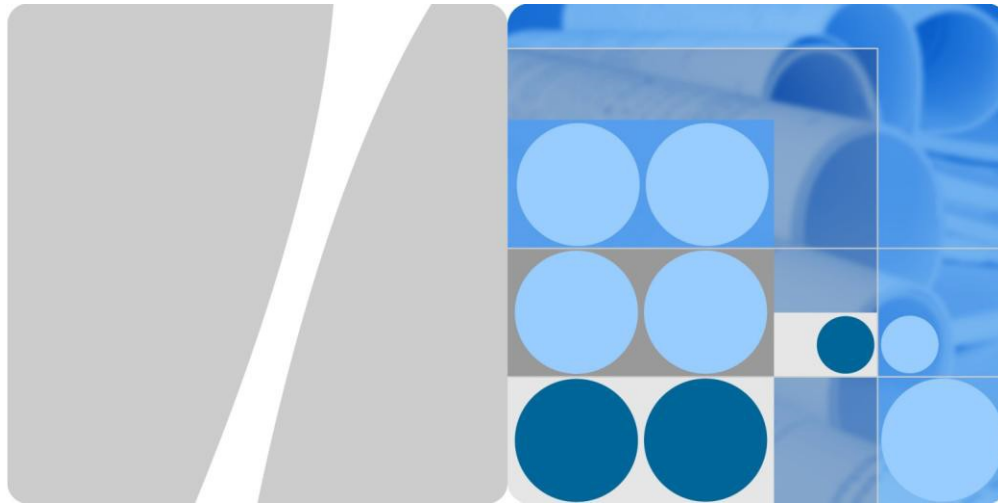




KY-EST Series Three-Phase Energy Storage Inverter (6-12kW)

Quick Installation Guide

Jiangsu Koyoe Energy Technology Co.,Ltd

Add: Building 3, Industrial Zone C, No.588 Wutaishan Road, New
District, Suzhou, Jiangsu P.R. China

Business Cooperation: info@koyoe.com

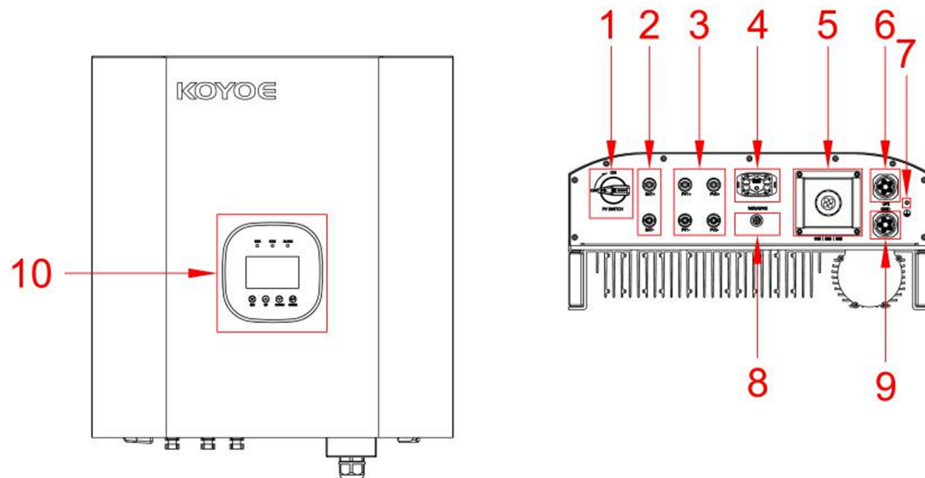
After Sales Service: service@koyoe.com

Web: www.koyoe.com

Global Support Hotline: +86 400-900-9536

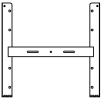
1 System Installation

1.1 Interface introduction



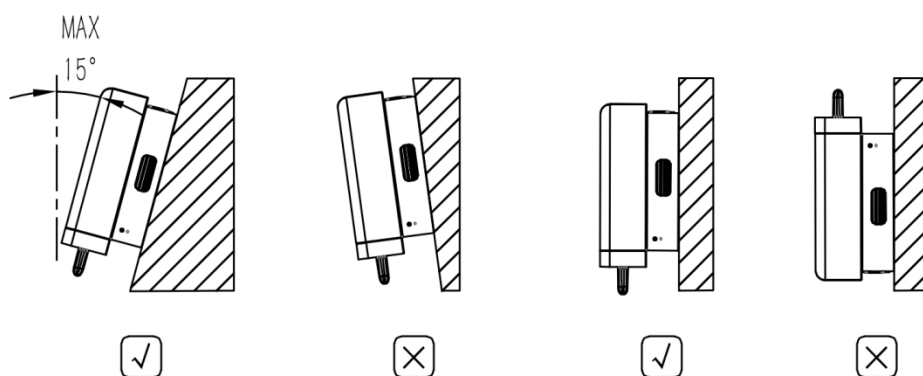
Introduction			
NO.	Description	NO.	Description
1	PV Switch	2	Battery Terminal
3	PV Terminal	4	WIFI
5	COM Terminal	6	UPS Terminal
7	Ground	8	Breather Valve
9	GRID Terminal	10	LCD

