1. OVERVIEW
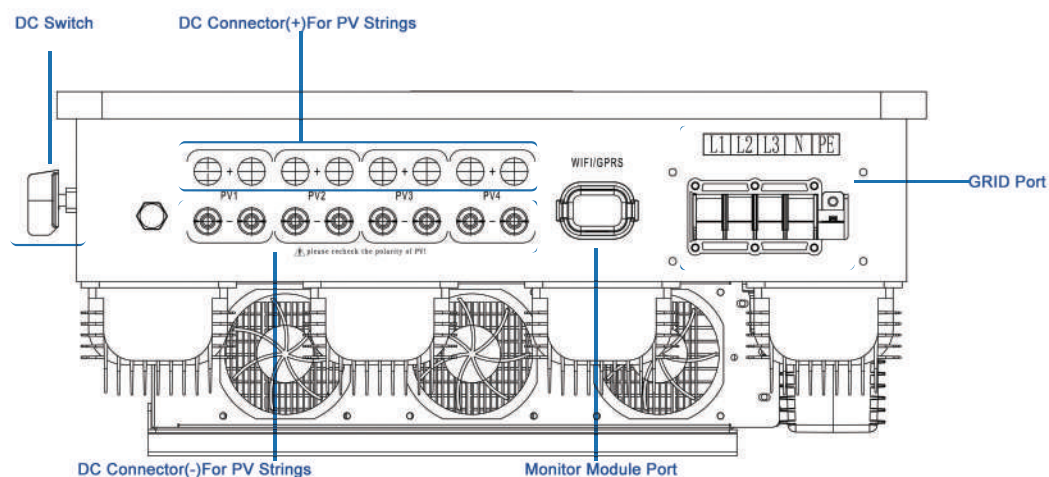
The following picture shows the assignment of the individual connection areas on the bottom of the inverter.

DC Switch
DC Connector(+)For PV Strings
WIFI/GPRS
GRID Port
PV1 PV2 PV3 PV4
L1 L2 L3 N PE
please recheck the polarity of PS1
DC Connector(-)For PV Strings
Monitor Module Port

2. PACKAGE LIST

On receiving the inverter, please check to make sure the packing and all components are not missing or damaged. Please contact your dealer directly for supports if there is any damage or missing components.
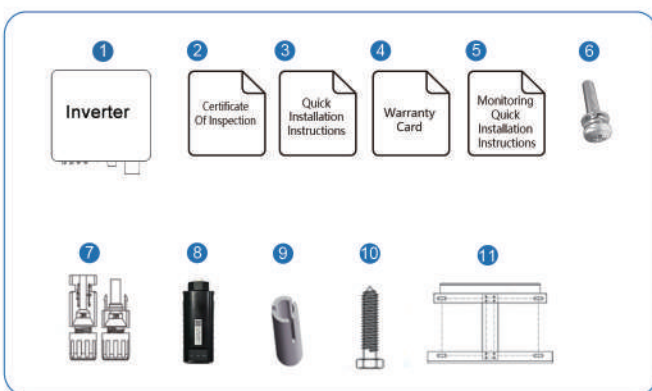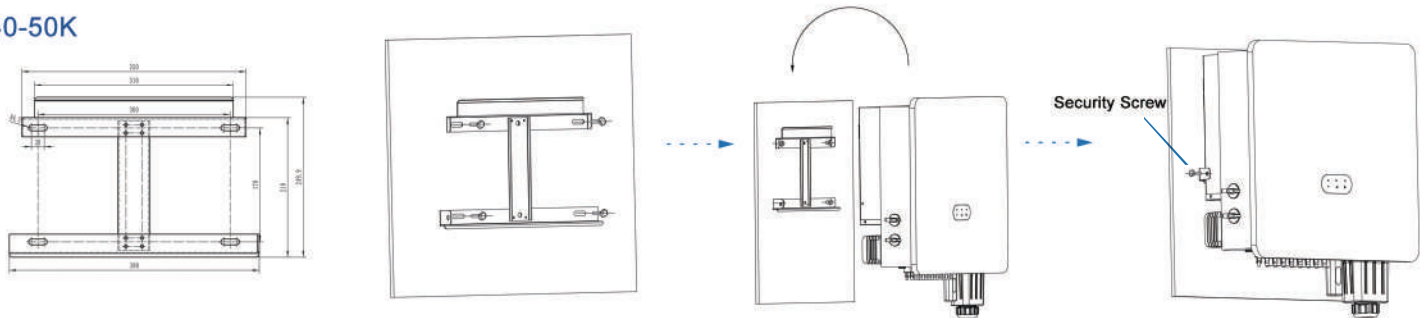
No.	Qty	Items	No.	Qty	Items
1	1	Inverter	11	1	Wall Mounting Bracket
2	1	Certificate Of Inspection			
3	1	Quick Installation Instructions			
4	1	Warranty Card			
5	1	Monitoring Quick Installation Instructions			
6	4	Screw			
7	2/3/4	DC Connector			
8	1	Monitor Module			
9	3/4	Expansion Tube			
10	3/4	Mounting Bracket Screw			

