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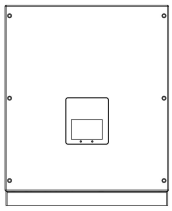
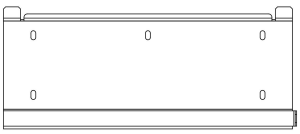
FoxESS

Quick Installation Guide

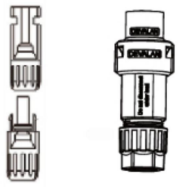
Packing List



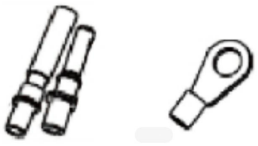
A



B



C D



E F

G H

I

J

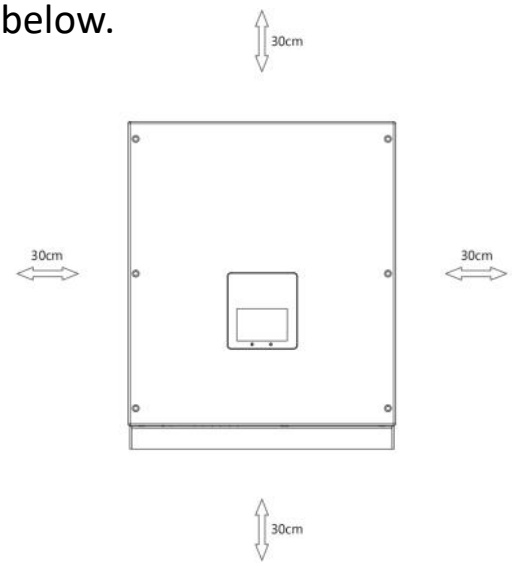
K

L

Object	Quantity	Description	Object	Quantity	Description
A	1	Inverter	H	5	Expansion screw
B	1	Bracket	I	1	Communication connector
C	2/3/4	DC connector (F/M)	J	1	Product manual
D	1	AC connector	K	1	Quick installation guide
E	2/3/4	DC pin contact (1*positive, 1*negative)	L	1	WiFi/GPRS (Optional)
F	1	Earth terminal			
G	5	Expansion tube			

Inverter Installation

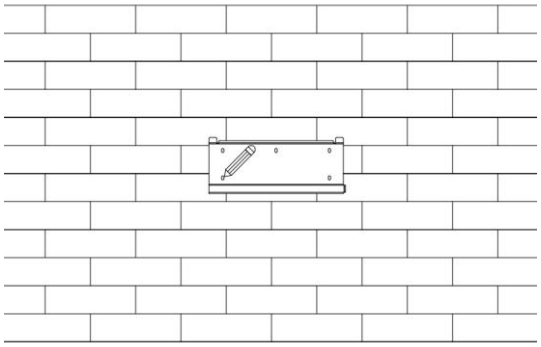
Please make sure the inverter will be installed with a proper distance as shown below.



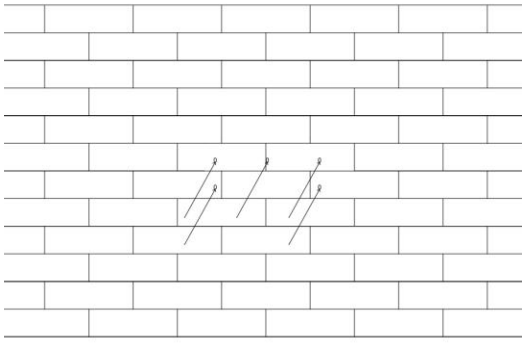
Position	Min Size
Left	30cm
Right	30cm
Top	30cm
Bottom	30cm
Front	30cm

Step 1: Fix the bracket on the wall

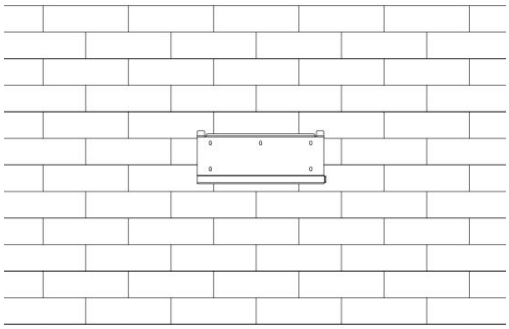
Choose the place you want to install the inverter. Place the bracket on the wall and mark the position of the 5 holes from bracket.



Drill holes with electric drill, make sure the holes are at least 50mm deep, and then tighten the expansion tubes.

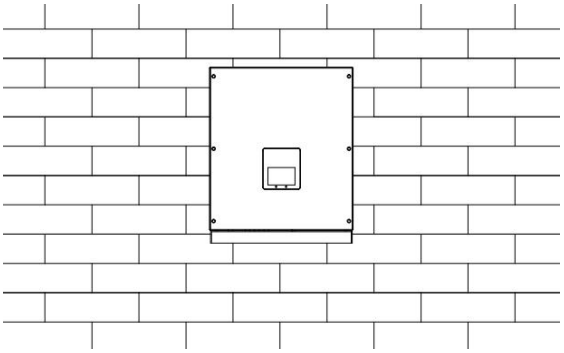


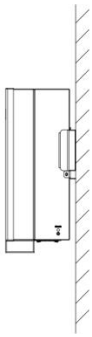
Insert the expansion tubes into the holes and tighten them. Install the bracket with the expansion screws.



Step 2: Match the inverter with wall bracket

Hang the inverter over the bracket, slightly lower the inverter, and make sure the 2 mounting bars on the back are properly fixed with the 2 bracket grooves.





