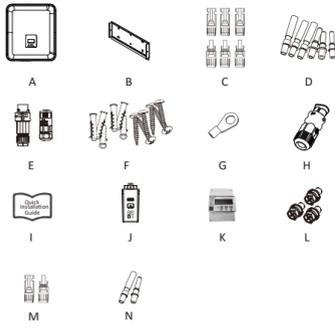


1. Packing List

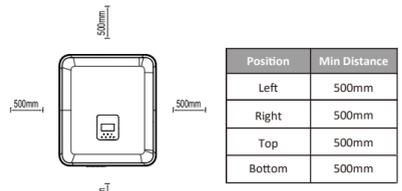


Object	Quantity	Description	Object	Quantity	Description
A	1	Inverter	H	1	Communication connector
B	2	Brackets	I	1	Quick installation guide
C	6	PV connectors (Only for H3) (3*positive, 3*negative)	J	1	WIFI/LAN/GPRS (Optional)
D	6	PV pin contacts (Only for H3) (3*positive, 3*negative)	K	1	Meter
E	2	AC connectors	L	3	Hexagonal screws
F	6	Expansion tubes & Expansion screws	M	2	Battery connectors (1*positive, 1*negative)
G	1	Earth terminal	N	2	Battery pin contacts (1*positive, 1*negative)

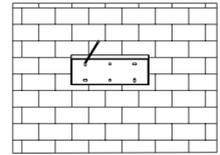
2. Installation Steps

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

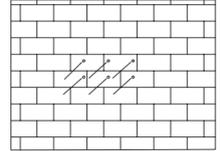
Step1: Choose the right location



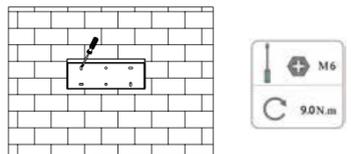
Step2: Mark the position



Step3: Drill the 6 holes with a ø8 drill bit. Depth: at least 50mm Hammer the expansion tubes

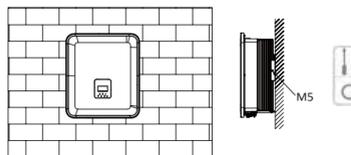


Installing the Bracket Screw the expansion bolts



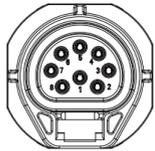
Step4: Match the inverter with bracket

Lock the screws on the side Make sure the inverter is firmly attached



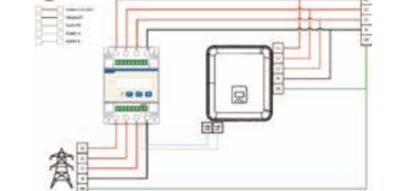
3. Serial Port Connections

Meter and RS485 should be connected to inverter by the connector illustrated in the figure below. All ports in connector should connect to the corresponding ports on inverter



PIN	1	2	3	4	5	6	7	8
Meter/ 485	Logger 485A	Logger 485B	Meter 485B	Meter 485A	/	/	RY_CON	+12V

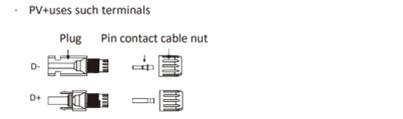
Note:  
1. Compatible Meter type: DTSU666 (CHINT).  
2. For other pin definitions, please refer to the user manual.  
3. Communication A and B are marked on the side of the meter;



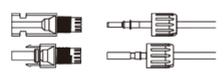
Please be noted that the load/inverter connections and grid connections are illustrated in the figure below. Port 10 is specifically for neutral connection.

4. DC Connection

Choose 12 AWG wire to connect the PV Prepare AC wire as shown



Press the wire and terminal tightly with a wire clamp Insert pin into the male or female plug. Until hear a "click" Tighten the nut on the terminal

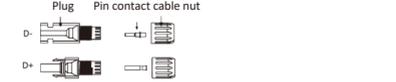
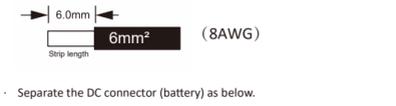


BAT Connection  
BAT cable is in the BMS package and is recommended Connect the BAT of the inverter and the battery port of the BMS with a power cable Communication with BMS, BMS communication line needs to be shorter than 10m Assemble the gland and screw the nut. Min. operating voltage of the BAT is 120V

PIN	1	2	3	4	5	6	7	8
Definition	GND	GND	BMS-485B	BMS-CANL	BMS-CANH	BMS-CANH	BMS-CANL	BMS-485A

Unlock the DC connector: Use the specified wrench tool. When separating the DC+ connector, push the tool down from the top. When separating the DC- connector, push the tool down from the bottom. Separate the connectors by hand.

Battery Wiring  
Turn off the DC switch. Choose 8 AWG wire to connect the battery. Trim 6mm of insulation from the wire end.



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.

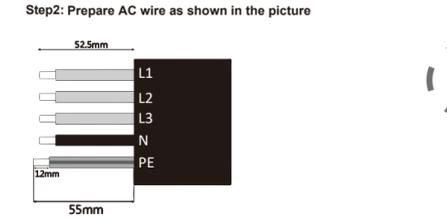


Unlock the DC connector: Use the specified wrench tool. When separating the DC+ connector, push the tool down from the top. When separating the DC- connector, push the tool down from the bottom. Separate the connectors by hand.