3. QUICK INSTALLATION

A Mounting

40-50K

Security Screw

B PV Connection

1

12-15 mm
12-15 mm

⚠️ **Note:**
PV cable suggestion
Cross-section
4mm²

2

Positive Crimp Contact

Negative Crimp Contact

⚠️ **Note:**
Please use PV connector crimper to pinch the point of the arrow

⚠️ **Note:**
You'll hear click sound when the connector assembly is correct

3

PV +
PV -
PV Array 1

PV +
PV -
PV Array 2
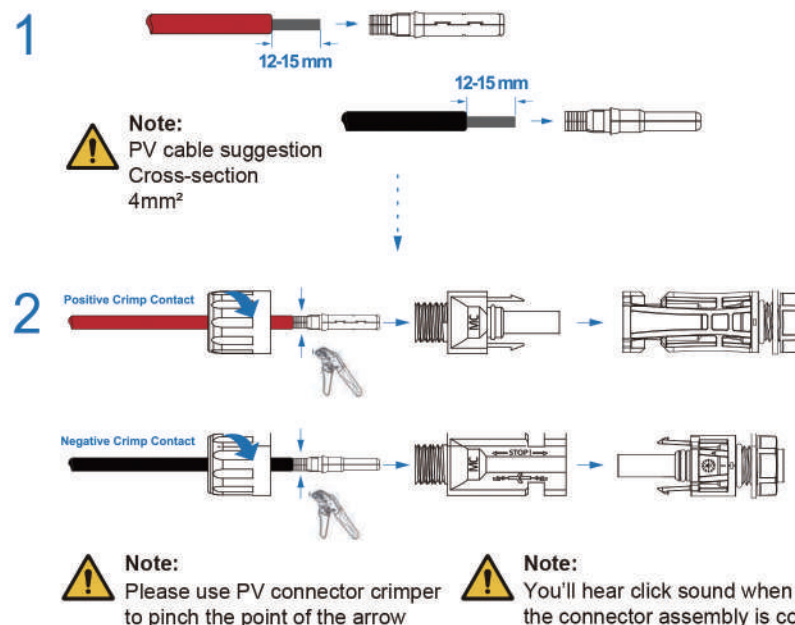
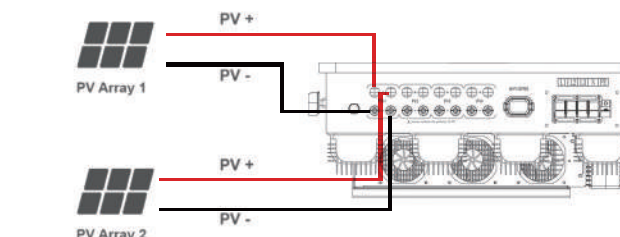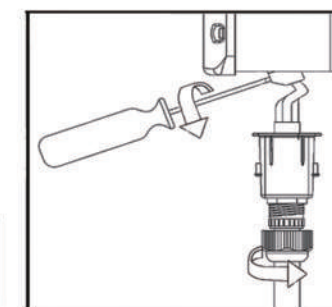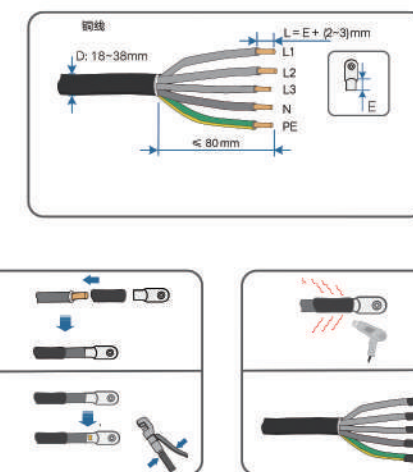⚠️ **Warning:**
The fatal high voltage may on the DC side, please comply with electric safety when connecting.
Please make sure the correct polarity of the cable connected with inverter, otherwise inverter could be damaged.
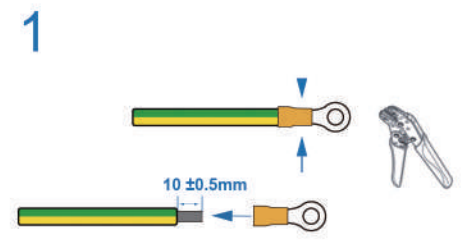
C AC Connection

