

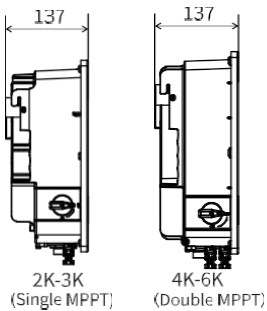
QUICK INSTALLATION GUIDE

Single-phase Grid-tied PV String Inverter 2K/3K/4K/5K/6K

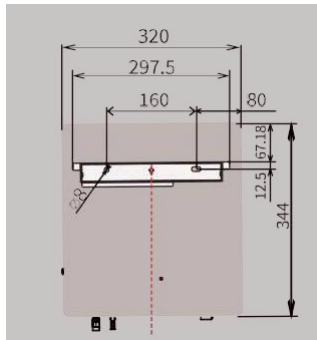
PACKAGE CONTENTS

A Inverter	E DC terminal connector group
B Mounting bracket	F Screws
C AC output Connector	G Removal tool for DC connector
D File package	H Removal tool for AC connector (Optional)
	I Expansion screw group

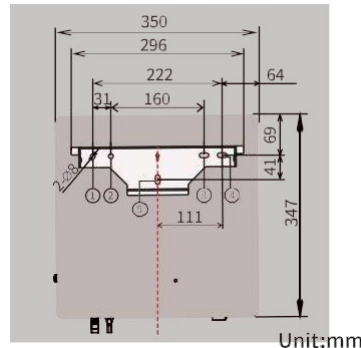
DIMENSIONS



Type A bracket for 2K-3K



Type B bracket for 4K-6K (Hole ①, ②, ③ or ④, ⑤, ⑥)

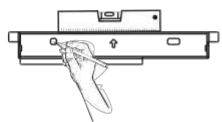


Unit:mm

INSTALLATION

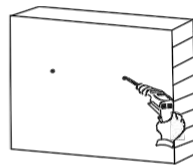
1. The walls must be fireproof and non-flammable materials, otherwise there is a fire risk.
2. Before drilling holes, check whether there are electric power pipes or other pipes buried in the walls to avoid risks.

Note: The following steps are only illustrated by the type A bracket.



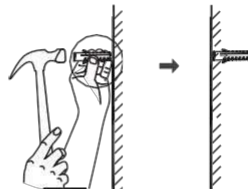
Set bracket level.
Mark the holes position on the wall.

1



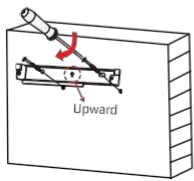
Ø: 10mm; Depth: 60mm

2 Drill the holes.



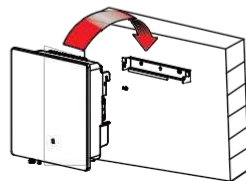
Pay attention to not too much strength to avoid damaging the expansion tube.
Install the expansion tubes.

3



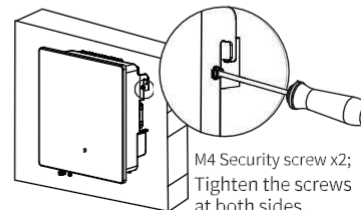
M6 Expansion screws; 2~2.5N.m

4



Install the inverter.

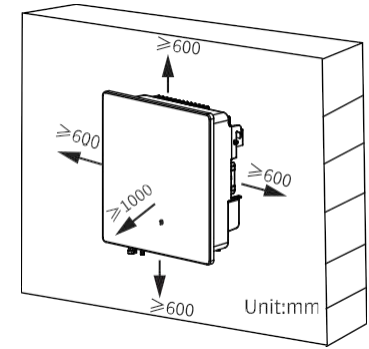
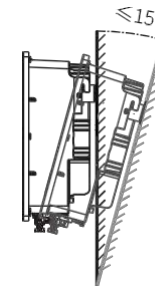
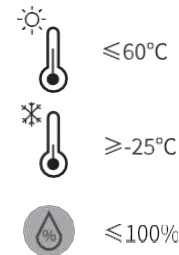
5



M4 Security screw x2;
Tighten the screws at both sides.

