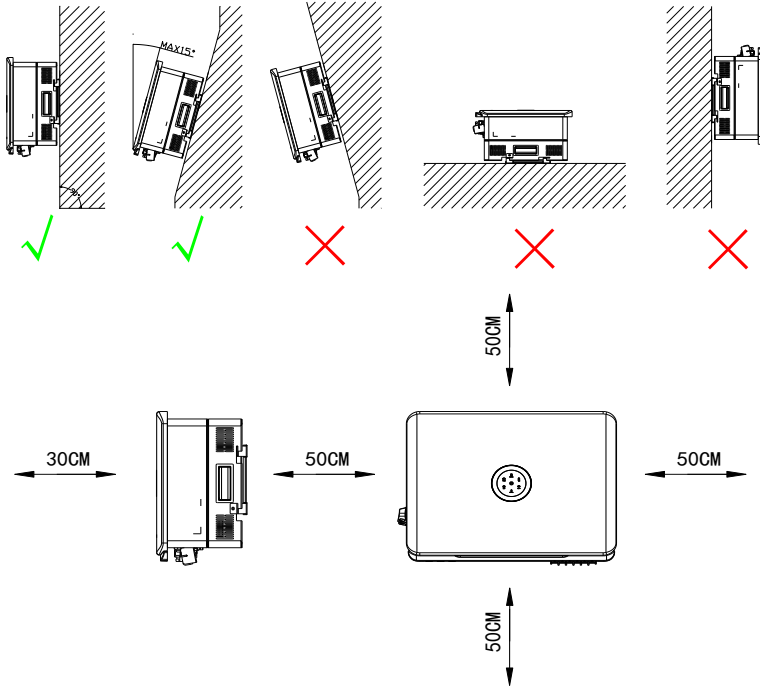


H2-(5K-10K)-S3 Inverter Quick Installation Guide

For safety and detailed information, refer to the inverter user manual.

