



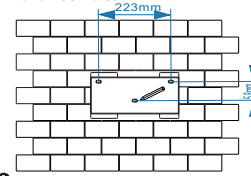
# Quick Installation Guide

X1 Series 3.0KW-5.0KW

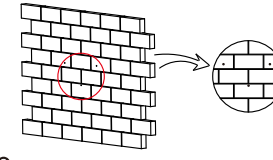
## II

## Inverter Installation

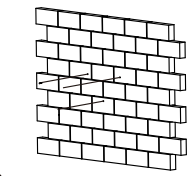
1 - Mark the position(223mm×58mm) of three holes



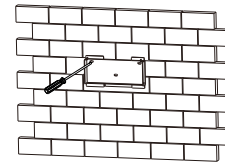
2 - Drill holes with  $\phi 6$  drill.  
- Depth: at least 50mm.



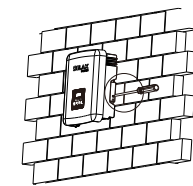
3 - Tighten the expansion tubes.



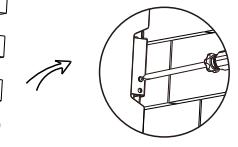
4 - Screw the expansion screws.



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

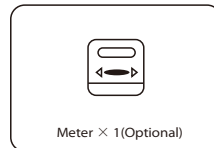
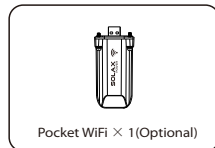
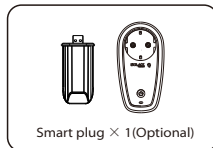
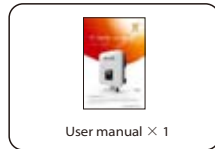
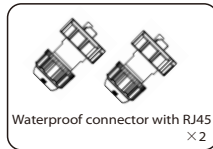
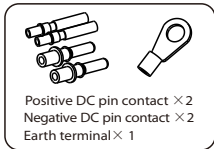
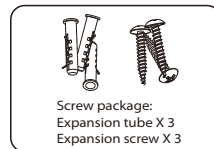
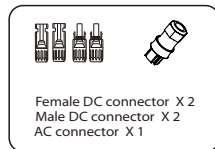
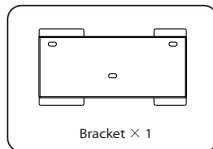


torque:  $1.5 \pm 0.2 \text{Nm}$



## I

## Packing List

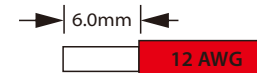


Note:  
Please refer to the appropriate instruction manual for the usage of optional accessories.

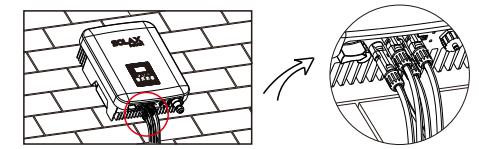
## III

## PV Connection

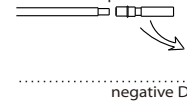
Cable size: 12 AWG  
trip length:



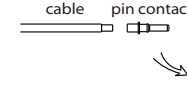
-Align the four halves connectors.



positive DC pin contact

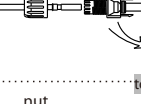


torque:  $1.2 \pm 0.1 \text{Nm}$

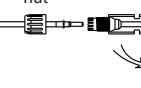


clamp contact

male plug

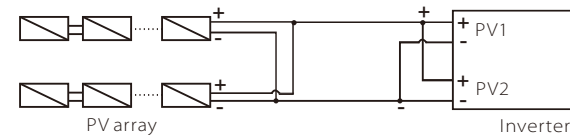


torque:  $1.2 \pm 0.1 \text{Nm}$



female plug

tight nut

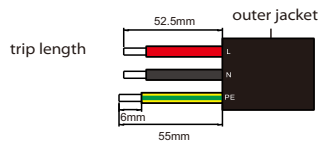


Note!  
The PV connection mode as the diagram shown is **not allowed!**

# IV

## AC Connection

Cable size: 10 AWG



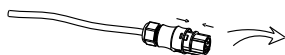
1. Slide the cable nut and back shell onto the cable.



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

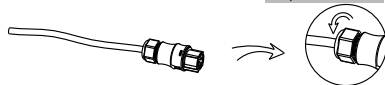


3. Screw down the threaded sleeve with pressure screw.

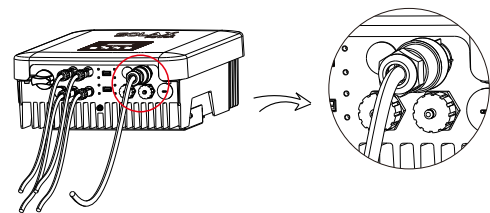


4. Screw down the pressure screw.

torque: 3.0±0.3Nm



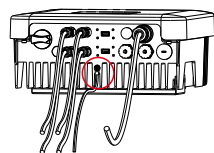
5. Connect the AC plug to the inverter.



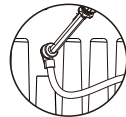
# V

## Earth Connection and Overview

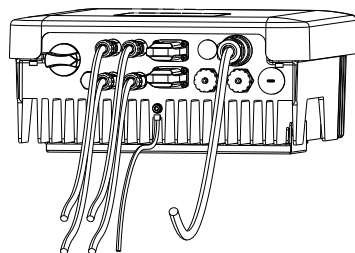
- Screw the ground screw with  $\Phi 4$  hexagon wrench shown as follow.



torque: 1.5±0.2Nm



- Overview for connection.



- After checking all connection 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	Leave 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

1

== English ==  
>English  
German  
- Choose the language you want.

2

== Date time ==  
>2016< -07-07  
00:00  
- Set date time based on the local time.

3

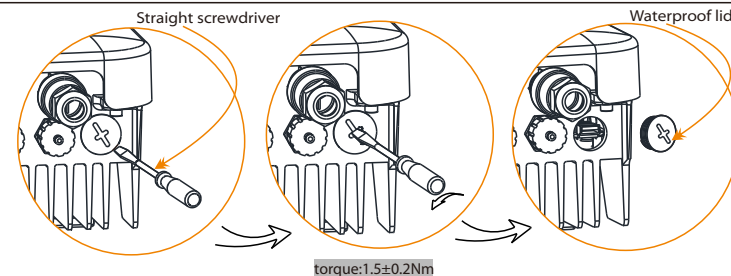
== Safety ==  
Country  
>VDE4105  
- The user can set the safety standard here according to different countries and grid standards.

4

== Export control ==  
Mode Select  
>Disable<  
- With this function the inverter can control energy exported to the grid. Whether having this function is based on user's wishes.  
- Set this parameter based on local grid policy. (For specific country if required by local 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.



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.



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!