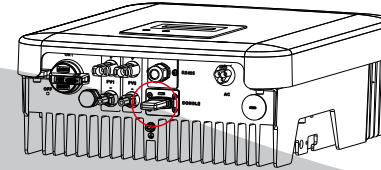
- 1) Make sure the DC switch is off and the AC is disconnected with grid. User can update the inverter system through the U-disk.



- 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\_V1.10\_20190828.usb";  
 "Update\DSP\618.00381.00\_X1\_BOOST3.0\_MINI2.0\_AIR2.0\_DSP\_V1.09\_20190613.usb".

- 2) Press and hold the "v" key for 5 seconds to enter Off Mode. Then insert the U-disk into the "DONGLE" port.

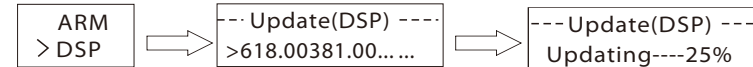


# VII

## Firmware Upgrading

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

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



- 4) After the upgrade is complete, please remember to turn off the DC switch and AC switch, then pull off the U-disk.

- \* Please contact our service support to get the latest firmware, and unzip it into your U-disk by following the steps above. Do not modify the firmware file name! Otherwise it may cause damage to the inverter!