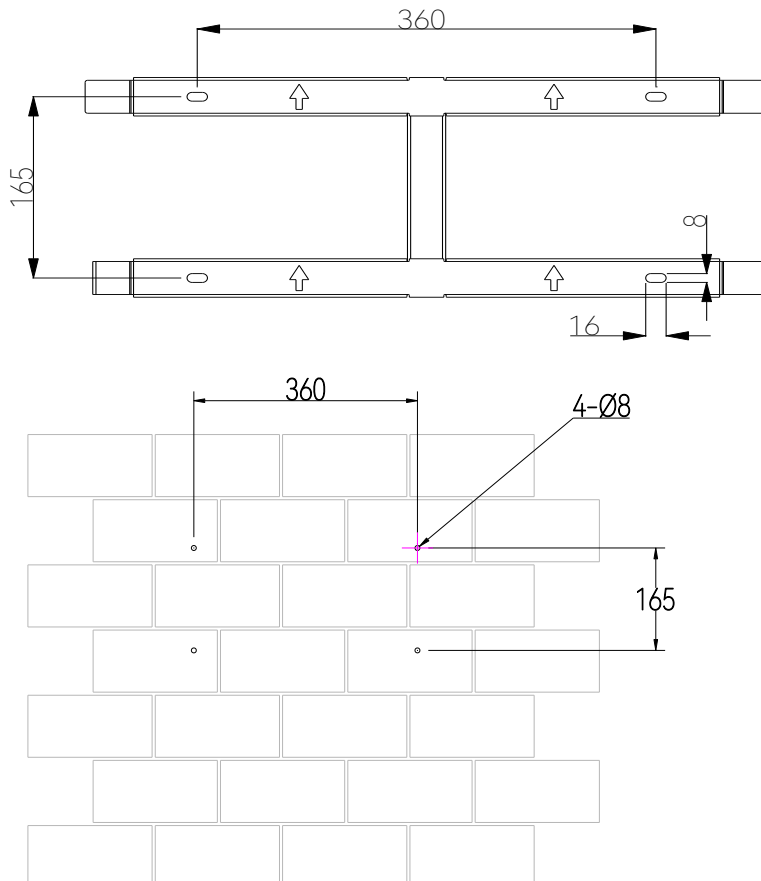
1. Checking Installation Ways and Gaps



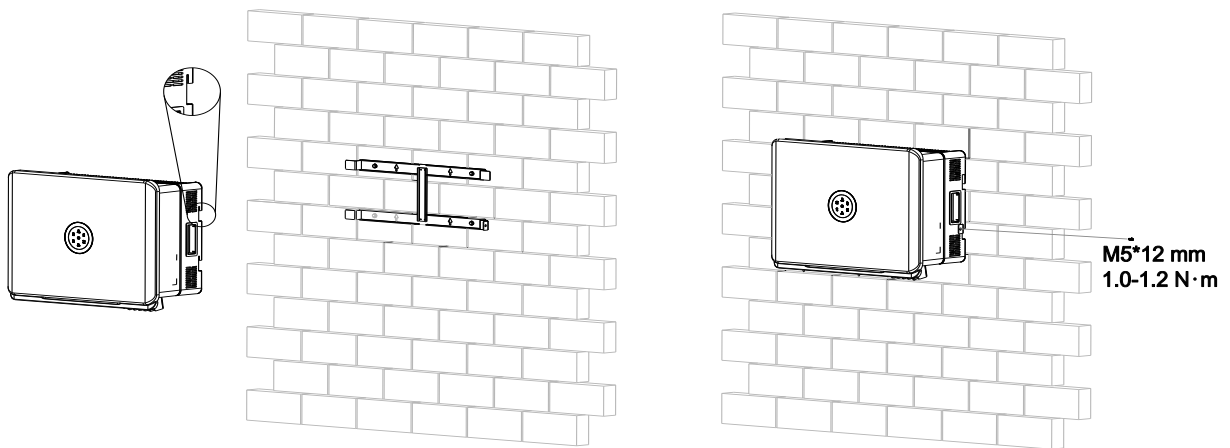
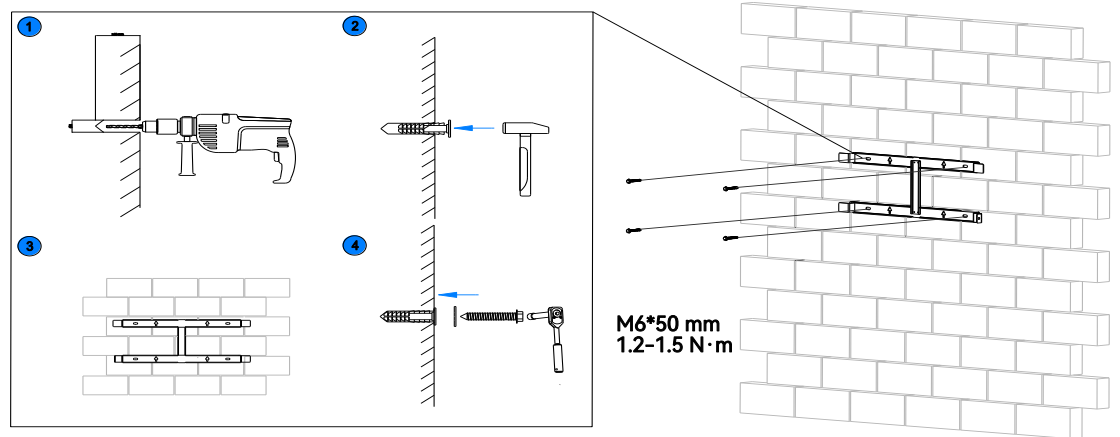
2. Installing the inverter

- Determine the installation position and mark holes.

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

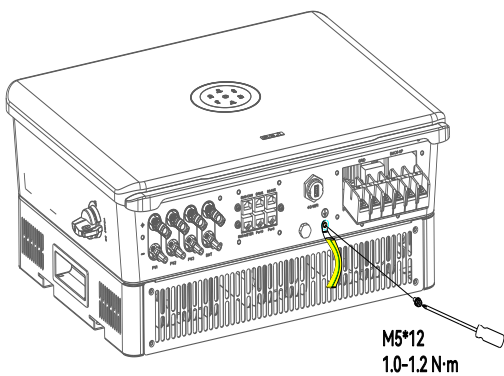


2. Drill holes and fix the mounting plate to the wall.
Mount the inverter to the plate. Secure the inverter.



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 100A 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:

Conductor cross-sectional area of cables (mm ²)	Range	Recommended value	Remarks
	13-21	16	Additional grounding cable cross-sectional area (mm ²): 6