1.2 Packing List

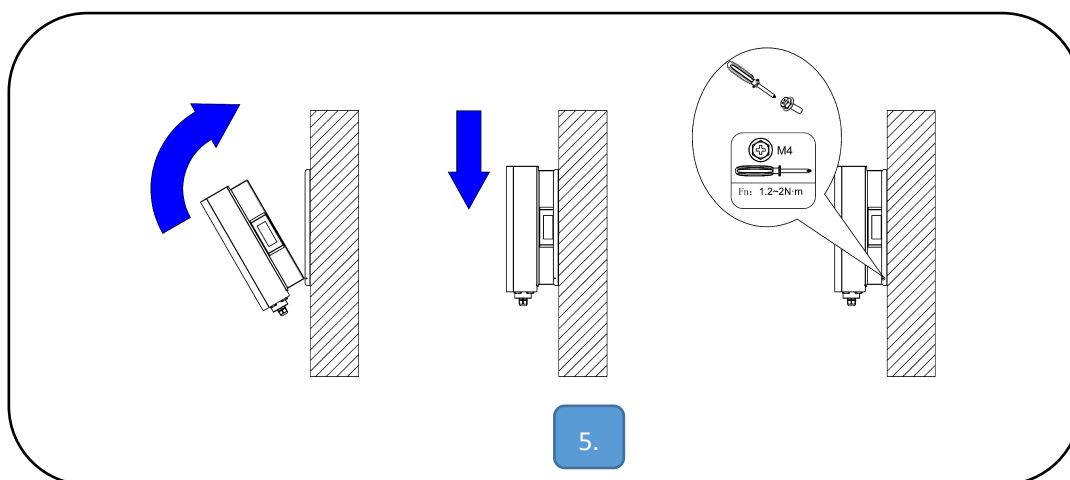
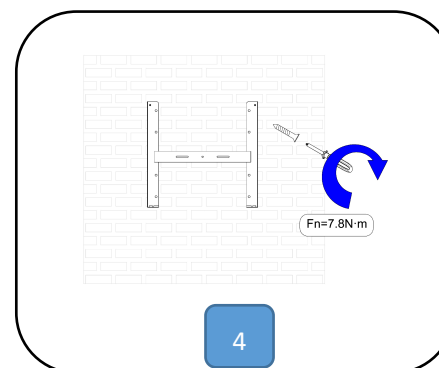
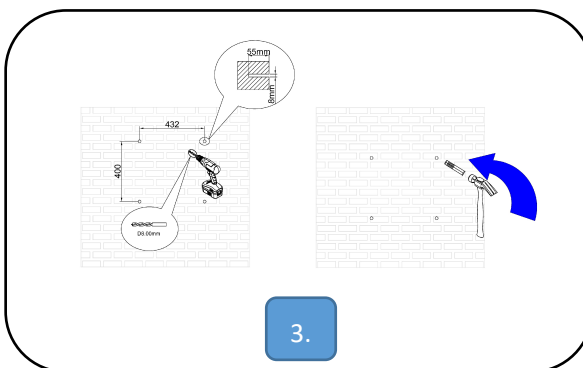
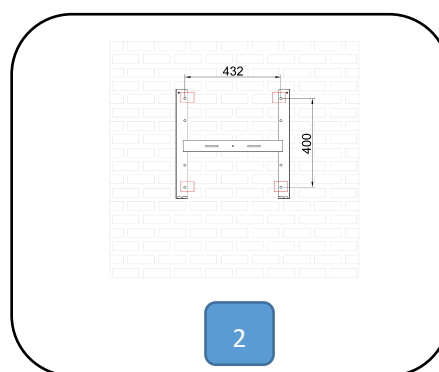
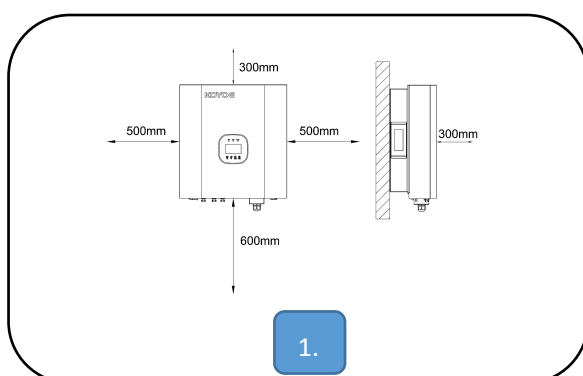
 Inverter X1	 Negative PV PLUG (Black) X2	 Positive PV PLUG (Black) X2	 Negative BAT PLUG (Blue) X1	 Positive BAT PLUG (Blue) X1
 Wifi/4G X1	 Expansion Bolts X4	 UPS Plug X1	 GRID Plug X1	 EzMeter X1
 Wall mount bracket X1	 CT X3	 Information on installation instructions X1		

