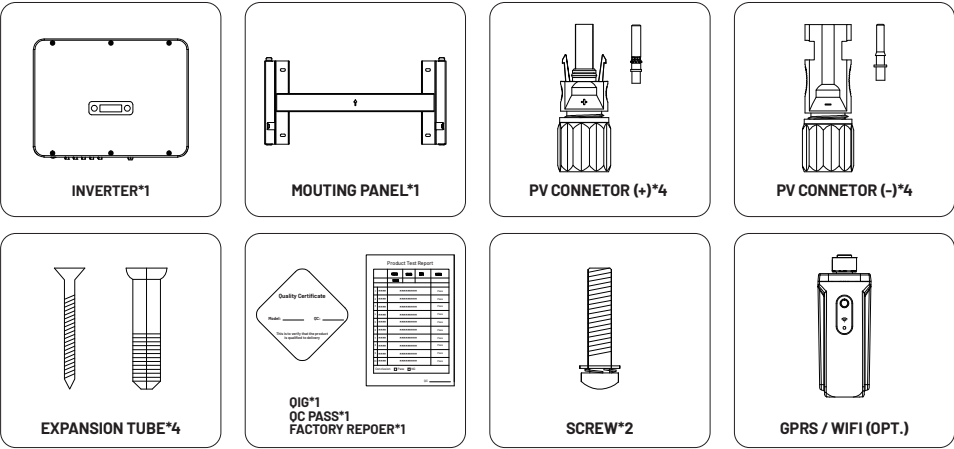


Quick Installation Guide

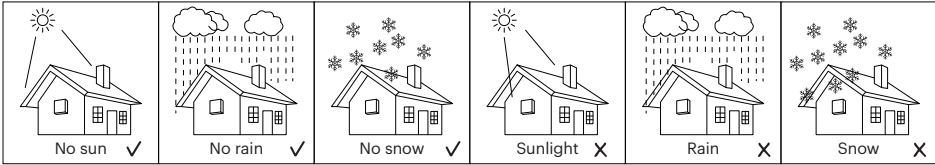
R3 LV Series

I Package Information



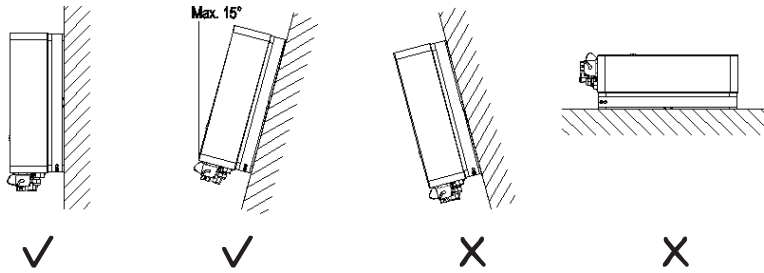
II Installation Environment

- 1) In order to achieve optimal performance, the ambient temperature should be kept lower than 45 °C.
- 2) For the convenience of checking the LCD display and possible maintenance activities, please install the inverter at eye level.
- 3) Inverters should not be installed near inflammable or explosive items. Any strong electro-magnetic equipment should be kept away from installation site.
- 4) Product label and warning symbol shall be clear to read after installation.
- 5) Please do not install inverter under direct sunlight, rain and snow.



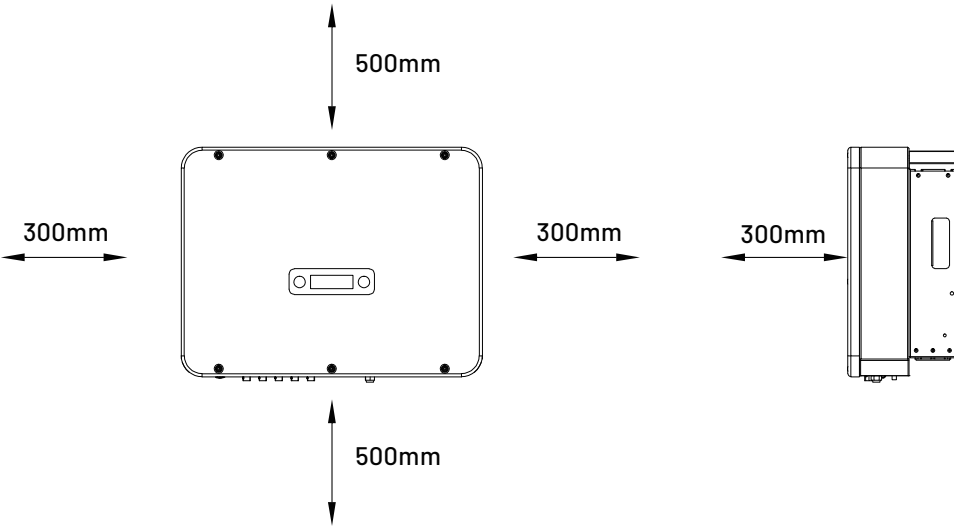
III Installation Position

- 1) The installation method and mounting location must be suitable for the inverter's weight and dimensions.
- 2) Mount on a solid surface.
- 3) Select a well-ventilated place sheltered from direct sun radiation.



