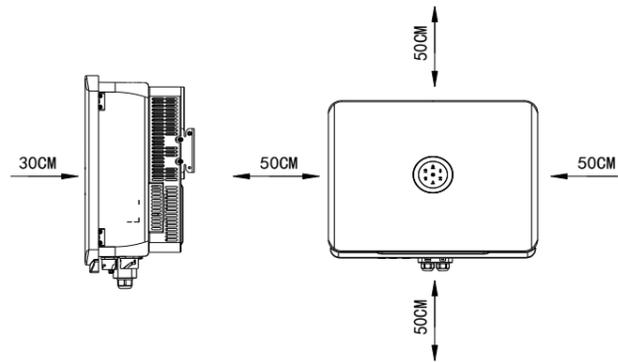
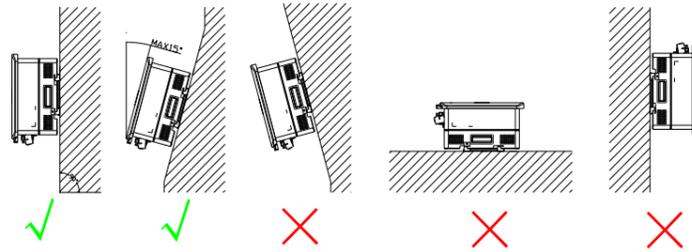


H2-(5K-10K)-T2 Inverter Quick Installation Guide

For more information, refer to the inverter user manual.

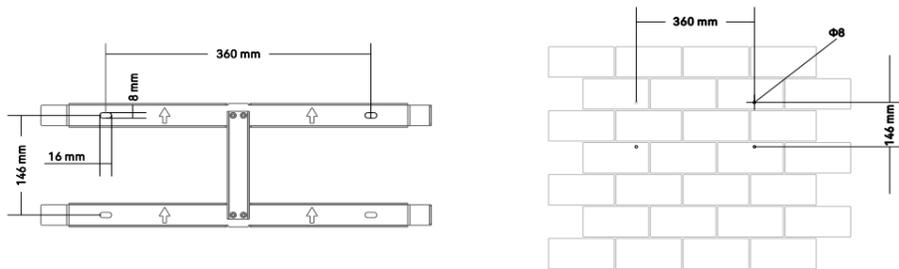
1. Checking installation ways and gaps



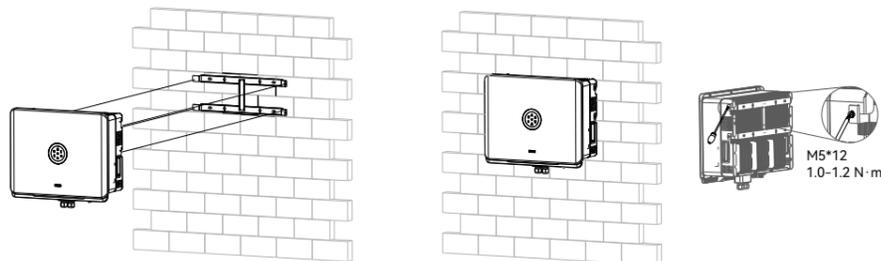
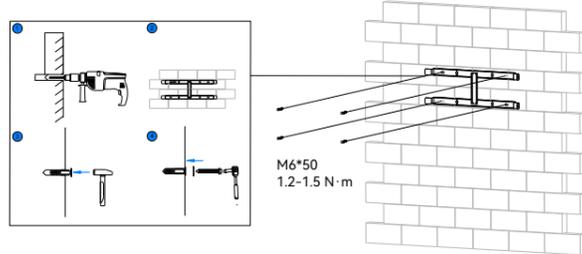
2. Installing the inverter

1. Determine the installation position and drill holes on the wall.

Note: If required, reserve enough distance at the inverter bottom for installing the metal cable conduits.

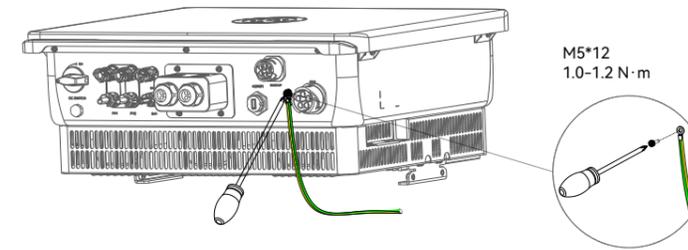


2. Drill holes and fix the mounting plate to the wall. Mount the inverter to the plate.



3. Performing grounding protection

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



4. Installing the battery

Install the battery. For details, refer to the battery user manual.

5. Installing a 32A circuit breaker and an RCD (if required) and Connecting the Smart Meter

For details, refer to the related sections in chapter “Electrical Connection” in the inverter user manual.

6. Assembling the AC-side electrical connection

Select cables according to the below specification.