1.3 Installing Inverters (concrete wall installation as an example)

Correct device installation method



Install the inverter as follows

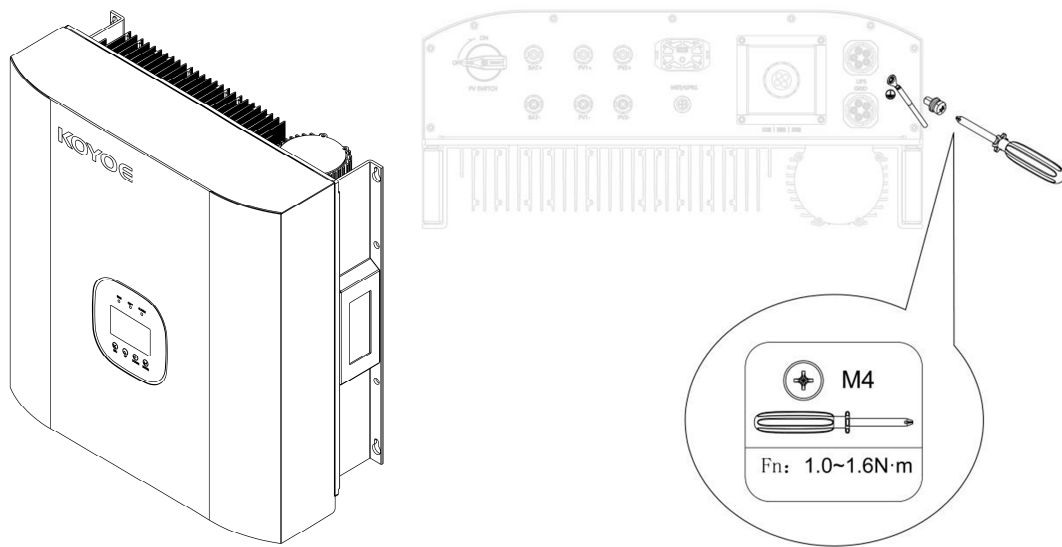


- (1) Select the appropriate installation location;
- (2) Mark the position of the red box in the diagram;
- (3) Drill holes and knock in expansion pipe;
- (4) Lock the wall mount bracket;
- (5) Hang PCS and secure them.

