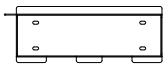
Quick Installation Guide

X1-Smart Series 6.0 kW-8.0 kW

I Packing List


X1-Smart Series X 1


Bracket X 1


Male DC connector X 3
Female DC connector X 3
Positive DC pin contact X 3
Negative DC pin contact X 3


Expansion bolt X 4
Self-tapping screw X 4


Round washer X 4


AC connector X 1
Earth terminal X 1


User manual X 1


Quick installation guide X1


Safety Instructions X 1

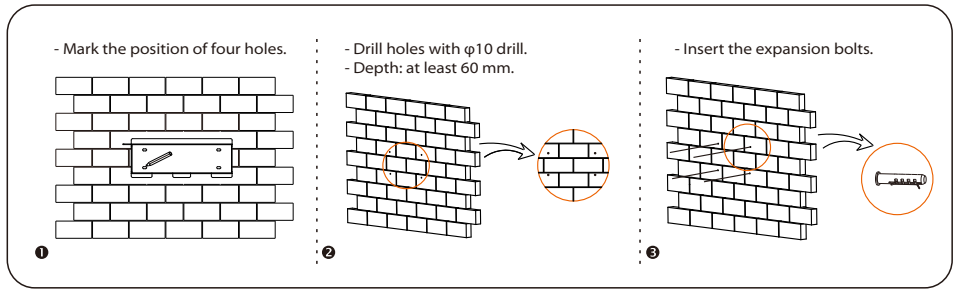

RJ45 Plug X 1

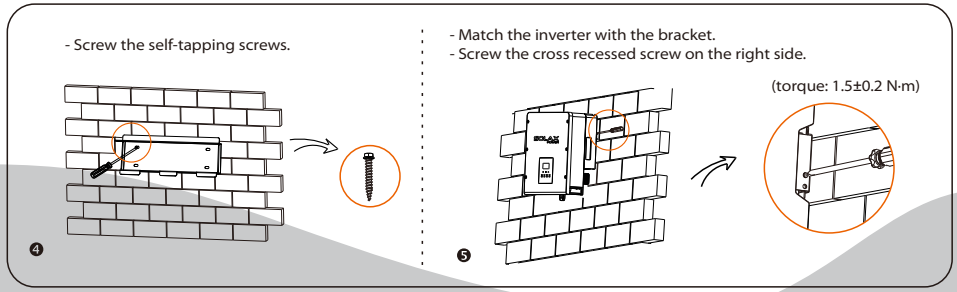

Pocket WiFi X 1 (Optional)


Meter (Optional)

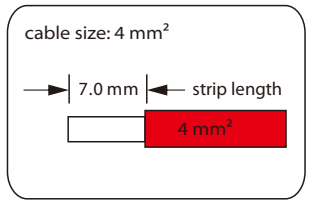
Note:
For the optional accessories, please be subject to the actual delivery.
Please refer to the appropriate instruction manual for the usage of optional accessories.

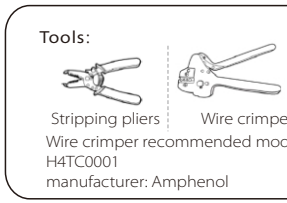
II Inverter Installation

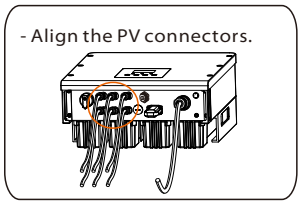


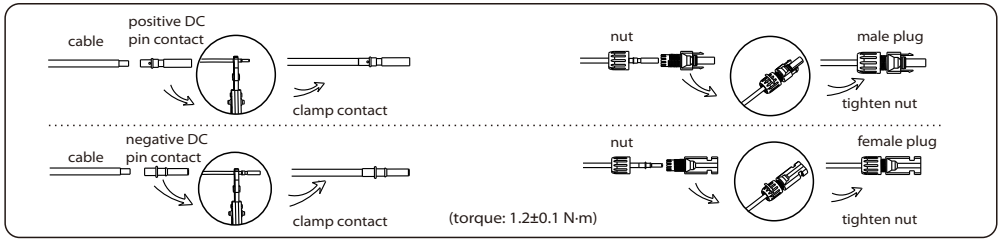


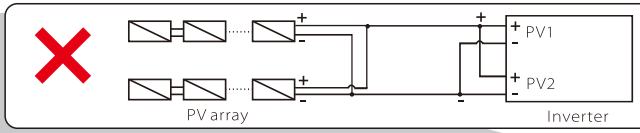
III PV Connection







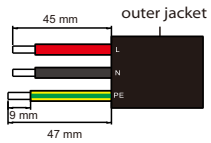




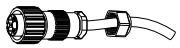
Note!
The PV connection mode in this box is **not allowed!**

IV AC Connection

Cable size: 8 mm²



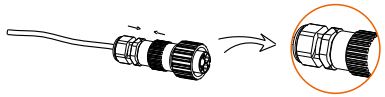
1. Slide the cable nut and back shell onto the cable.



