



# Quick Installation Guide

## X3 Series 8KW-15KW

I

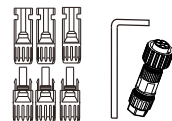
### Packing List



X3 series inverter X 1



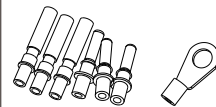
Bracket X 1



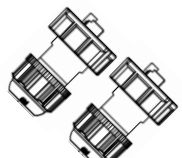
DC connector X 6  
AC connector X 1  
Spanner X 1



Expansion bolt



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



Waterproof connector  
with RJ45 X 2



Product manual X 1



Warranty card X 1



Quick installation guide  
X 1



Pocket Lan( Optional )



Pocket WiFi( Optional )



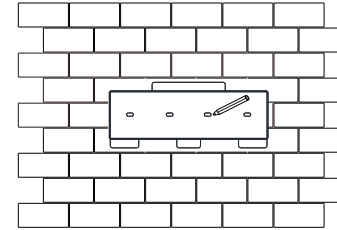
Meter( Optional )

Note: Please refer to the appropriate instruction manual for the usage of Pocket WIFI and Pocket LAN

II

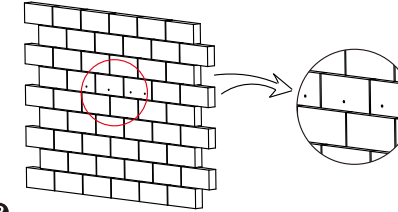
### Inverter Installation

- Mark the position of four holes



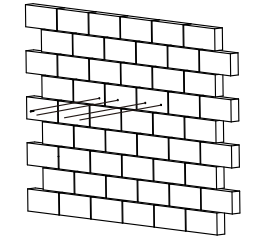
1

- Drill holes with  $\phi 10$  drill.  
(torque:  $25 \pm 2 \text{ kgf. cm}$ )  
- Depth: at least 60mm.



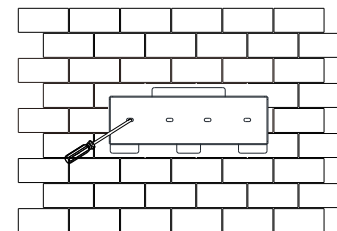
2

- Tighten the expansion tubes.



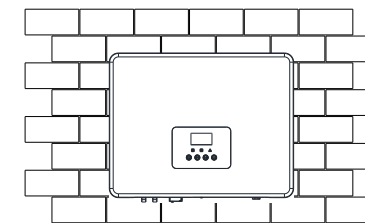
3

- Screw the expansion screws.



4

- Match the inverter with the bracket.



5

III

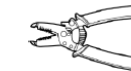
### PV Connection

cable size: 12 AWG

7.0mm trip length



Tools:



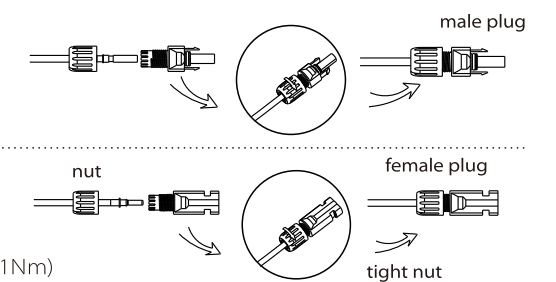
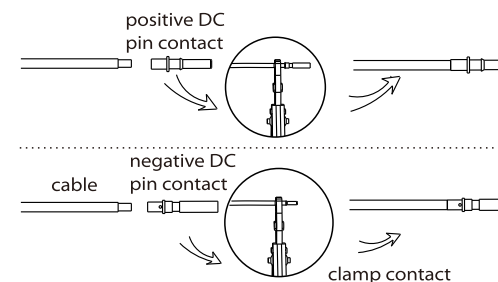
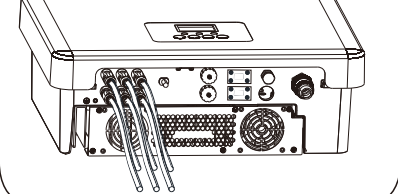
Stripping pliers



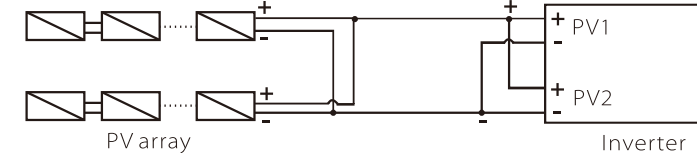
Wire crimper

Wire crimper recommended model :  
H4TC001  
manufacturer: Amphenol

- Align the halves connectors



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



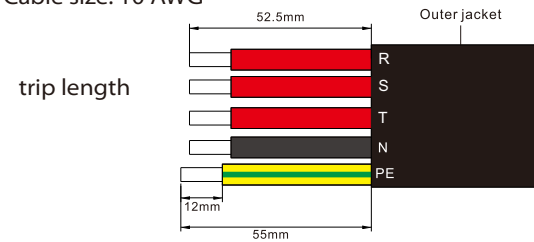
Note!

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

# IV

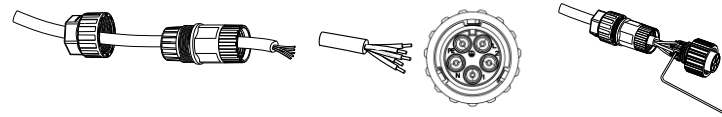
## AC Connection

Cable size: 10 AWG



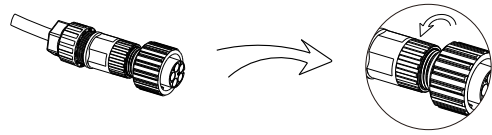
1. Slide the cable nut and back shell onto the cable.