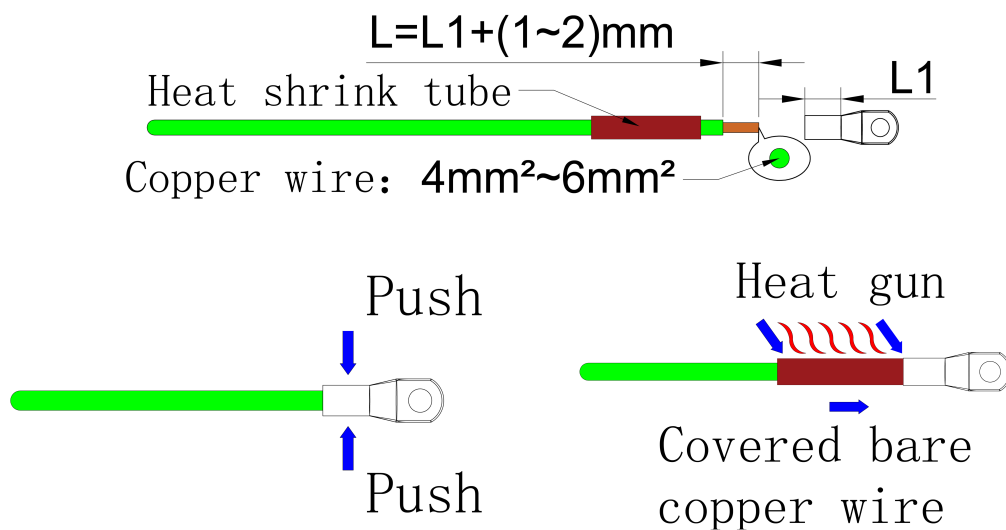
2 Electrical Installation

2.1 Ground side

Installation position of the grounding cable

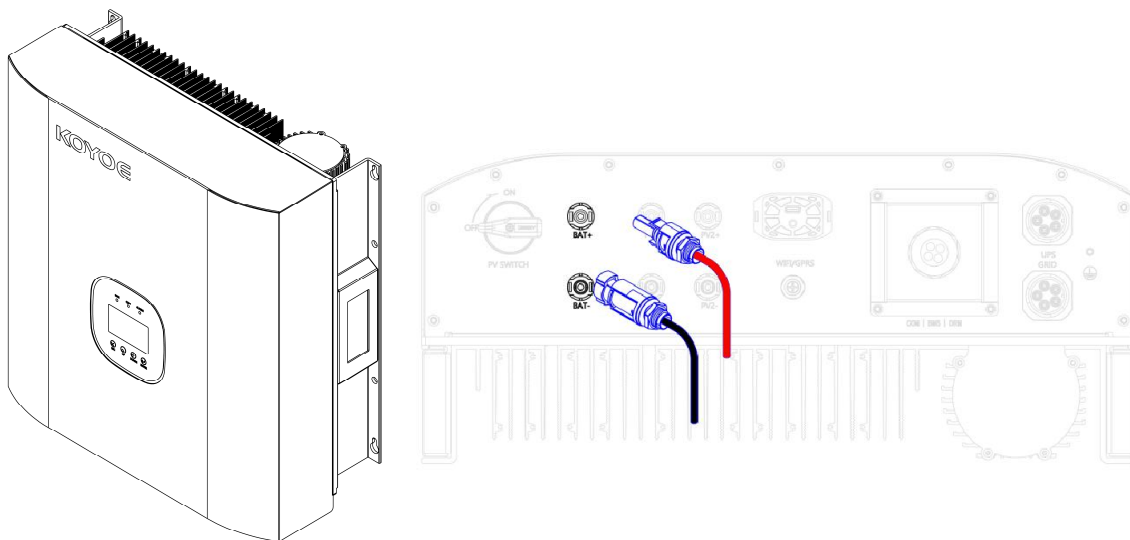


Wiring Harness Making

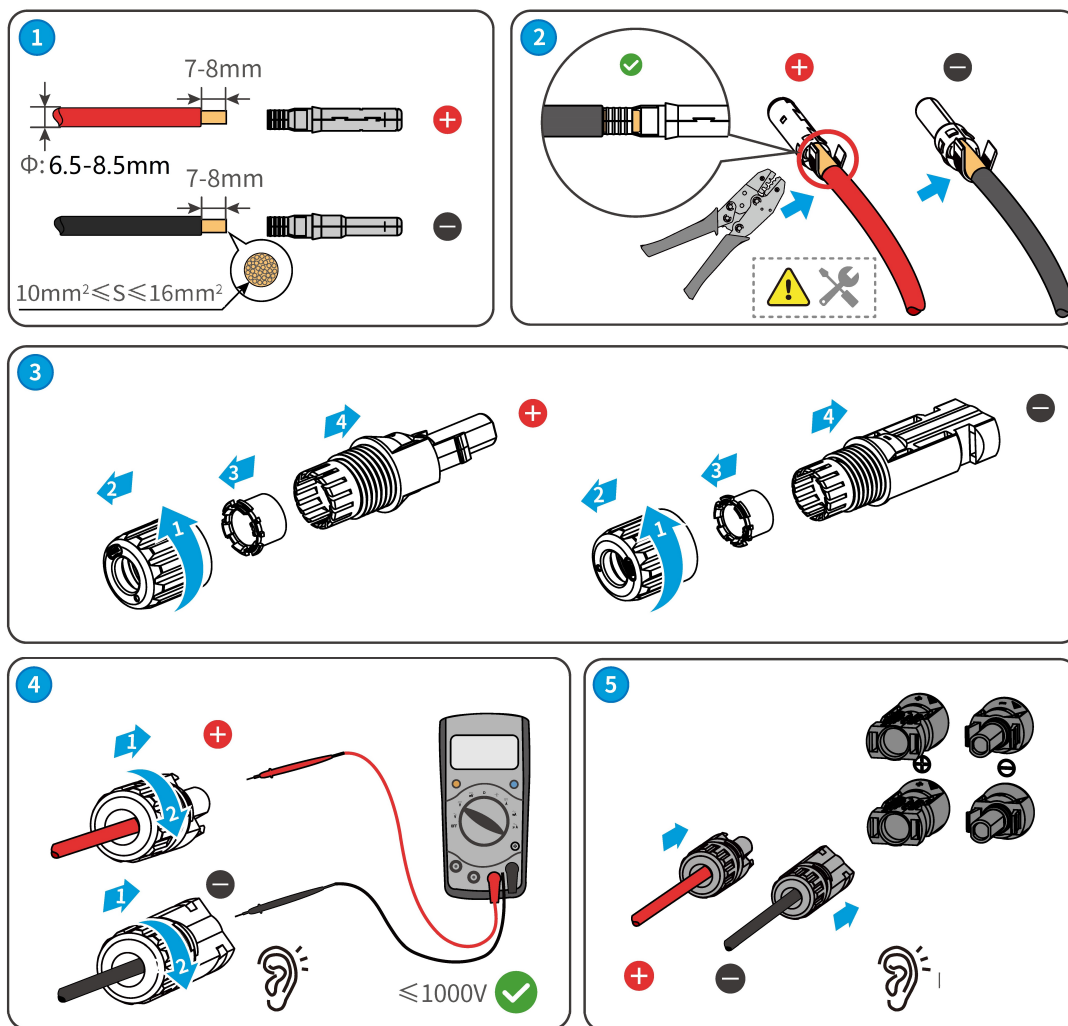


2.2 Battery side