6

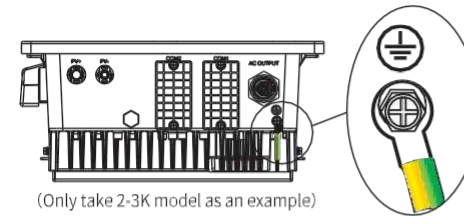
INSTALLATION LOCATION



Unit:mm

GROUNDING

- Ensure that inverter and all cables to be installed are completely powered off during whole installation and connection. Otherwise, fatal injury can occur due to the high voltage caused from AC and DC cables.



(Only take 2-3K model as an example)

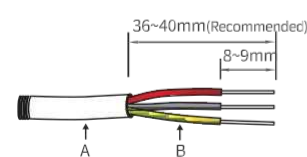
Items	Remark
Screw	M4 X 12mm; 1.2 N.m
OT Terminal	OT6-4
Yellow green lines	S (Yellow green lines) ≥ S (PE line of AC cable) S is the cross-sectional area.

AC CONNECTION

- Before connecting the AC terminal, ensure that both the AC terminal and the DC terminal are powered OFF and the DC switch is OFF. Otherwise there is a risk of high voltage shock.

Note: There are four types of AC terminals. Please refer to the object in the delivery. **Type A** is in usual. Whether you use **type A, B, C** or **D**, tighten the waterproof nut to avoid loosening. Take **type A** as example in the following steps.

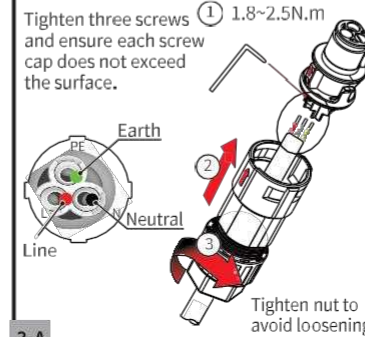
It is recommended to use outdoor dedicated cables with multiple copper cores.



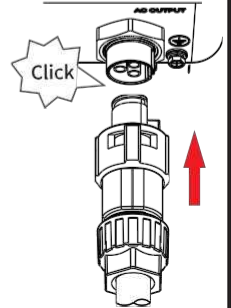
A	Diameter (mm)	10-14
B	Cross-Section (mm²)	4-6 (Range) 4 (Recommended)

1

2



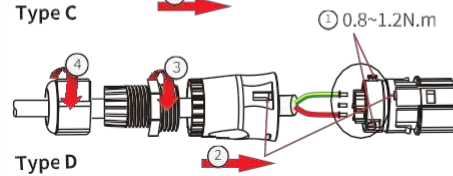
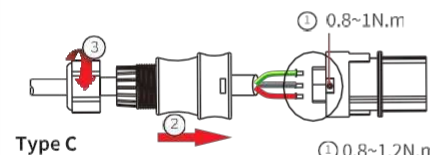
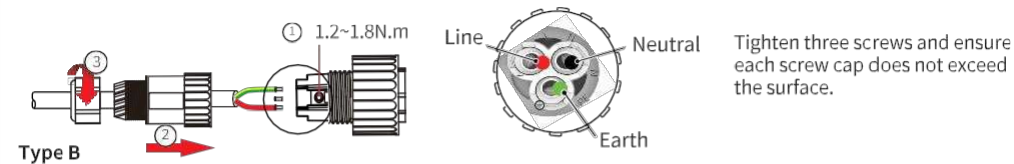
3-A



4

The wiring process of **type B**, **type C**, **type D** are shown as below.

Note: Whether you use type A, B, C or D, tighten the waterproof nut to avoid loosening.



When you choose **type B**, the protection sleeve is **optional**. Step 5 is only applicable to **type B** AC terminal when equipped with protection sleeve.



