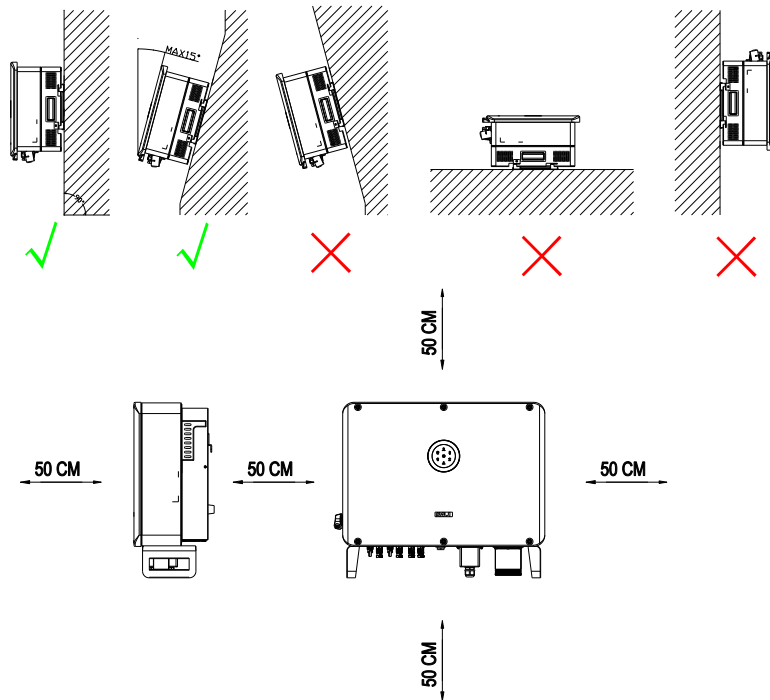


## H2-(10K-30K)-(T2, T3)-AU Inverter Quick Installation Guide

For more information, refer to the inverter user manual.

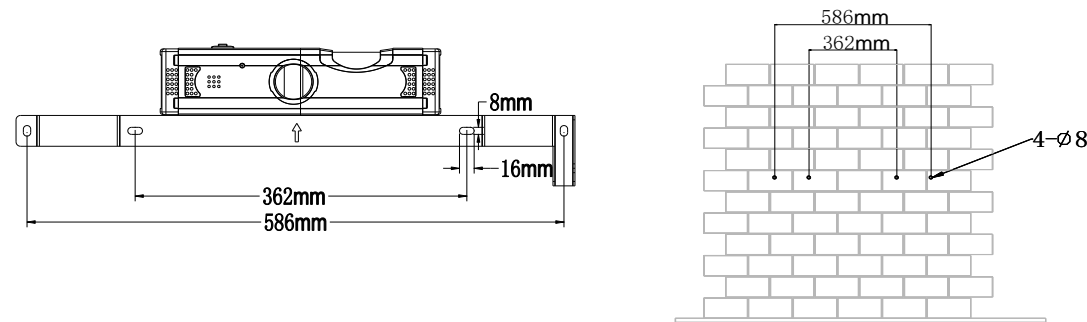
### 1. Checking installation ways and gaps



### 2. Installing the inverter

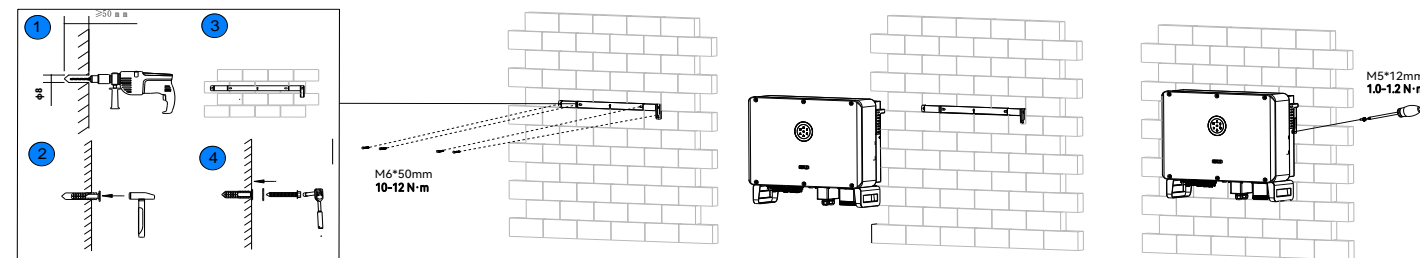
- Place the wall bracket horizontally against the wall with a gradienter, mark the position of holes with a marker.

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



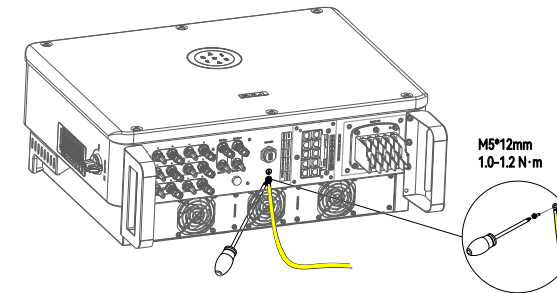
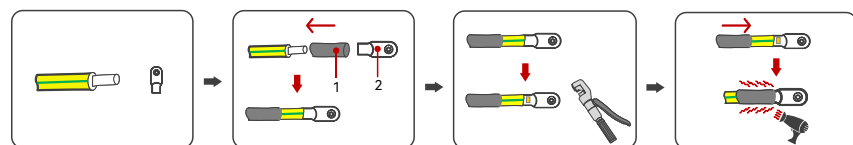
- Fix the mounting plate to the wall.