Installation position

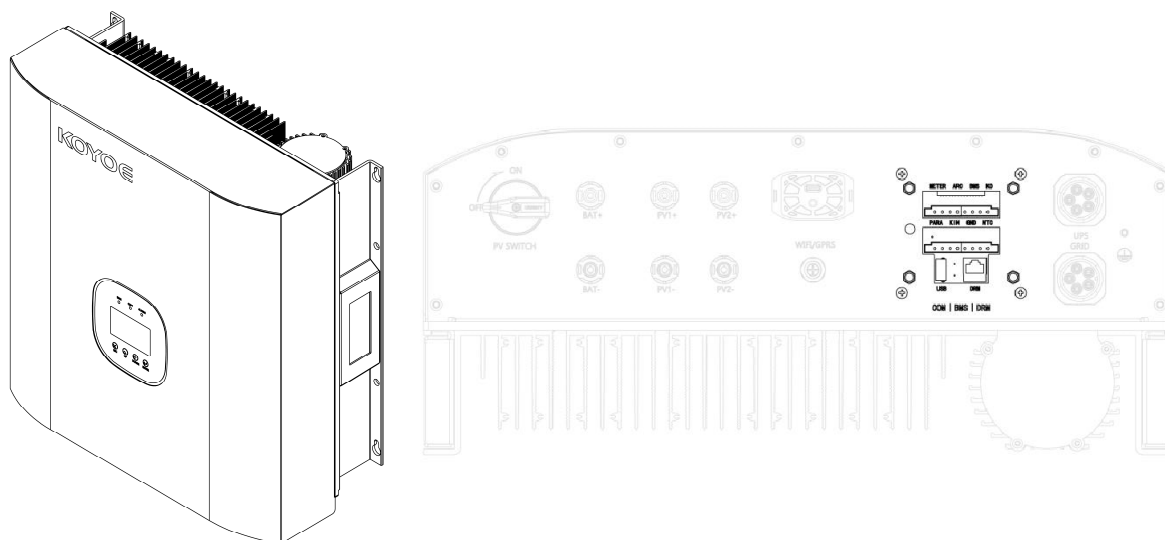


Wiring Harness Making

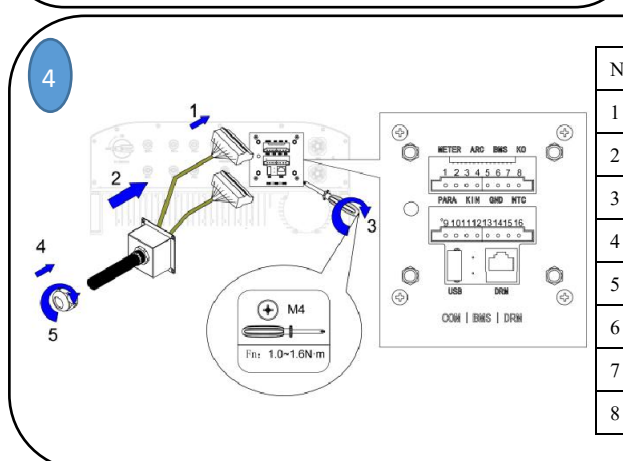
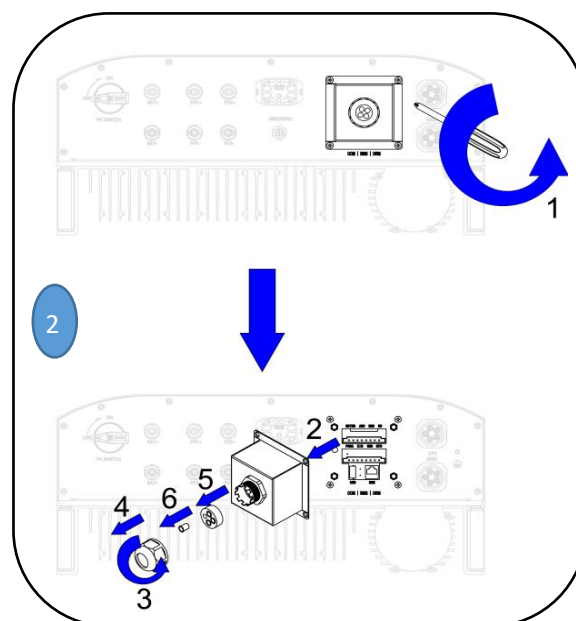
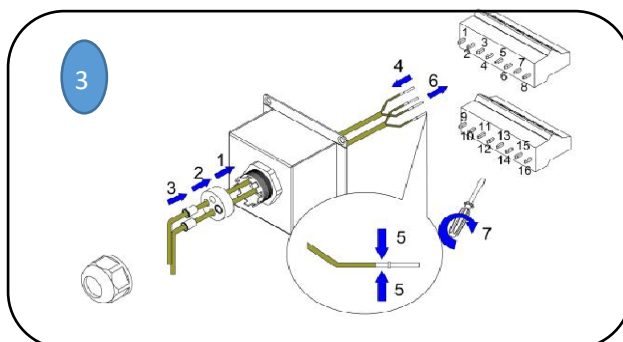
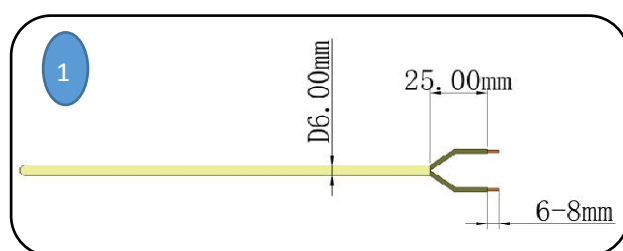