钢线
D: 18~38mm
L = E + (2~3)mm
L1
L2
L3
N
PE
≤ 80mm

Part	connection	Cable size	Torque
DC terminal	PV array	4~6mm²	NA
Ground terminal	AC cable	6~10mm²	10~12N.m
Grid terminal	Power grid	16~35mm²	10~20N.m
RS485 terminal	Communication cable	0.3~4mm²	0.6N.m
COM terminal	Data collector	NA	NA
DC surge protection device	NA	NA	NA

1. Turn off the AC side circuit breaker and place a "no power-on" sign to prevent it from being switched on.

2. Connect the AC side connector to the corresponding AC terminal at the bottom of the inverter.

3. Connect the "PE" cable to the ground.

4. Connect the live and neutral wires to the AC circuit breaker.

5. Connect the other end of the AC circuit breaker to the grid.

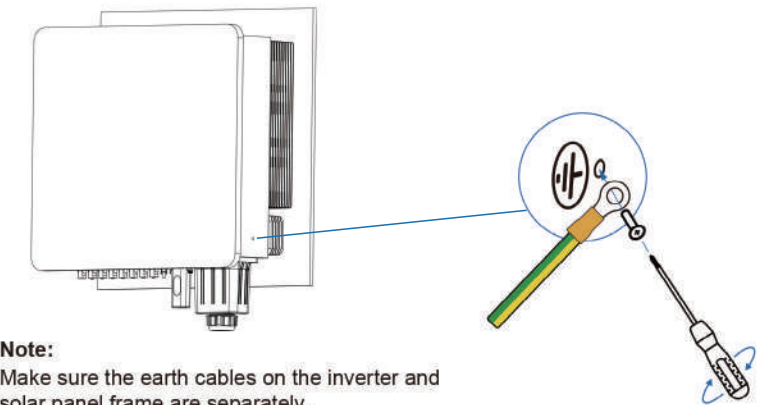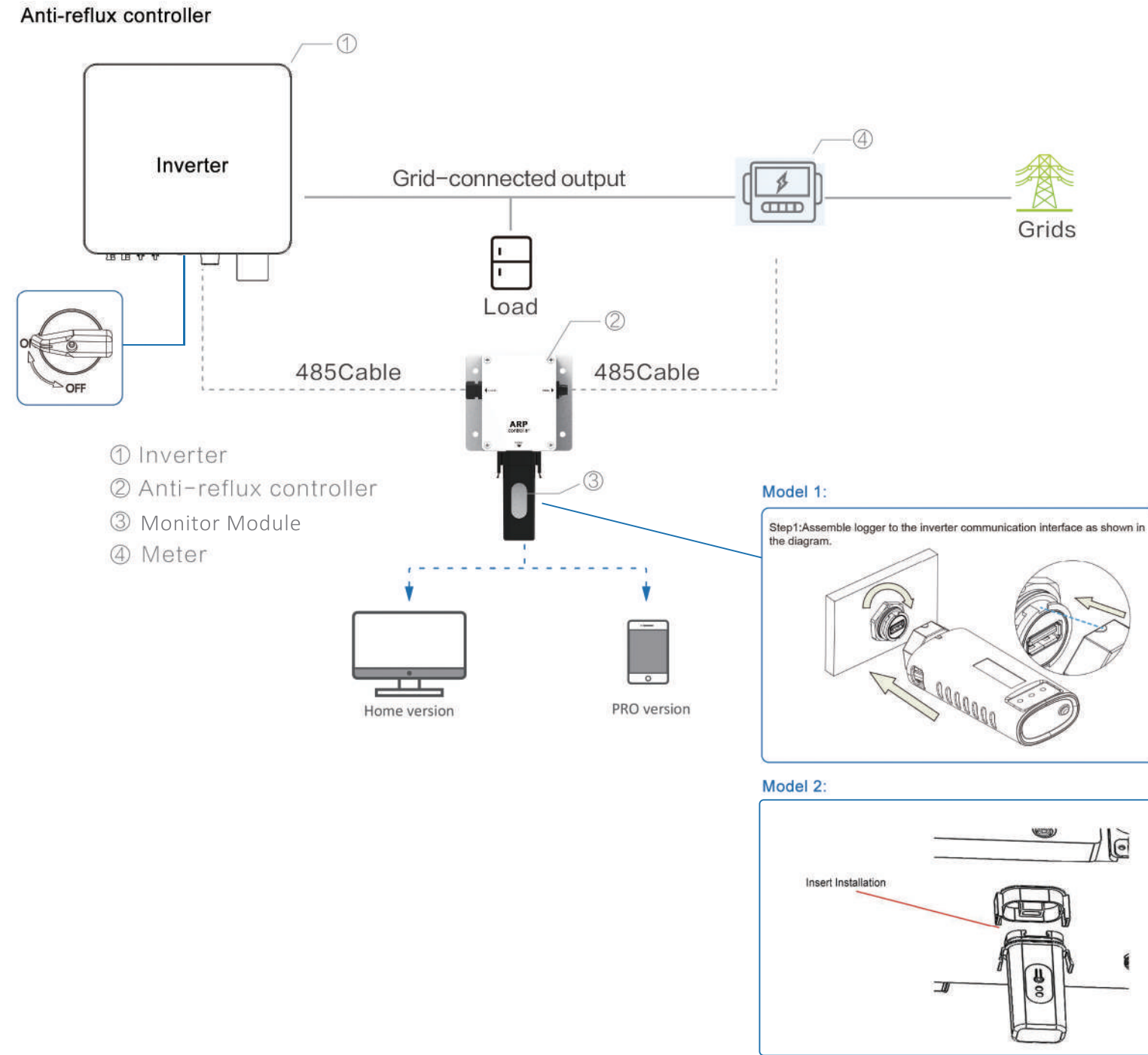6. Check that all cables are firmly connected.

