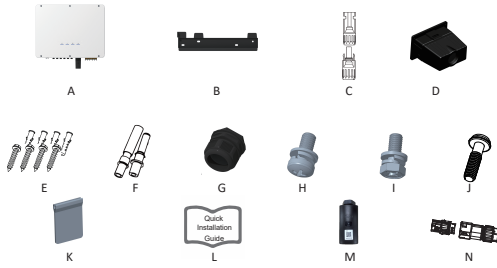


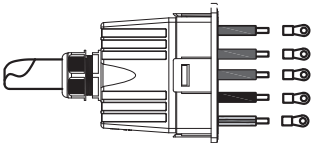
1. Packing List



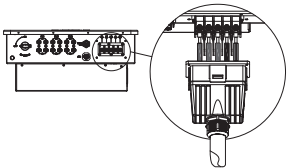
Object	Quantity	Description	Object	Quantity	Description
A	1	Inverter	H	1	Screw
B	1	Bracket	I	1	PE screw
C	12	PV terminal (positive shell*6, negative shell*6)	J	4	Waterproof cover screws (M4*15)
D	1	AC Terminal Waterproof Cover	K	4	AC terminal insulation sheet
E	8	Expansion tube*4, Expansion screw*4	L	1	Quick installation guide
F	12	PV terminal (positive core*6, negative core*6)	M	1	WiFi/4G (optional)
G	1	M40 Waterproof head	N	1	Communication connector

AC connection steps:

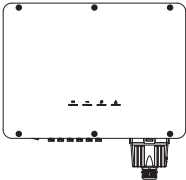
1.Connect the 5 wires of the grid (L1, L2, L3 wires, PE and N wires) through the AC waterproof cover, then crimp the terminals.



2.Lock the AC cable on the corresponding AC terminal by thread locking (5.7N·m).

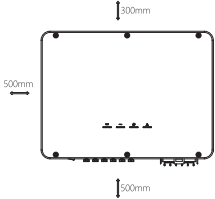


3.Lock the waterproof connector on the waterproof cover, and finally lock the waterproof cover with M4*15 (1.6-2.0N.m) screws (in the accessories) outside the AC terminals of the inverter.



2. Inverter Installation

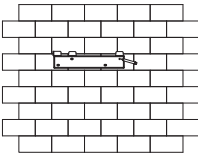
Please make sure the inverter will be installed with a proper distance as shown below.



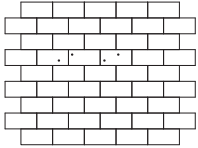
Position	Min Size
Left	500mm
Right	500mm
Top	300mm
Bottom	500mm
Front	500mm

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.

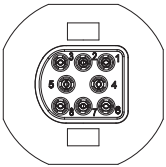


Drill the holes with an 8 mm diameter drill, making sure that the holes are at least 50 mm deep, and then tighten the expansion tubes.



Communication and Monitoring

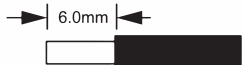
This series of inverters features an optionally mounted 8Pin communication port with a maximum torque of 0.2N·m on the locking line.The client signal line port is shown below:



PIN	Definition	Feature description
1	RS485B4	RS485 communication port2
2	RS485A4	
3	RS485B3	Meter communication
4	RS485A3	
5	RS485B2	RS485 communication port1
6	RS485B1	
7	RS485A2	
8	RS485A1	

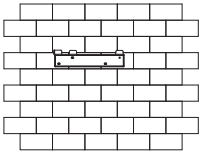
DC Wiring

- Turn off the DC switch.
- Choose 4~6 mm² wire to connect the PV module.
- Trim 6mm of insulation from the wire end.



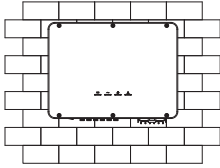
- Separate the DC connector as below.

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

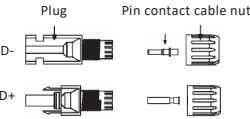
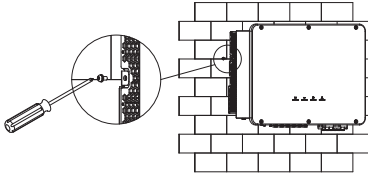


Step 2: Assembling the inverter with the wall plate

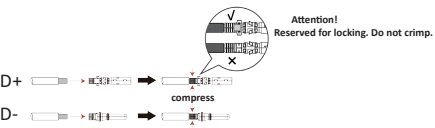
Hang the inverter on the wall plate, making sure the inverter is in place with the wall plate.



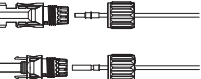
Lock inverter set screws.



- 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.



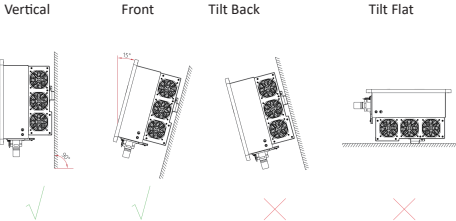
- Insert pin contact through the cable nut to assemble into back of the male or female plug. When you feel or hear a "click" the pin contact assembly is seated correctly.



Grounding Wiring

Screw the grounding screw with screwdriver as shown below.

Please refer to the correct installation method for installation:



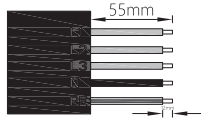
3. Wiring Steps

AC Wiring

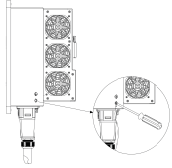
Cable dimensions

Power (kW)	30.0	33.0	36.0	40.0
Cable	14~20mm ²			
Micro-Breaker	80A	80 A	100A	100A

- Trim all phase, neutral and PE wires to 55mm.
- Use the crimping pliers to trim 12mm of insulation from all wire ends as below.



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



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 power, the LED will flash.

Note:

Please DO NOT apply USB3.0 on inverter USB port, the inverter USB port only support for USB2.0.

Please scan the QR Code and follow the steps below to download our latest multi-language User Manual/Quick Installation Guide:

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