2.3 Communication side

Installation position



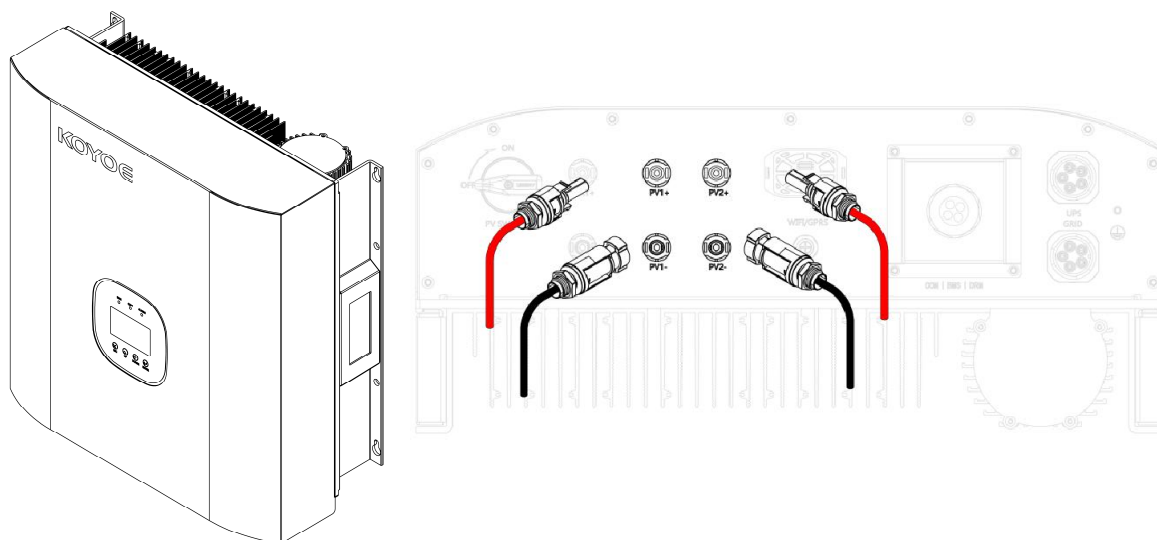
Wiring Harness Making



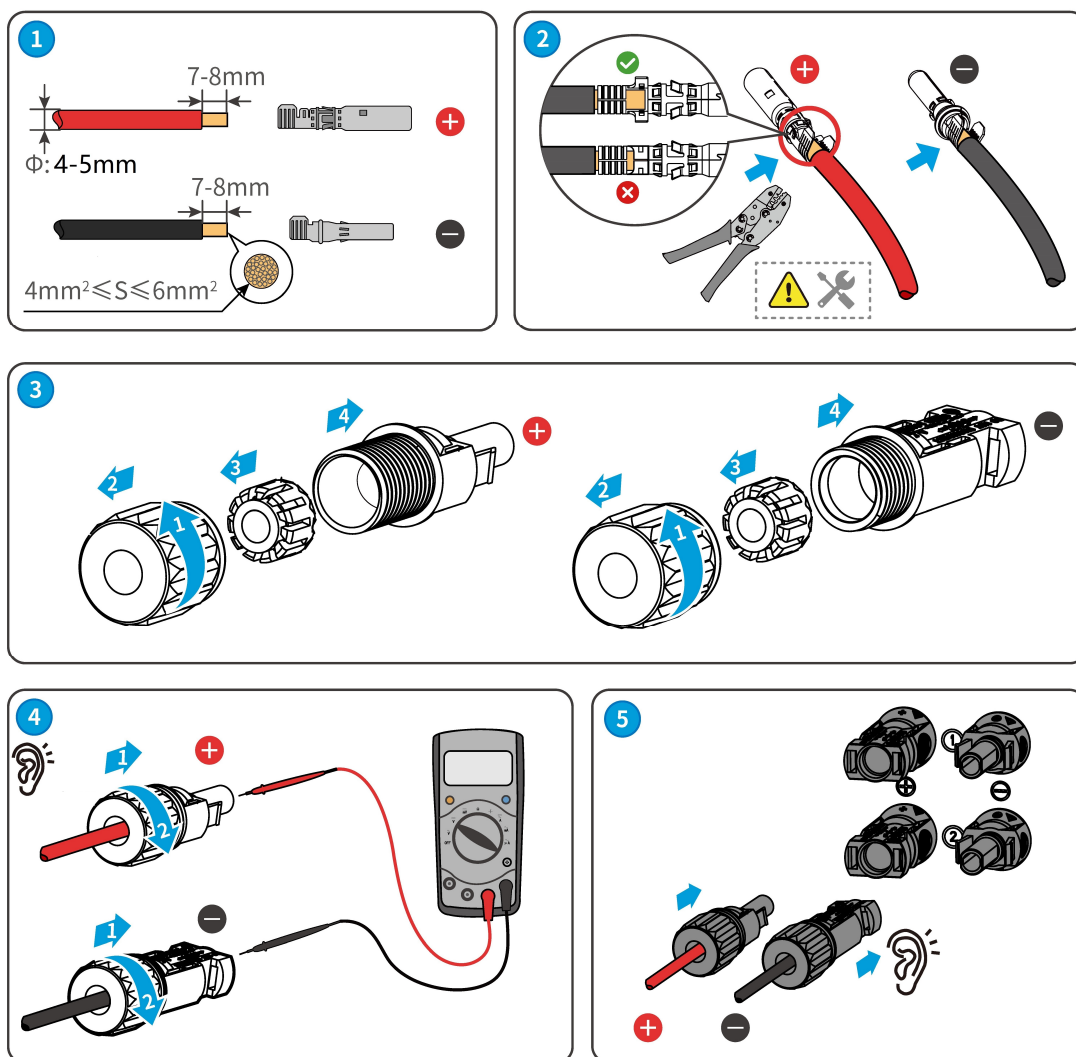
NO.	PORT	NO.	PORT
1	Meter-485-B	9	PARA-485-B
2	Meter-485-A	10	PARA-485-A
3	ARC-485-B	11	KIN+
4	ARC-485-A	12	KIN-
5	BMS-CAN-H	13	GND
6	BMS-CAN-L	14	GND
7	KO-	15	NTC-
8	KO+	16	NTC+

