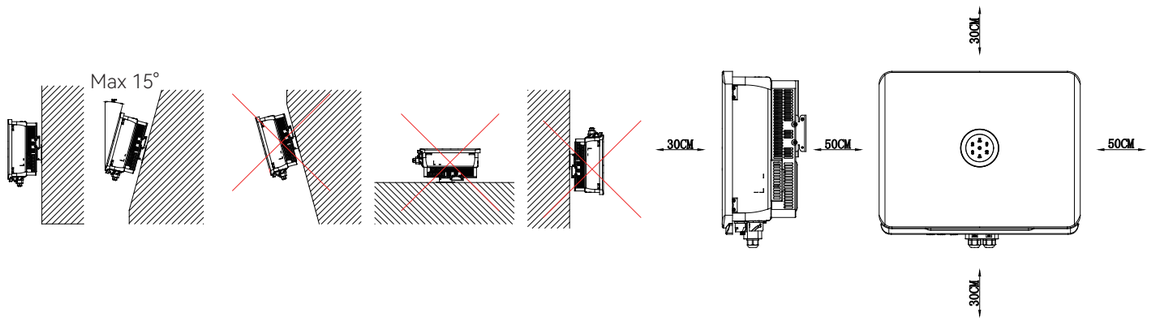
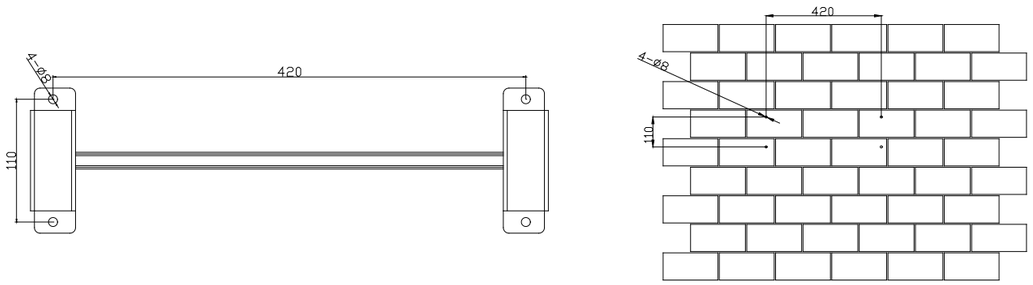
Inverter Quick Installation Guide

This installation guide is applicable to H2-5-10K-T2 inverter

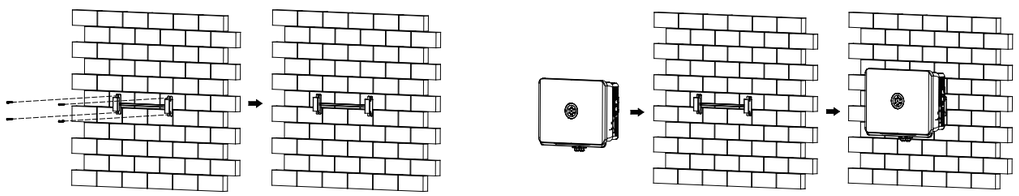
1. Installation ways and gaps



2. Hanging panel size and drill hole

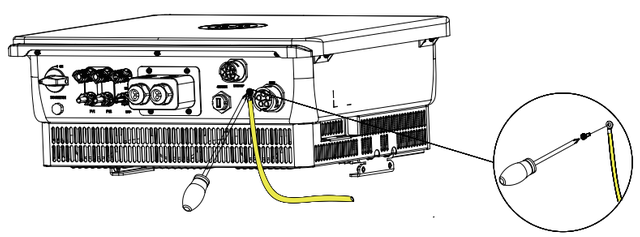


3. Inverter installation



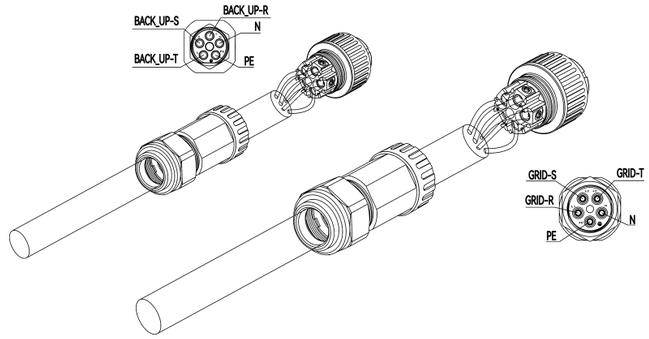
4. Additional grounding protection

Remove the screw on the ground terminal and secure the cable with a screwdriver.

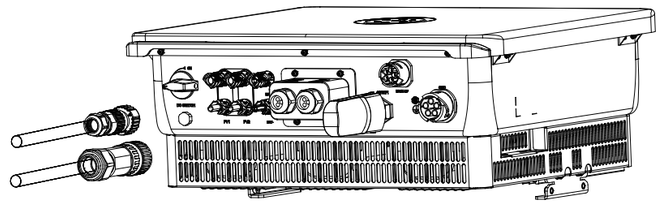


5. AC side electrical connection

Conductor cross-sectional area of cables(mm²)	
Scope	Recommended value
6.0-8.0	6.0



1. Open the waterproof cover, feed the AC cable through the AC waterproof hole.
2. Fix the cables according to conductor marks of L, N and PE.



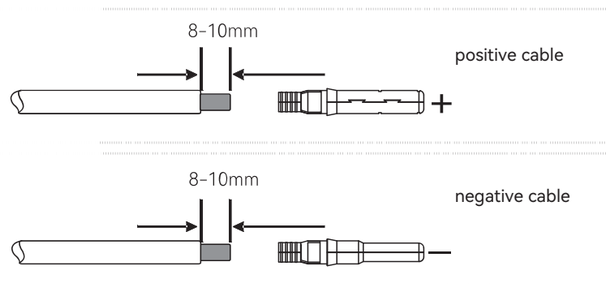
3. Secure all parts of the grid and backup connector tightly.