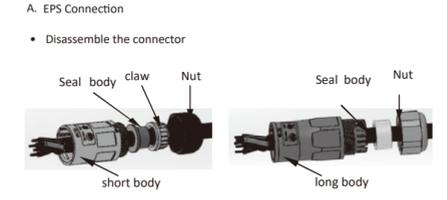
AC Connection

Step1: Cable dimensions

Modell (kW)	5.0	6.0	8.0	10.0	12.0
Cable (ON-GRID)	4.0-6.0mm²	4.0-6.0mm²	4.0-6.0mm²	4.0-6.0mm²	4.0-6.0mm²
Cable (EPS)	4.0-6.0mm²	4.0-6.0mm²	4.0-6.0mm²	4.0-6.0mm²	4.0-6.0mm²
Micro-Breaker	63A	63A	63A	63A	63A

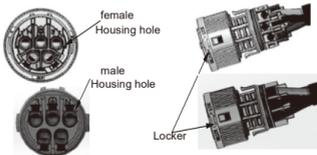


L1/L2/L3: Brown/Red/Green or Yellow Wire  
N: Blue/Black Wire  
PE: Yellow & Green Wire  
Note: Please refer to local cable type and color for actual installation.



# QUICK INSTALLATION GUIDE

Tighten the wire with a screwdriver



Push Housing into Body, Hear a click Tighten the nut on the terminal



Put the sealing body and yarn trapper into the main body, screw the lock nut into the main body, and the torque is (2.5 + / - 0.5N.m).



Insert the male end into the female end. For the rotation direction of the lock, please refer to the LOCK mark on the assembly.



Insert the connector onto the EPS rotate it to lock it



B. GRID Wiring

Separate the ON-GRID plug into three parts as below.  
1. Hold the middle part of the female insert, rotate the back shell to loosen it, and detach it from female inset.  
2. Remove the cable nut (with rubber insert) from the back shell.



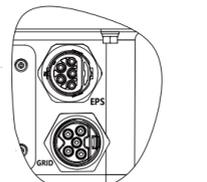
Slide the cable nut and then the back shell onto the cable.



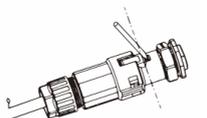
Push the threaded sleeve into the socket, tighten up the cap on the terminal.



Push the threaded sleeve to connection terminal until both are locked tightly on the inverter.



Remove the GRID connector: Press the bayonet out of the slot with a small screwdriver or the unlock tool and pull it out, or unscrew the threaded sleeve, then pull it out.



Grounding Wiring  
Trim 6mm of insulation from the wire end.



Insert striped cable into earth terminal and ensure all conductor strands are captured in the earth terminal. Crimp earth terminal by using a crimping plier. Put the earth terminal with striped cable into the corresponding crimping pliers and crimp the contact.

Use the crimping pliers to press the ground cable into the ground terminal, screw the ground screw with screwdriver as shown below.



5. Inverter Start-Up

Please refer to the following steps to start up the inverter.

- Ensure the inverter fixed well.
- Make sure all wirings are completed.
- Make sure the meter is connected well.
- Make sure the battery is connected well.
- Make sure the external EPS contactor is connected well (if needed).
- Make sure the BMS buttons and battery switch are off.
- Turn on the PV/DC switch (for Hybrid version only), AC breaker, EPS breaker and battery breaker.
- If the main page shows "switch off", please long press "Y" bottom to quickly go to the START/STOP page and set it to start. (Enter the settings page, default password is '0000').

Note:  
When starting inverter for the first time, the country code will be set by default to the local settings. Check if the country code is correct. Set the time on the inverter using the button or by using the APP.

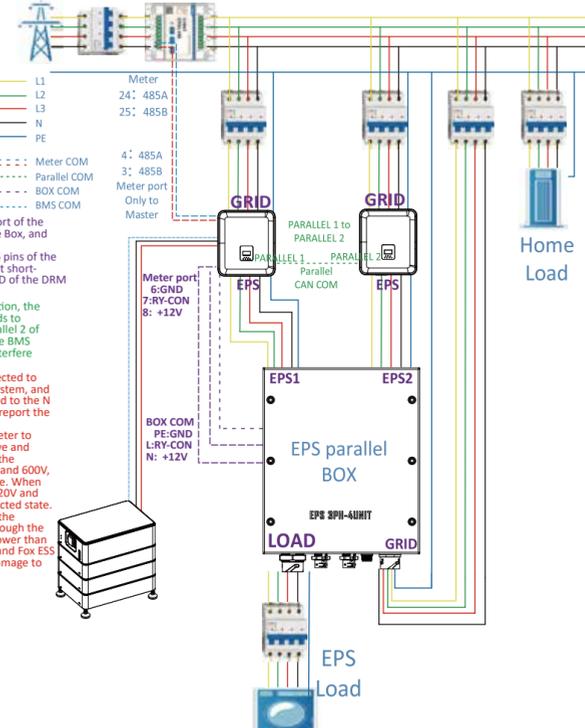
6. Inverter Switch Off

Please refer to the following steps to switch off the inverter.

- Enter the settings page, select START / STOP and set it to stop.
- Turn off the PV/DC switch (for Hybrid version only), AC breaker, EPS breaker and battery breaker.
- Wait 5 min before you open the upper lid (if in need of repair).

Note:  
1. The ethernet port under inverter is only for local monitoring use (Via register), LAN connection need to purchase a separate product Smart LAN.  
2. The inverter installation in complete. For battery installation, please refer to battery quick installation guide.

System diagram



Please scan the QR Code and follow the steps below to download our latest multi-language User Manual/Quick Installation Guide:  
Scan the QR Code → Select your Language → Choose to download User Manual or Quick Installation Guide → Download