2.4 PV side

Installation position

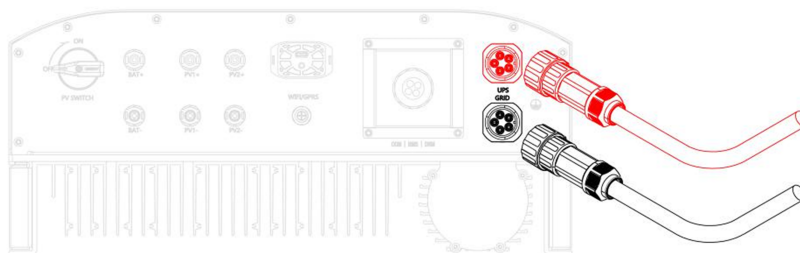
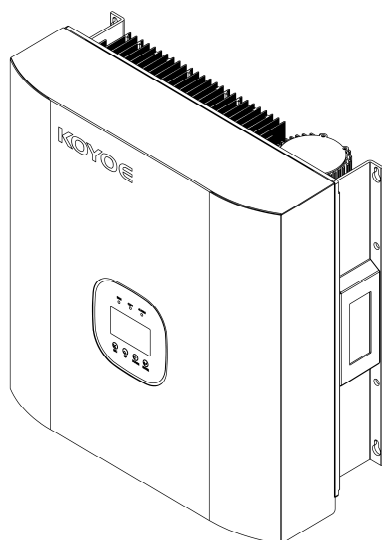


Wiring Harness Making



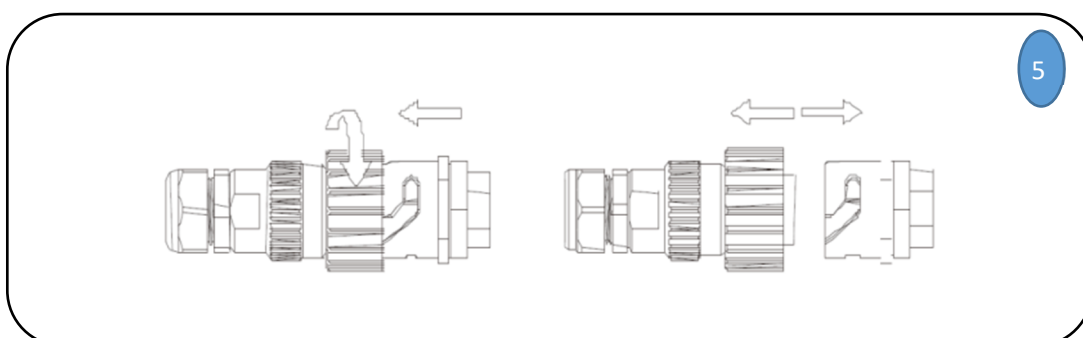
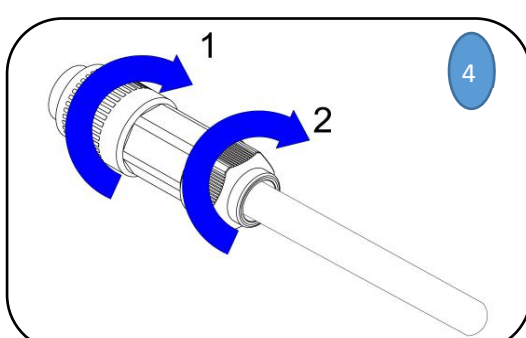
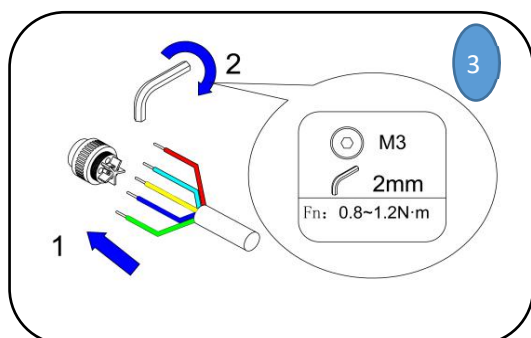
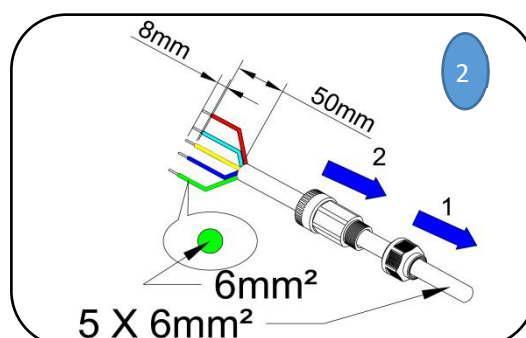
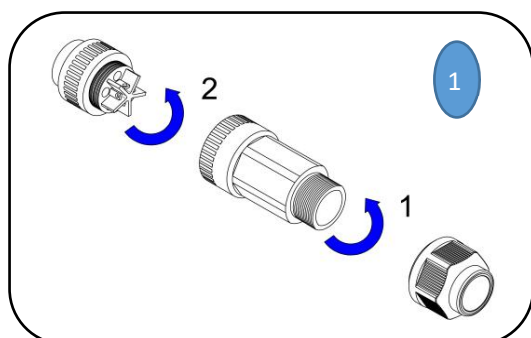
2.5 AC side