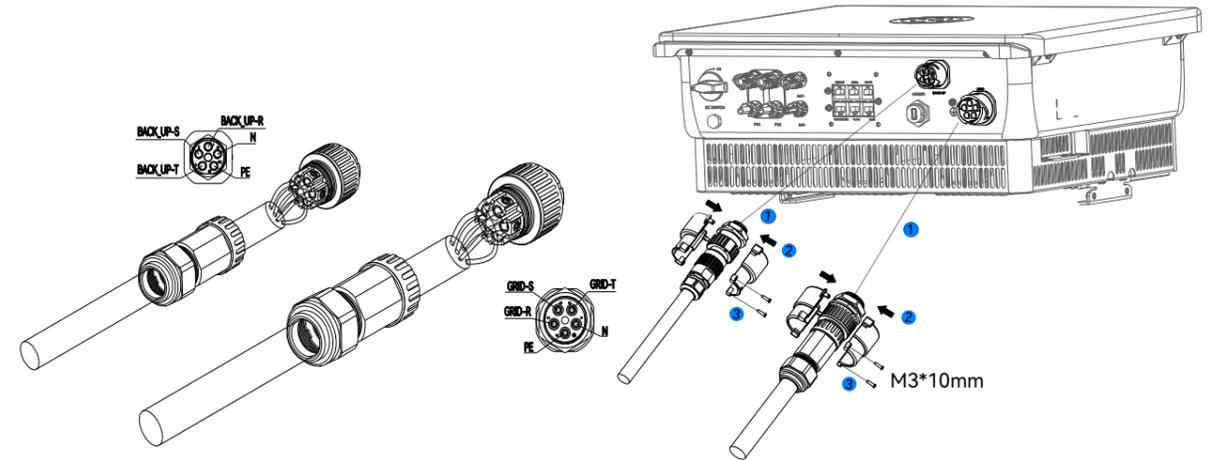
Specification	Range	Recommended value	Additional grounding cable cross-sectional area (mm ²): 4
Conductor cross-sectional area of cables (mm ²)	2.5 – 6.0	4.0	
External diameter (mm)	8 – 14	14	

1. Open the cable gland, insert cables through the hole, and connect the cables to the L1, L2, L3, PE, and N terminals.

ATTENTION: (Australia only) Do NOT connect the PE terminal of the BACK-UP port.

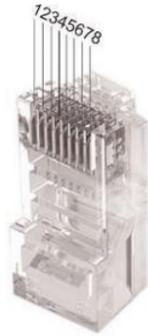
2. Connect the cables to the BACK-UP and GRID ports on the inverter.

- ① Insert the cables and tighten the locknut in each cable.
- ② Install the protective covers to the cable connectors.
- ③ Tighten two screws to secure each connector tightly.



7. Assembling the communication connection

Prepare required cables based on pin definitions in the following table:



BMS/CAN		DRMs		RS485	
1	NC	1	DRM 1/5	1	NC
2	NC	2	DRM 2/6	2	NC
3	NC	3	DRM 3/7	3	NC
4	CANH	4	DRM 4/8	4	NC
5	CANL	5	RefGen	5	NC
6	NC	6	Com/DRM 0	6	NC
7	NC	7	NC	7	RS485-A2+
8	NC	8	NC	8	RS485-B2-

EMS/METER		PORT0		PORT1	
1	RS485-A1+	1	NC	1	NC
2	RS485-B1-	2	NC	2	NC
3	NC	3	NC	3	NC
4	NC	4	NC	4	NC
5	NC	5	NC	5	NC
6	NC	6	NC	6	NC
7	NC	7	NC	7	NC
8	NC	8	NC	8	NC

ATTENTION: For the EMS/METER port, only use pin 1 **RS485-A1+** and pin 2 **RS485-B1-** of the meter cable for connection.

Step	Illustration
<p>Communication cables:</p> <ol style="list-style-type: none"> Loosen the waterproof cover from the inverter. Loosen the nut from the cable gland on the waterproof cover. Insert the communication cables through the nut and then the cable gland. Insert the cables into the corresponding communication ports. Tighten screws to secure the waterproof cover to the inverter. Tighten the nut back to the cable gland. <p>Communication module:</p> <ol style="list-style-type: none"> Open the cover on the 4G/WIFI port. Insert the communication module to the 4G/WIFI port and secure the module by rotating the nut. 	<p>M4*10 0.6-0.8 N·m</p>

8. Connecting the battery to the inverter

Select cables according to the below specification.

Conductor cross-sectional area of cables (mm ²)	Range	Recommended value
	4.0 – 6.0	5.0

Step	Illustration
<ol style="list-style-type: none"> Get the waterproof cover from the accessory bag and cut holes in the rubber plug. Insert the cables through the hole. Strip the insulation (8 – 10 mm length) on the positive and negative cable ends. 	<p>8 – 10 mm</p>
<ol style="list-style-type: none"> Assembly the positive and negative cables with the crimping pliers. 	
<ol style="list-style-type: none"> Insert the positive and negative cables into the blue positive and negative battery connectors. Gently pull the cables backwards to ensure firm connection. 	

<ol style="list-style-type: none"> Tighten the lock screws on the positive and negative connectors. 	
<ol style="list-style-type: none"> Connect the BMS to the BAT+ and BAT- ports on the inverter. 	

9. Assembling the PV-side electrical connection

Select cables according to the below specification. For details, refer to the inverter user manual.

Specification	Range	Recommended value
Conductor cross-sectional area of cables (mm ²)	4.0 – 6.0	4.0
External diameter (mm)	4.2 – 5.3	5.3

Step	Illustration
<ol style="list-style-type: none"> Prepare cables by referring to similar operations in steps 1 –4 in section 8 for preparing the battery cables. Ensure that the DC switch is in OFF position. For further safety consideration, use a reliable tool (such as a lock with a key) to lock the switch, so that others cannot unlock it easily. 	
<ol style="list-style-type: none"> Connect the positive and negative connectors into the positive and negative DC input terminals of the inverter. After you hear a “click” sound, the contact cable assembly is seated correctly. 	
<ol style="list-style-type: none"> Install the waterproof cover for PV and battery ports. 	<p>M4*10 0.6-0.8 N·m</p>

10. Performing subsequent operations

- (Optional) To set the export limitation function, connect and set the smart meter. For details, refer to the user manual.
- Unlock and turn on the DC switch on the inverter.
- Turn on the battery switch.
- Turn on the breaker on the grid side.
- Perform configuration commissioning on the eSAJ Home App. For details, refer to the *Configuration Instructions*.

Installer: _____