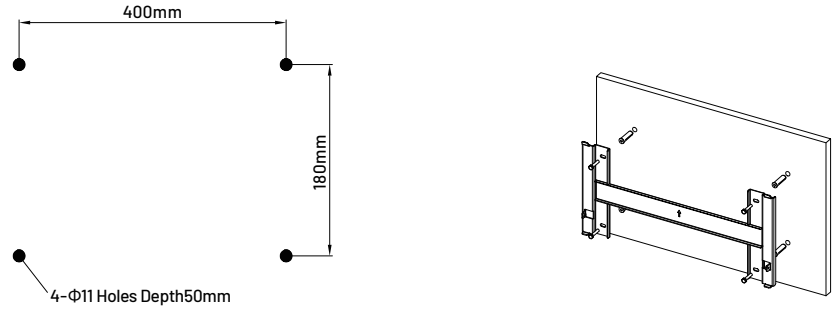
IV Installation Space

The installation minimum clearances around the inverter should be no less than the following value:

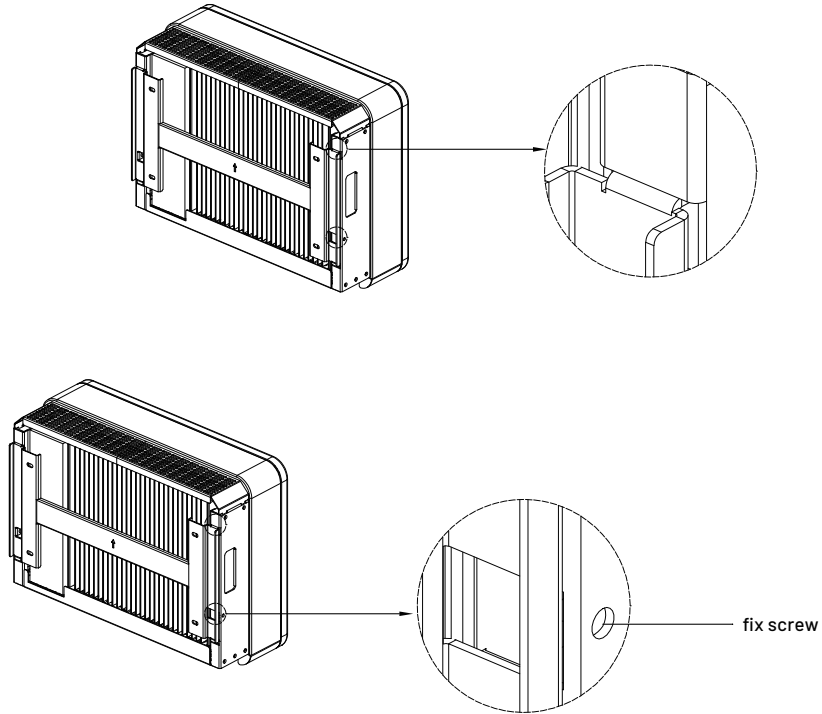


V Mounting The Inverter

- 1) Drill 4 Fix Ø11 holes in the wall according to the dimensions, fix the wall mounting bracket on the wall with 4 expansion bolts in accessory bag.

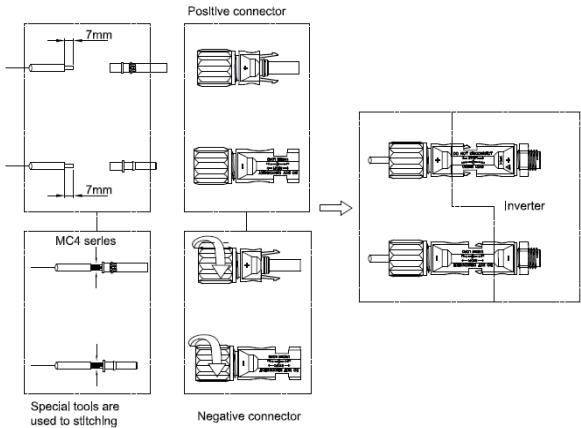


- 2) Place the inverter on the wall-mounted bracket and install the fix screws.