Installation position

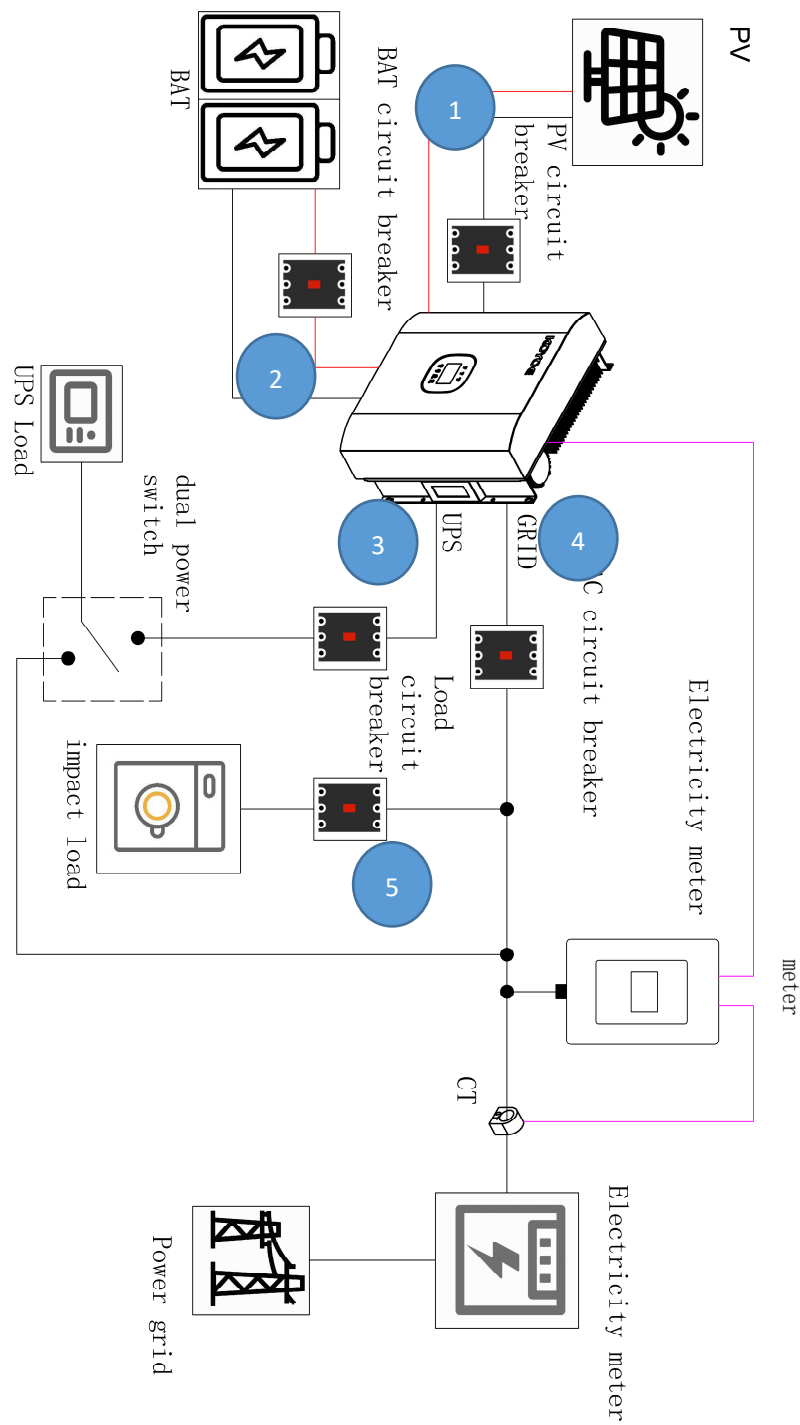


The AC terminal connects to the socket terminal	Corresponds to the load phase sequence of the power grid	Harness color
1	L1	Yellow
2	L2	Green
L	L3	Red
N	N	Blue
PE	PE ground connection	Yellow Green

Wiring Harness Making



3 Power on the Device



For detailed instructions, please read the manual carefully. The latest manual can be obtained at <http://download.koyoe.com/>, or scan the QR code below.