D

Earth Connection

1

10 ±0.5mm

⚠ **Note:**
Earth cable PE suggestion:
Cross-section (Copper) 4-6mm² / 10AWG

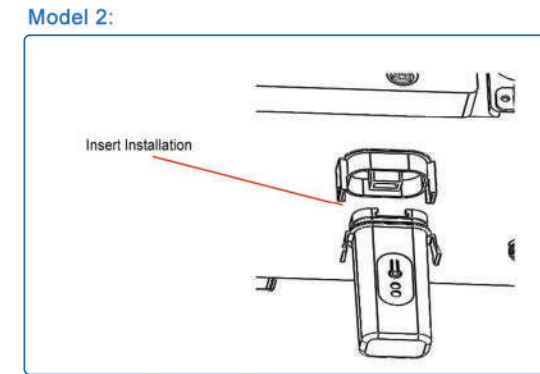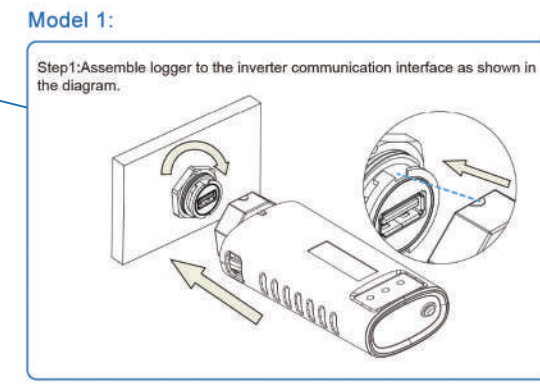**2** Fix the grounding screw to the grounding connection of the machine housing.

⚠ **Note:**
Make sure the earth cables on the inverter and solar panel frame are separately.

E

Anti-reflux controller

① Inverter

Grid-connected output

④

Grids

Load

OFF

② 485Cable   485Cable

ARP

① Inverter
② Anti-reflux controller
③ Monitor Module
④ Meter

③

Home version   PRO version

Model 1:

Step1:Assemble logger to the inverter communication interface as shown in the diagram.

Model 2:

Insert Installation

Configure the Monitor Module, router, account registration, etc. Please check the WiFi connection manual for details.