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

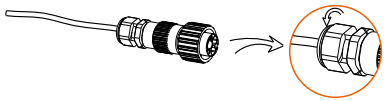
(hexagon wrench. torque: 0.8±0.1 N·m)

3. Tighten the threaded sleeve.

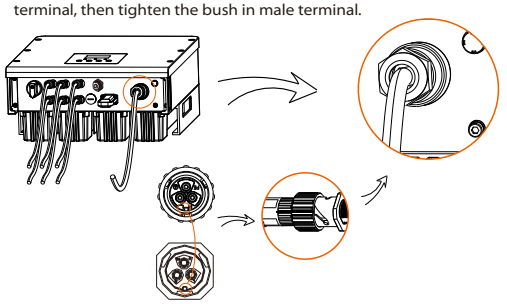


4. Tighten the pressure screw.

(torque: 3.0±0.3 N·m)



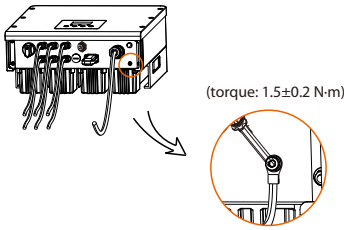
5. Align the groove of male terminal with the convex of female terminal, then tighten the bush in male terminal.



V Connections and Overview

▶ Earth Connection

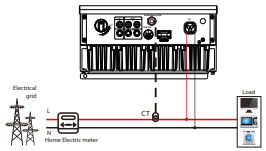
- Screw the ground screw with 4 mm inner hexagonal wrench shown as follows.



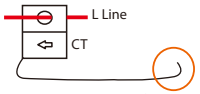
(torque: 1.5±0.2 N·m)

▶ CT Connection

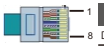
- Diagram:



Important notice: The arrow on the CT must point to the public grid side.

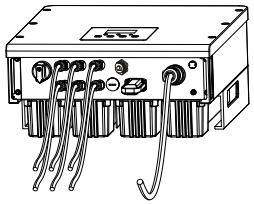


- CT PIN Definition:



PIN	1	2	3	4	5	6	7	8
Definition	CT+	X	X	X	X	X	X	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 green and the LCD screen will display the main interface.

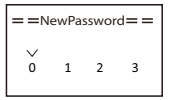
VI Basic Parameters Setting

Control Panel

Symbol	Name	Description
⮌	ESC	Return from current interface or function.
∧	Up	Move cursor to upside or increase value.
∨	Down	Move cursor to downside or decrease value.
↵	OK	Confirm the selection.

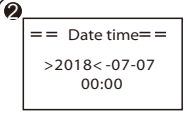
Start Guide

❶



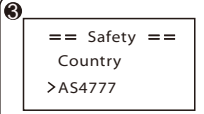
- Set the New Password you want.

❷



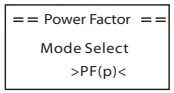
- Set date and time based on the local time.

❸



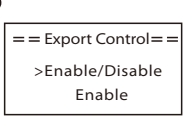
- The user can set the safety standard here according to different countries and grid tied standards.

❹



- Set this parameter based on local grid policy. (For specific country if required by local grid.)

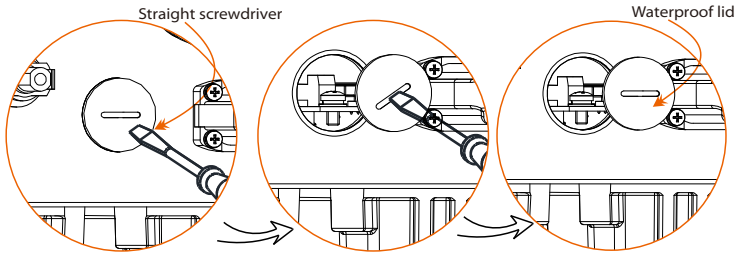
❺



- With this function the inverter can control energy exported to the grid. Whether having this function is based on user's wishes.
- Choose "Enable" in "Enable/Disable" means user must install a meter to monitor energy exported to the grid.
- The function can be shut off by choosing "Disable" mode.

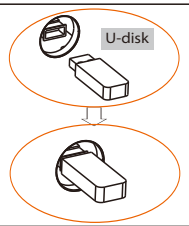
Firmware Upgrading

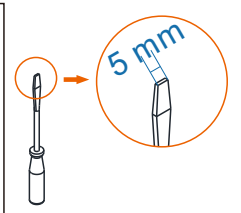
1) Make sure the DC switch is off and the AC is disconnected with grid. Unscrew the waterproof lid of Upgrade port by straight screwdriver as the picture shows.



(torque: 1.5±0.2 N·m)

2) Insert U-disk with **upgrade package*** into the Upgrade port on the bottom of the inverter. Then turn on DC switch or connect the PV connector, the LCD will show a picture as on the right.





3) Press "OK" to confirm to 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, 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 to stop working!