Wiring Steps

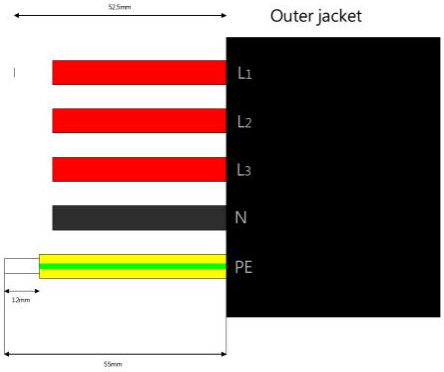
AC Wiring

- Cable dimensions

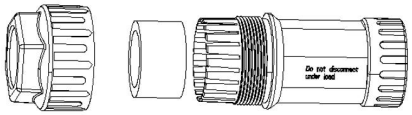
Model	T3	T4	T5	T6	T8	T10	T12	T15	T17	T20	T25
Cable	2.5~6mm²				4~6mm²			6~10mm²			10mm²
Micro-Breaker	16A				25A			40A		50A	60A

- Trim all the wires to 52.5mm and the PE wire to 55mm.

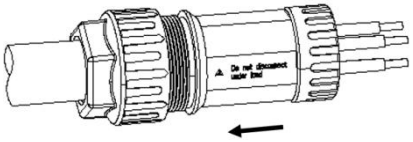
- Use the crimping pliers to trim 12mm of insulation from all wire ends as shown in the picture.



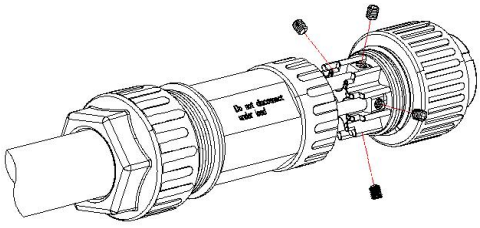
➢ Separate the AC plug into three parts as below.



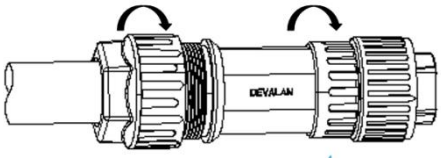
➢ Insert the sleeve assembly into the cable.



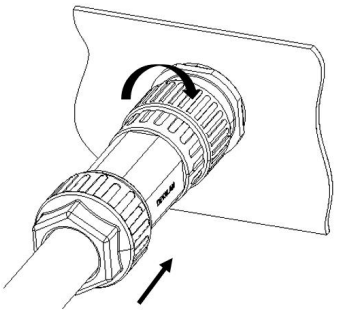
➢ Install the copper wire into the plug terminal and lock the screw.



➢ Lock the lock nut and the sleeve(3~5N·m), lock the sleeve and the plug(1.5~1.7N·m).

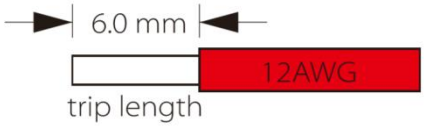


- Insert the plug assembly into the socket (inverter end) and lock each other by the coupling twist.

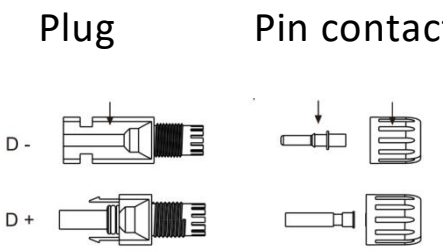


DC Wiring

- Turn off the DC switch.
- Choose 12 AWG wire to connect the PV module.
- Trim 6mm of insulation from the wire end.

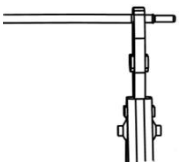


- Separate the DC connector as below.



- Insert striped cable into pin contact and ensure all conductor strands are captured in the pin contact.

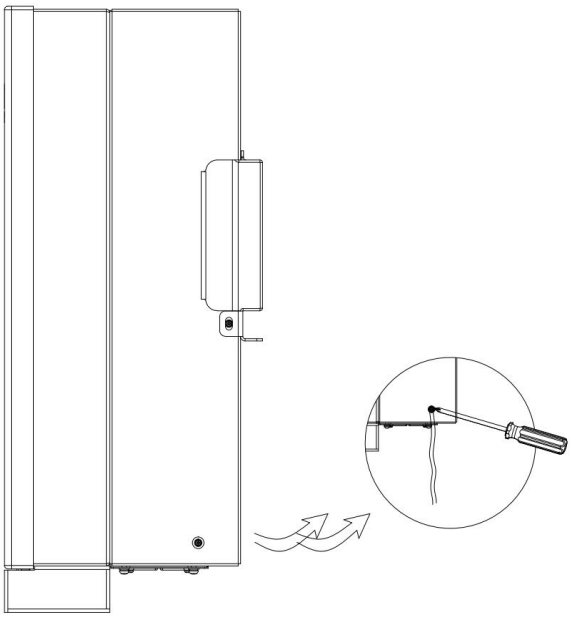
- Crimp pin contact by using a crimping plier. Put the pin contact with striped cable into the corresponding crimping pliers and crimp the contact.



- Insert pin contact through the cable nut to assemble into back of the male or female plug. When you feel or hear a “click” the pin contact assembly is seated correctly.

Grounding Wiring

Screw the ground screw with screwdriver as shown below.



Startup Procedure

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

-Tum the DC switch to “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.