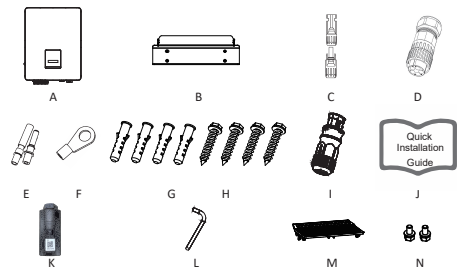


## 1. Packing List



| Object          | Quantity | Description   | Object          | Quantity | Description                       |
|-----------------|----------|---|-----------------|----------|-----------------------------------|
| A               | 1        | Inverter  | H               | 4        | Expansion screw                   |
| B               | 1        | Bracket   | I <sup>1)</sup> | 1        | Communication connector           |
| C <sup>2)</sup> | 4/8      | DC connector (F*2/4, M*2/4)                                 | J               | 1        | Quick installation guide          |
| D               | 1        | AC connector  | K               | 1        | WIFI/4G (Optional)                |
| E <sup>2)</sup> | 4/8      | DC pin contact (positive contact*2/4, negative contact*2/4) | L               | 1        | Screwdriver                       |
| F               | 1        | Earth terminal  | M               | 1        | Filter (for fan cooling inverter) |
| G               | 4        | Expansion tube  | N               | 2        | Screw                             |

Note:1)For the communication connector, three different type connectors are possible.

Please refer to chapter 6.3 of User Manual for detail information.

2)In different type of model, the number of DC connector and DC pin contact in the package is different, please refer to the User Manual page 10 for more details.

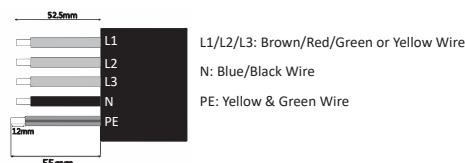
## 3. Wiring Steps

## AC Wiring

## Cable dimensions

| Power (kW)    | 3.0                  | 4.0 | 5.0 | 6.0 | 8.0                | 10.0 | 12.0 | 15.0                | 17.0 | 20.0 | 23.0              | 25.0 |
|---------------|----------------------|-----|-----|-----|--------------------|------|------|---------------------|------|------|-------------------|------|
| Cable         | 2.5~6mm <sup>2</sup> |     |     |     | 4~6mm <sup>2</sup> |      |      | 6~10mm <sup>2</sup> |      |      | 10mm <sup>2</sup> |      |
| Micro-Breaker | 25A                  |     |     |     | 32A                |      |      | 40A                 |      |      | 63A               |      |

- 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.



Note: Please refer to local cable type and color for actual installation.

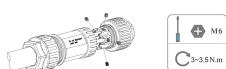
- Separate the AC plug into three parts.



- Insert the sleeve assembly into the cable.

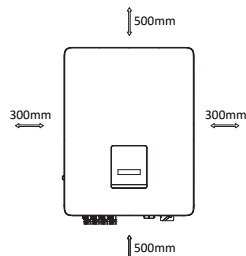


- Install the copper wire into the plug terminal and lock the screw.



## 2. Inverter Installation

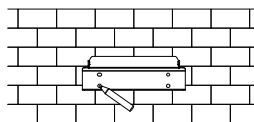
Please make sure the inverter will be installed with a proper distance as shown below.



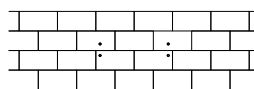
| Position | Min Size |
|----------|----------|
| Left     | 300mm    |
| Right    | 300mm    |
| Top      | 500mm    |
| Bottom   | 500mm    |
| Front    | 500mm    |

## Step 1: Fix the bracket on the wall

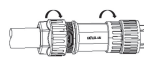
Choose the place you want to install the inverter. Place the bracket on the wall and mark the position of the 4 holes from bracket.



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



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

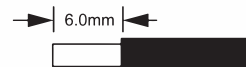


- Insert the plug assembly into the socket (inverter end) and lock each other by the coupling twist.

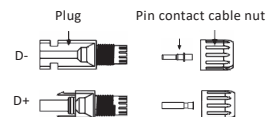


## DC Wiring

- Turn off the DC switch.
- Choose 2.5 mm<sup>2</sup> wire to connect the PV module.
- Trim 6mm of insulation from the wire end.



- Separate the DC connector as below.

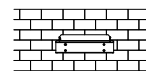


- Insert striped cable into pin contact and ensure all conductor strands are captured in the pin contact.

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

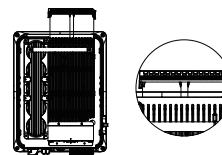


Insert the expansion tubes into the holes and tighten them. Install the bracket with the expansion screws.

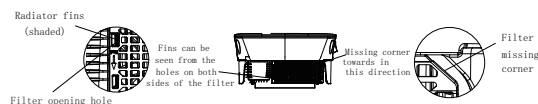


## Step 2: Install the filter on top side (for fan cooling inverter)

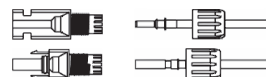
Put the filter into the right position as shown by below figure. Align the long legs on both side of the filter with the outermost fin.



Please keep the top of filter flush with the back of inverter. Please adjust to the position where the lateral fins can be seen from the holes on both sides of the filter according to the figure in which the arrow towards to the wall.

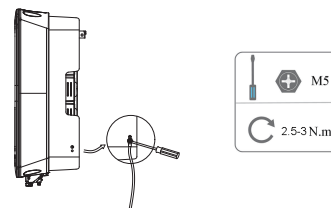


- Insert pin contact through the cable nut to assemble into back of the male or female plug. When you feel or hear a "click" the pin contact assembly is seated correctly.



## Grounding Wiring

Screw the ground screw with screwdriver as shown below.



## Communication and Monitoring

This series of inverters provide three RS485 ports. RS485-1 can be used to monitor the inverter. RS485-2 can be used to connect to a smart meter to implement the stand-alone anti-backflow function. RS485-3 can be used for multiple inverters in parallel.

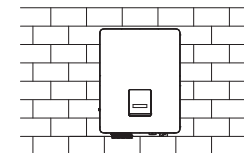
Please refer to manual description for interface details.

Press the filter down from the top. Check if all fins are covered by filter. Ensure that the filter is installed and secured in right position.

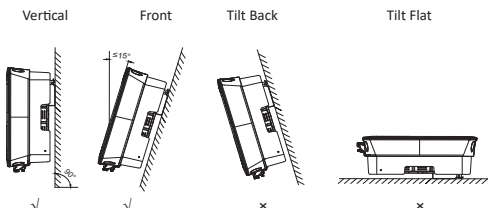


## Step 3: Match the inverter with wall bracket

Mount the inverter to the bracket. Secure the inverter with the M5 screw and washer.



Please refer to the correct installation method to insatall:



## 4. Startup Procedure

- After checking all connections are correct, turn on the external DC /AC breakers.
  - Turn the DC switch to "ON" position.
  - Inverter will start automatically when PV panels generate enough energy, the LED will flash.
  - Complete inverter Start-up guide  
After the initial start-up the inverter, display will go to the language settings page, short press to switch language and long press to confirm selection. Once language set, display will guide to set the safety regulation. Short press to switch safety regulation, and long press to confirm selection.
- Note:
- Please select the correct country code.
  - Set the time on the inverter using the button or by using the APP.
  - Please DO NOT apply USB3.0 on inverter USB port, the inverter USB port only support for USB2.0.

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