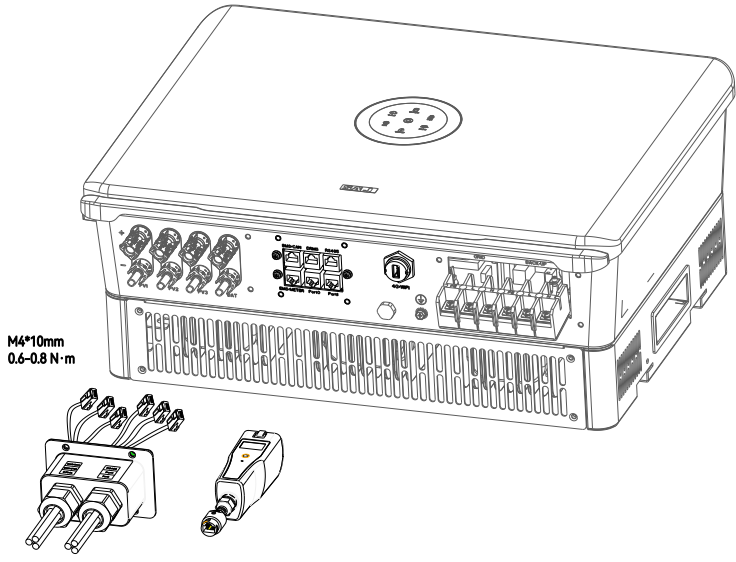
Step	Illustration
<ol style="list-style-type: none"> Loosen the nut from the cable gland on the waterproof cover. Insert the AC cable through the nut and then the cable gland. Assemble the OT terminals to the cable ends. 	
<ol style="list-style-type: none"> Connect the cables to the conductors L, N, and PE and secure them tightly. Secure the waterproof cover to the inverter. Tighten the nut back to the cable gland. 	

7. Assembling the communication connection

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

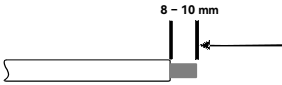
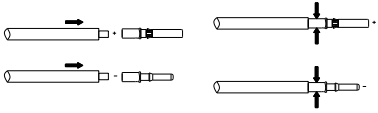
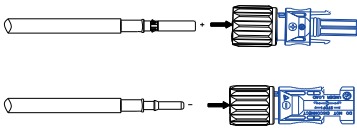
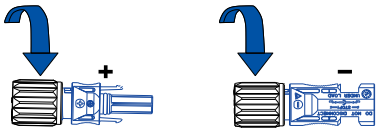
	<table border="1"> <thead> <tr> <th colspan="2">BMS/CAN</th> <td rowspan="8"> </td> </tr> </thead> <tbody> <tr><td>1</td><td>NC</td></tr> <tr><td>2</td><td>NC</td></tr> <tr><td>3</td><td>NC</td></tr> <tr><td>4</td><td>CANH</td></tr> <tr><td>5</td><td>CANL</td></tr> <tr><td>6</td><td>NC</td></tr> <tr><td>7</td><td>NC</td></tr> <tr><td>8</td><td>NC</td></tr> </tbody> </table>	BMS/CAN			1	NC	2	NC	3	NC	4	CANH	5	CANL	6	NC	7	NC	8	NC	<table border="1"> <thead> <tr> <th colspan="2">DRMs</th> <td rowspan="8"> </td> </tr> </thead> <tbody> <tr><td>1</td><td>DRM 1/5</td></tr> <tr><td>2</td><td>DRM 2/6</td></tr> <tr><td>3</td><td>DRM 3/7</td></tr> <tr><td>4</td><td>DRM 4/8</td></tr> <tr><td>5</td><td>RefGen</td></tr> <tr><td>6</td><td>Com/DRM 0</td></tr> <tr><td>7</td><td>NC</td></tr> <tr><td>8</td><td>NC</td></tr> </tbody> </table>	DRMs			1	DRM 1/5	2	DRM 2/6	3	DRM 3/7	4	DRM 4/8	5	RefGen	6	Com/DRM 0	7	NC	8	NC	<table border="1"> <thead> <tr> <th colspan="2">RS485</th> <td rowspan="8"> </td> </tr> </thead> <tbody> <tr><td>1</td><td>NC</td></tr> <tr><td>2</td><td>NC</td></tr> <tr><td>3</td><td>NC</td></tr> <tr><td>4</td><td>NC</td></tr> <tr><td>5</td><td>NC</td></tr> <tr><td>6</td><td>NC</td></tr> <tr><td>7</td><td>RS485-A2+</td></tr> <tr><td>8</td><td>RS485-B2-</td></tr> </tbody> </table>	RS485			1	NC	2	NC	3	NC	4	NC	5	NC	6	NC	7	RS485-A2+	8	RS485-B2-
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ATTENTION: For the EMS/METER port, only use pin 1 **RS485-A1+** and pin 2 **RS485-B1-** of the meter cable for connection.