6. PV connection

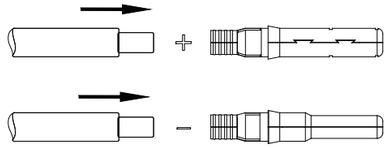
Conductor cross-sectional area of cables(mm²)	
Scope	Recommended value
4.0-6.0	4.0

Connecting Procedures:

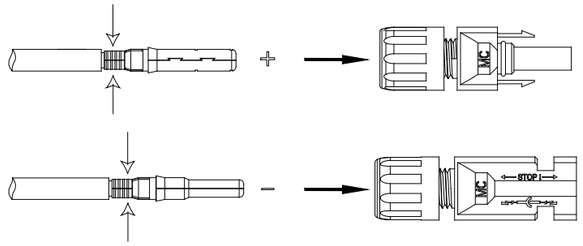
1. Loosen the lock screws on the positive and negative connector.
2. Strip the insulation of the positive and negative cables with 8 to 10mm on length.



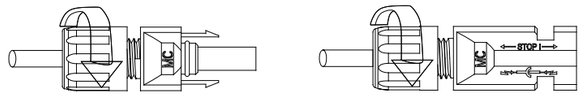
3. Assembly the positive and negative cables with corresponding crimping pliers.



4. Insert the positive and negative cable into positive and negative connector. Gently pull the cables backward to ensure firm connection.



5.Fasten the lock screws on positive and negative connectors.



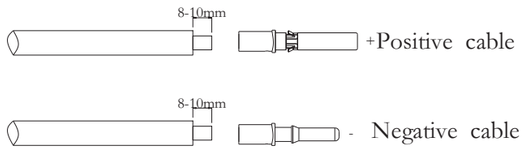
6.Make sure the DC switch is at OFF position.

7.Connect the positive and negative connectors into positive and negative DC input terminals of the inverter, a “click” should be heard or felt when the contact cable assembly is seated correctly.

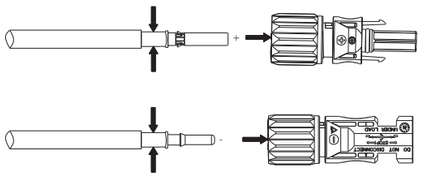
7. Battery connection

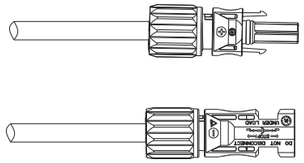
Connecting Procedures:

1. Use specified strip tool to strip the insulated enclosure of the positive and negative cables with appropriate length (8-10mm).

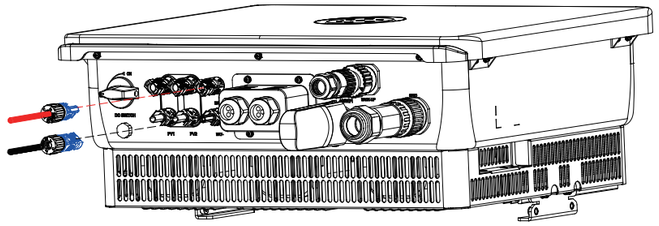


2. Feed the positive and negative cables into corresponding lock screws and crimp them tightly with a wire crimper. Make sure that the withdrawal force of the pressed cable is larger than 400N.
3. Plug in the pressed positive and negative cables into relevant insulated enclosure, a “click” sound should be heard when the contact cable assembly is seated correctly.
4. Fasten the lock screws on positive and negative connectors into corresponding insulated enclosure and make them tight.



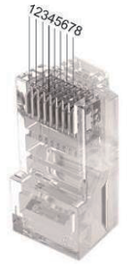


Fix the battery cable on the battery copper terminal by positive and negative in order.



8. Communication connection

The meter can only be connected at the signal port of RS485-A1+/B1-.



EMS/METER	
1	RS485-A1+
2	RS485-B1-
3	NC
4	NC
5	NC
6	NC
7	RS485-A2+
8	RS485-B2-

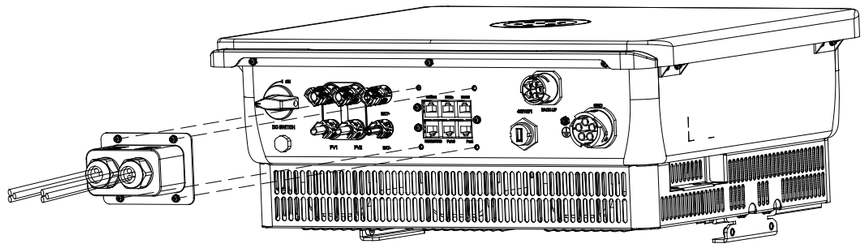
RS485	
1	RS485-A1+
2	RS485-B1-
3	NC
4	NC
5	NC
6	NC
7	RS485-A2+
8	RS485-B2-

PORT0	
1	NC
2	NC
3	NC
4	NC
5	NC
6	NC
7	NC
8	NC

DRM	
1	DRM 1/5
2	DRM 2/6
3	DRM 3/7
4	DRM 4/8
5	RefGen
6	Com/DRM 0
7	V+
8	V-

CAN/BMS	
1	NC
2	NC
3	NC
4	CANH
5	CANL
6	NC
7	NC
8	NC

PORT1	
1	NC
2	NC
3	NC
4	NC
5	NC
6	NC
7	NC
8	NC



Open the waterproof cover, pass the prepared communication cable through each component, insert corresponding communication port, then tighten the screws.