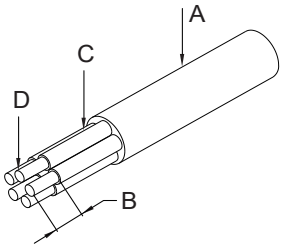
PV connection

1) Connect the PV strings to DC input port of inverter; make sure the maximum open circuit voltage (Voc) of each PV string does not exceed the inverter input voltage Vmax under any condition.



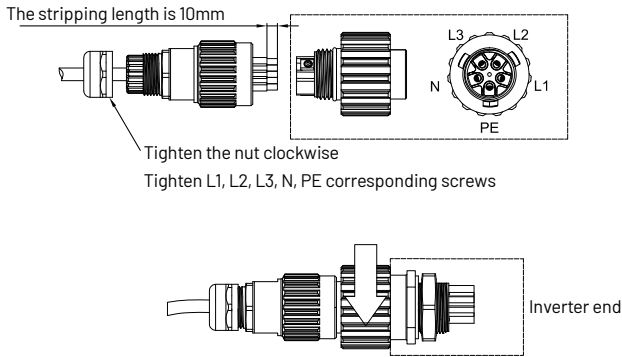
AC connection

1) Strip off PE/N/L1/L2/L3 cables as figure below:



No.	Description	Remark	
A	Protective layer	15-25mm	
		PE	7mm
		N	12mm
		L1	12mm
		L2	12mm
B	Length of stripped off	L3	12mm
C	Insulate layer	50mm	
D	Cross section of ac cables	10-12mm²	

2) Tighten the nut clockwise & Tighten L/N/PE cable screws to the terminals according to markings.

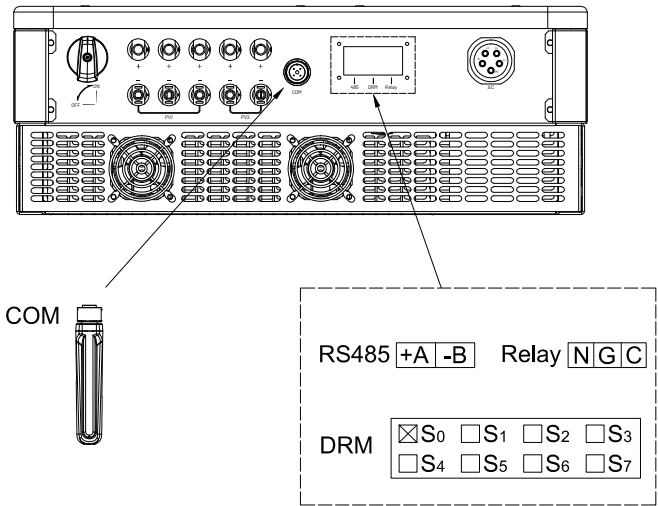


3) Plug Grid side connector into AC connector of inverter end, rotate and tighten clockwise.

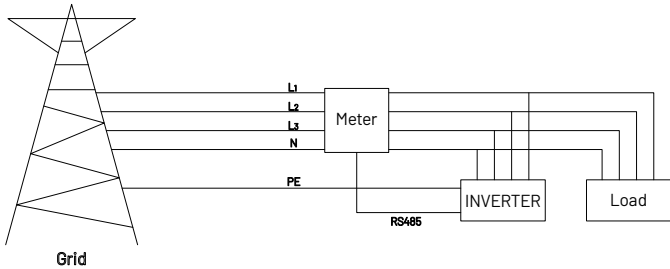
Communication connection

1) Install the WIFI/GPRS module to com port of inverter. And the “Relay” and “DRM” ports are specially made for Europe and Australia

- Remark:**
- a.WIFI /GPRS communication setup please refer to the module user manual.
 - b.For CEI standard, DRM S0 is the DI port, corresponding to PIN5 (GND), PIN6 (DI input port) of RJ45.
 - c.The RS485 interface can only be connected to the export limit meter.



2) Connect meter according to the diagram below:



Starting The Inverter

Turn on inverter

- 1) Turn on inverter DC switch to “ON” position.
- 2) Close the DC and AC circuit breaker.

Commissioning

- 1) Language setting
Long press the function button to enter the “set language” interface, hit function button less than 1s to choose the language and long press the function button to confirm the setting.

Set Language
factory Set

- 2) Country setting
Long press the function button to enter the “set country” interface, hit function button less than 1s to choose the country and long press the function button to confirm the setting.

Set Country
factory Set