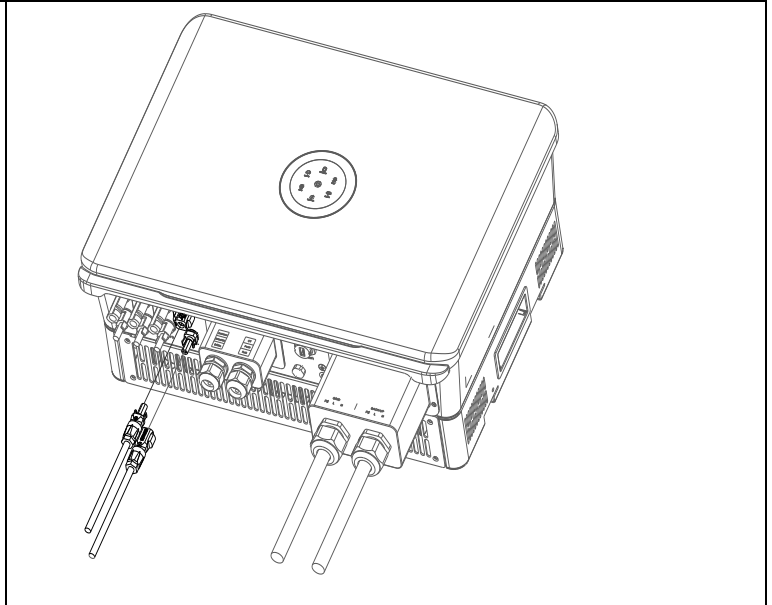
Step	Illustration
<p>Communication cable:</p> <ol style="list-style-type: none"> Loosen the waterproof cover from the inverter. Loosen the nut from the cable gland of the waterproof cover. Insert the communication cables through the nut and then the cable gland. Insert the cables into the corresponding 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"> Remove the cover on the 4G/WIFI port. Insert the communication module to the 4G/WIFI port and secure the module by rotating the nut. 	

8. Connecting the battery to the inverter

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

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 positive and negative cables through the hole. Strip the insulation (8 - 10 mm length) on the cable end. 	
<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 positive and negative 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. 	

- Connect the cables from the BMS to the BAT+ and BAT- ports on the inverter.



9. Assembling the PV-side electrical connection

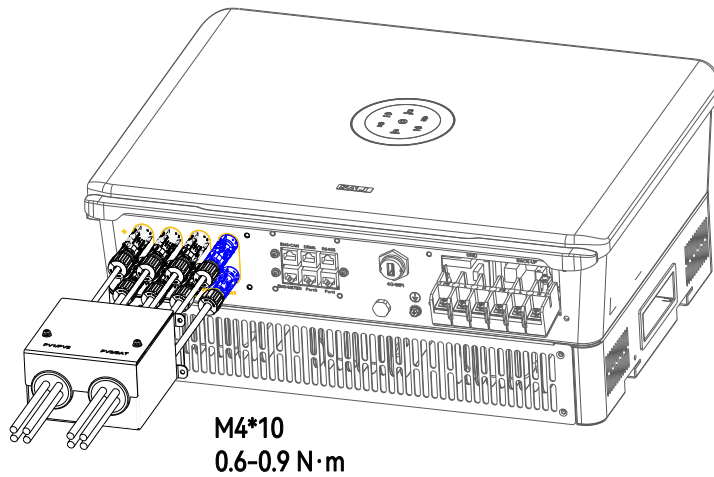
Select cables according to the below specification. For details, refer to the inverter user manual.

Conductor cross-sectional area of cables (mm ²)	Range	Recommended value	Conductor material
	4.0 – 6.0	4.0	Outdoor multi-core copper wire cable. Complying with 600 V DC.

Step	Illustration
1. Prepare cables by referring to similar operations in steps 1 - 5 in section 8.	
1. Ensure that the DC switch is in OFF position and locked. 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. Depending on your model configuration, the switch might look different.	
2. Connect the positive and negative connectors into the positive and negative PV input ports of the inverter. After you hear a “click” sound, the contact cable assembly is seated correctly.	

□ 10. Installing the waterproof cover for PV and battery cables

Tighten three screws to secure the waterproof cover.



□ 11. Performing subsequent operations

1. Unlock and turn on the DC switch on the inverter.
2. Turn on the battery switch.
3. Turn on the breaker on the grid side.
4. Perform configuration commissioning on the eSAJ Home App. For details, refer to the App commissioning content in the inverter user manual or the *Configuration Instructions*.

Installer: _____



An installation video is also available.