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



(Use the accompanying inner hexagon spanner)

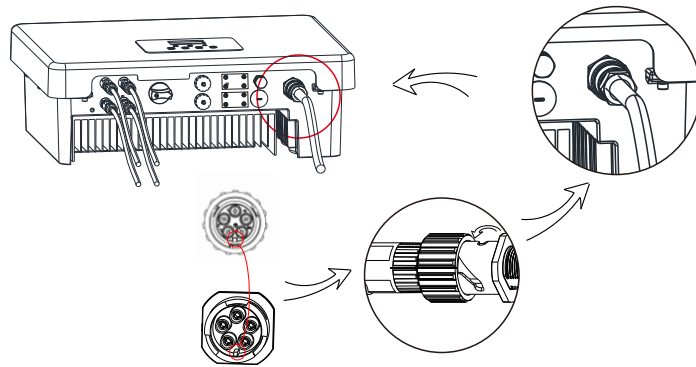
3. Tighten the screw of the back shell and the male insert.



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



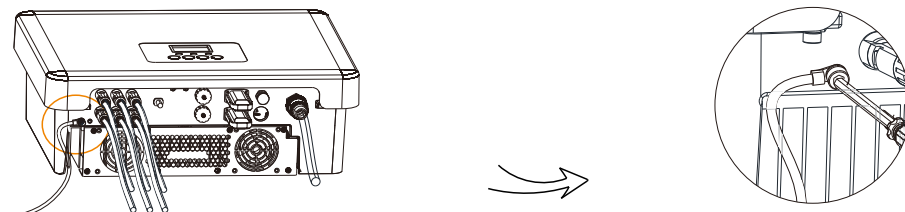
5. Align the groove of male terminal with the convex of female terminal, then tighten the bush in male terminal.



# V

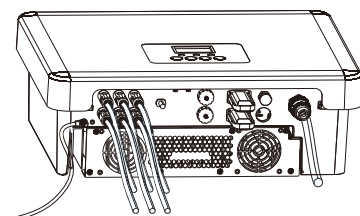
## Earth Connection and Overview

- Screw the ground screw with allen wrench shown as follow.



( $\phi 4$  hexagon wrench, torque:  $1.5 \pm 0.2 \text{ Nm}$ )

- Overview for connection.



Start inverter

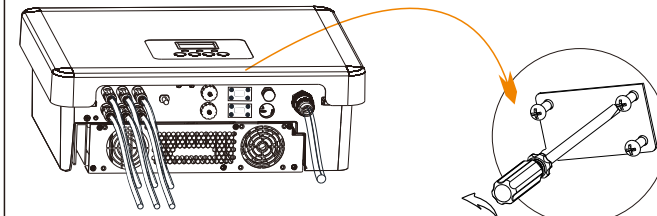
1. Turn on the external AC and DC connectors;

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.

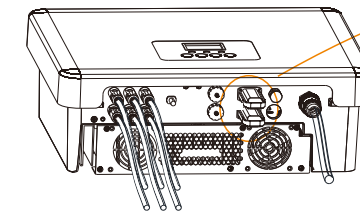
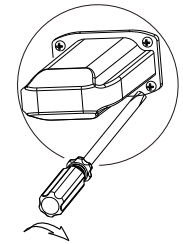
## WiFi Connection(optional)

- Open the WiFi lid on the bottom of the inverter.



(torque:  $0.6 \pm 0.1 \text{ Nm}$ )

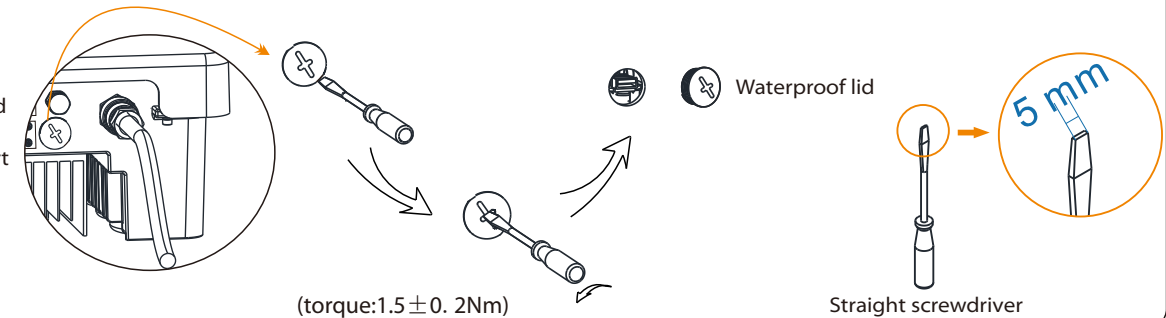
- Plug the Pocket WiFi (from Solax) into the port named "WiFi" on inverter, and tighten the four screws as below.



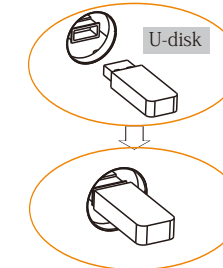
Note:  
Please refer to the appropriate instruction manual for the usage of Pocket WiFi.

## USB Connection (for 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.



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



Update  
> ARM  
DSP

3) Press "OK" to confirm to update. 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!