3-B/C/D

5

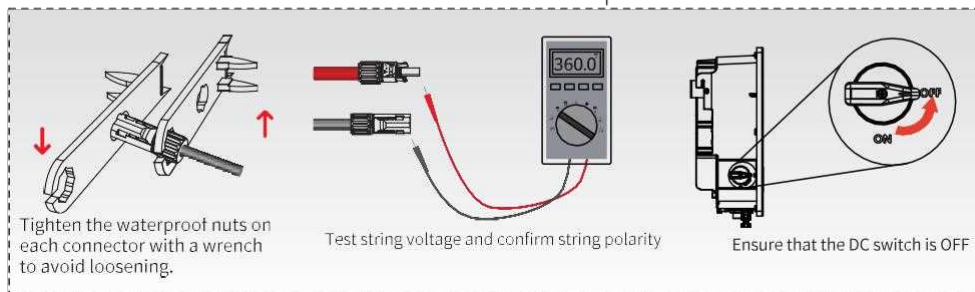
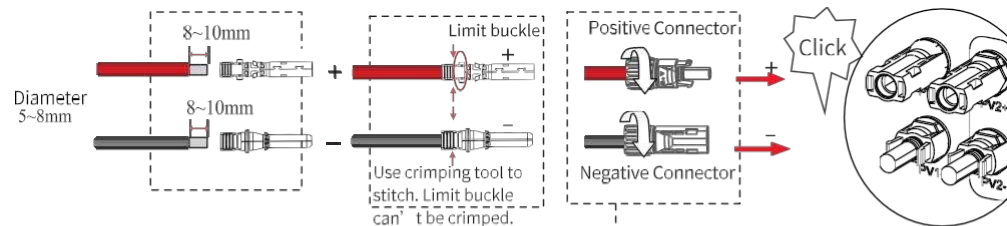
INSPECTION

No.	Items
1	The inverter is firmly installed.
2	There is enough heat dissipation space, no external objects or parts left on the inverter.
3	It is convenient for operation and maintenance.
4	The wiring of the system is correct and firm.
5	Check whether the DC and AC connections are correct with a multimeter, and whether there is a short circuit, break, or wrong connection.
6	Check whether the waterproof nuts of each part are tightened.
7	The vacant port has been sealed.
8	All safety labels and warning labels on the inverter are complete and complete without occlusion or alteration.

PV CONNECTION



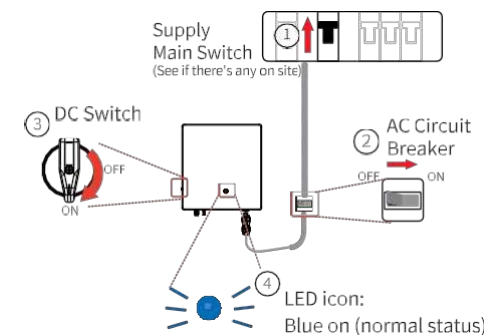
1. Photovoltaic arrays exposed to sunlight will generate dangerous voltages!
2. Before connecting the DC terminal, ensure that both the AC terminal and the DC terminal are powered OFF and the DC switch is OFF. Otherwise there is a risk of high voltage shock.



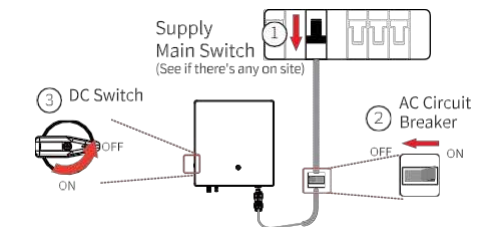
Note: DC cable should be dedicated PV cable (suggest using 4~6mm² PV1 -Fcable).

STARTUP / SHUTDOWN INVERTER

Startup Inverter



Shutdown Inverter



After the inverter is powered off, the remaining electricity and heat may still cause electrical shock and body burns. If need to disconnect the inverter cables, please wait at least 5 minutes before touching these parts of inverter.

As the technology is constantly updated and improved, the illustrations in this document are for reference only. Contents include illustrations in this document are subject to change without notice.