Mount the inverter to the plate. Secure the inverter.



### 3. Performing grounding protection

Prepare the cable. Remove the screw on the ground terminal and secure the cable.



### 4. Installing the battery

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

### 5. Installing a circuit breaker and an RCD (if required) and connecting the smart meter

**Note:** Do NOT connect multiple inverters to one AC circuit breaker.

Inverter	Recommended breaker
H2-(10K-20K)-(T2, T3)-AU	50 A
H2-(25K-30K)-T3-AU	63 A

### 6. Assembling the AC-side electrical connection

Prepare cables according to the below specification.

Conductor cross-sectional area of cables (mm <sup>2</sup> )	Range	Recommended value	Additional grounding cable cross-sectional area (mm <sup>2</sup> )
	10-16	16	16

Step	Illustration
<ol style="list-style-type: none"> <li>Loosen the nut from the cable gland on the waterproof cover.</li> <li>Insert the AC cable through both the nut and the cable gland.</li> <li>Connect the cables to the conductors L1, L2, L3, N, and PE.</li> <li>Secure the waterproof cover to the inverter.</li> <li>Tighten the nut back to the cable gland.</li> </ol>	

### 7. Assembling the communication connection

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

EMS/METER		RS485_PC1/RS485_PC2		DRM	
1	NC	1	NC	1	DRM 1/5
2	NC	2	NC	2	DRM 2/6
3	NC	3	NC	3	DRM 3/7
4	NC	4	NC	4	DRM 4/8
5	NC	5	NC	5	RefGen
6	NC	6	NC	6	Com/DRM 0
7	RS485-A	7	RS485-A	7	V+
8	RS485-B	8	RS485-B	8	V-

CAN1/CAN2		PART1/ PART2		LAN	
1	NC	1	CANH PAR	1	TX+
2	NC	2	CANL PAR	2	TX-
3	NC	3	NC	3	RX+
4	CANH	4	SYN-BUS+	4	NC
5	CANL	5	NC	5	NC
6	NC	6	HOST-BUS+	6	RX-
7	NC	7	NC	7	NC
8	NC	8	TRF-BUS+	8	NC



**Note:** Two stacks of battery packs are supported. You can connect them to CAN 1 or CAN2.

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

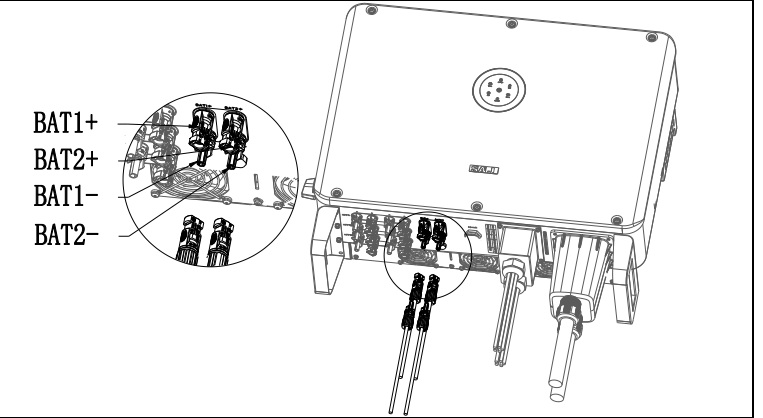
## 8. Connecting the battery to the inverter

Select cables according to the below specification.

Conductor cross-sectional area of cables (mm <sup>2</sup> )	Range	Recommended value
	8 - 10	8

1. Strip the insulation (8 - 10 mm length) on the positive and negative cable ends.	
2. Assemble the positive and negative cables with the crimping pliers.	
3. Insert the positive and negative cables into the positive and negative connectors. Gently pull the cables backwards to ensure firm connection.	
4. Tighten the lock screws on the positive and negative connectors.	

5. Connect the cables from the BMS to the inverter.



## 9. Assembling the PV-side electrical connection

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

Conductor cross-sectional area of cables (mm <sup>2</sup> )	Range	Recommended value	Conductor material
	4.0 - 6.0	4.0	Outdoor copper wire cable, complying with 1000 V DC

Step	Illustration
1. Prepare cables by referring to similar operations in steps 1 - 4 in section 8 for preparing the battery cables.	
2. Ensure that the DC switch is turned off. Depending on your model configuration, the switch might look different.	
3. 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.	
4. Install the waterproof cover for PV and battery ports. Tighten the screws.	

## 10. Performing subsequent operations

- (Optional) To set the export limitation function, connect and set the smart meter. For details, refer to the user manual.
- 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 Elekeeper App. For details, see the inverter user manual.

Installer: \_\_\_\_\_