



Quick Installation Guide

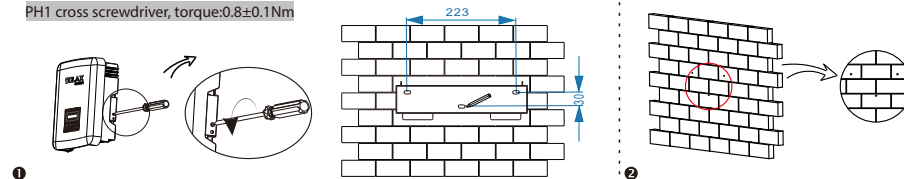
X1 Series 3.0KW-5.98KW

II

Inverter Installation

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

PH1 cross screwdriver, torque:0.8±0.1Nm



- Drill holes with $\phi 10$ drill.
- Depth: at least 50mm.

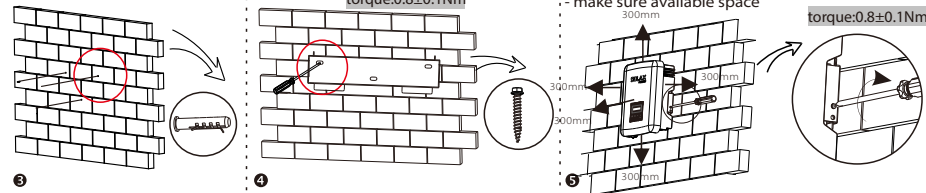
- Tighten the expansion tubes.

- Screw the expansion screws.

torque:0.8±0.1Nm

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

torque:0.8±0.1Nm



I

Packing Lists



X1 Series × 1



Female DC connector × 2
Male DC connector × 2
AC connector × 1



Screw package:
Expansion tube × 3
Expansion screw × 3



Positive DC pin contact × 2
Negative DC pin contact × 2



User manual × 1



Quick installation guide × 1



Warranty card × 1



Earth terminal × 1

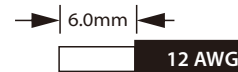


Pocket WiFi × 1 (Optional)

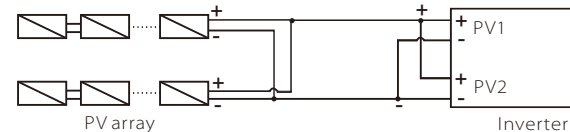
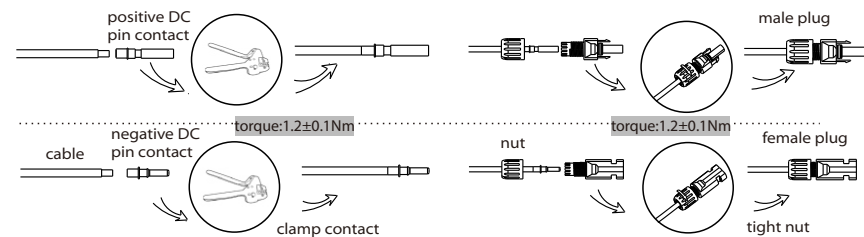
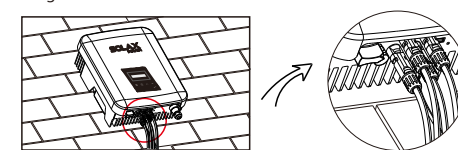
III

PV Connection

Cable size: 12 AWG
trip length:



- Align the four halves connectors.

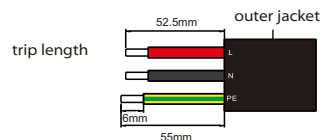


Note!
The PV connection mode as the diagram shown is **not allowed!**

IV

AC Connection

Cable size: 10 AWG

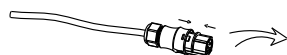


1. Slide the cable nut and back shell onto the cable.

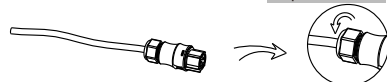
2. Insert the tripped end of each three wires into holes in the female insert, then tighten each screw.

PH1 cross screwdriver; torque: $0.8 \pm 0.1 \text{ Nm}$ 

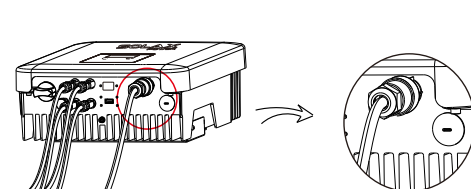
3. Screw down the threaded sleeve with pressure screw.



4. Screw down the pressure screw.

torque: $3.0 \pm 0.3 \text{ Nm}$ 

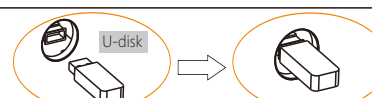
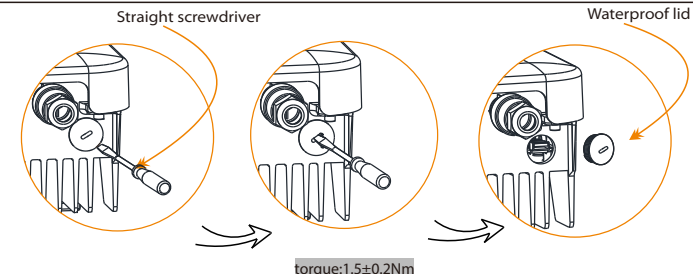
5. Connect the AC plug to the inverter.



VI

Firmware Upgrading

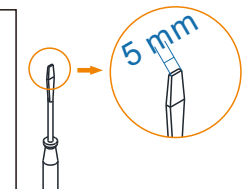
1) Make sure the DC switch is off and the AC is disconnected with grid. Unscrew the waterproof lid of Upgrade port by straight screwdriver as the picture shows.



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:

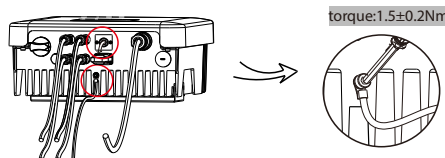
"update\ARM\618.00207.00_X1_BOOST3.0_MINI2.0_AIR2.0_ARM_V1.10_20190828.usb;
"update\DSP\618.00205.00_X1_BOOST3.0_MINI2.0_AIR2.0_DSP_V1.09_20190613.usb

2) 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.



V

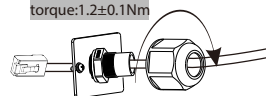
Connections and Overview

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

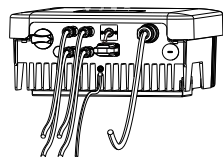
- Prepare the connector and the communication cable, following the PIN definition and assembly order below, then insert the cable into the corresponding 485 port of the inverter, and tighten the waterproof connector.

torque: $1.2 \pm 0.1 \text{ Nm}$

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



- 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.

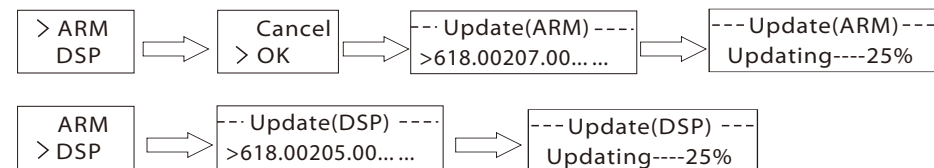
- Inverter will start automatically when PV panels generate enough energy. The LED will be blue and the LCD screen will display the main interface.

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 or disconnect the PV connector, then pull off the U-disk, screw the waterproof lid.

* 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 not work anymore!