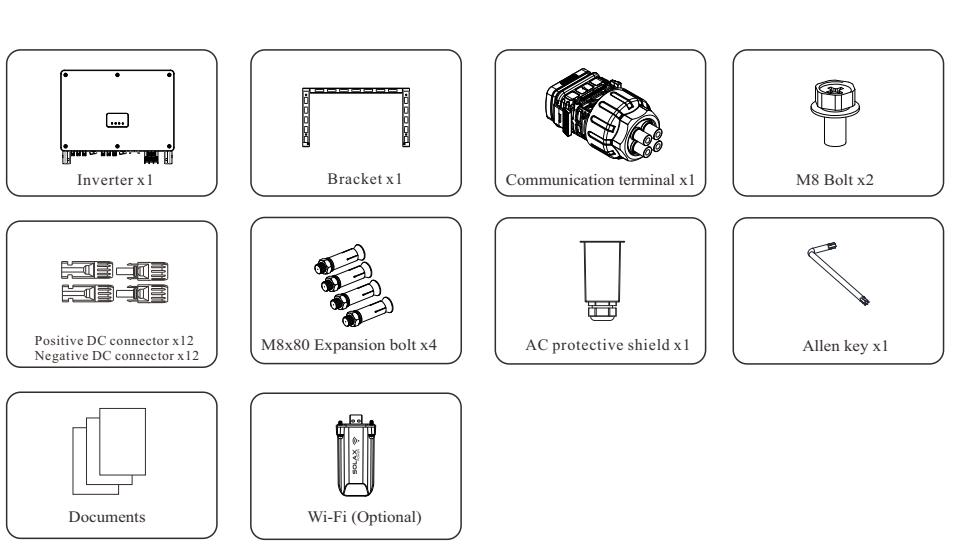
Quick Installation Guide

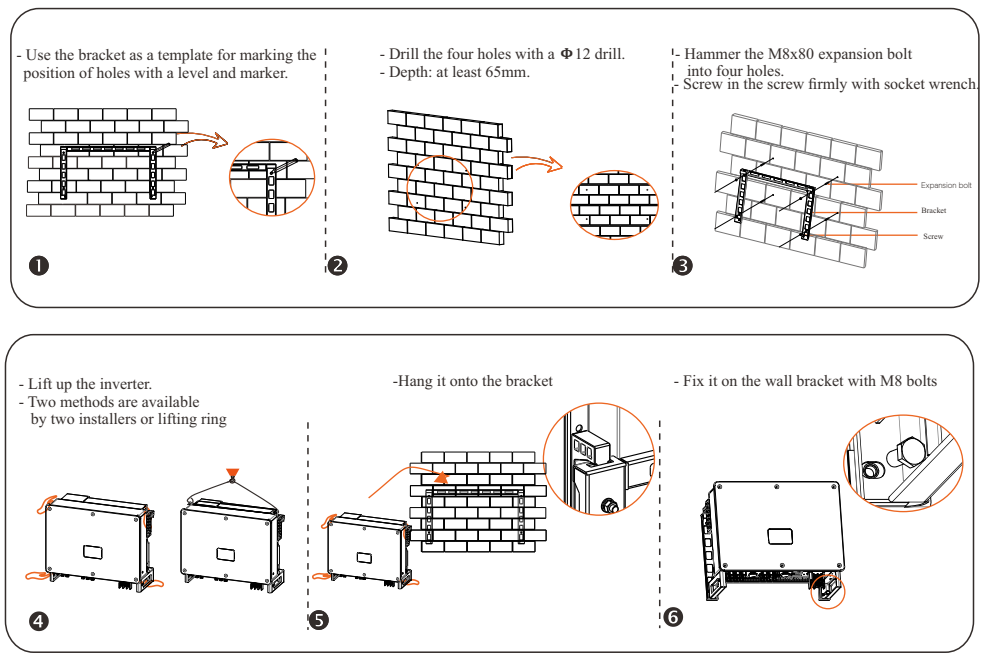
X3-MEGA G2 20kW-60kW

I Packing List

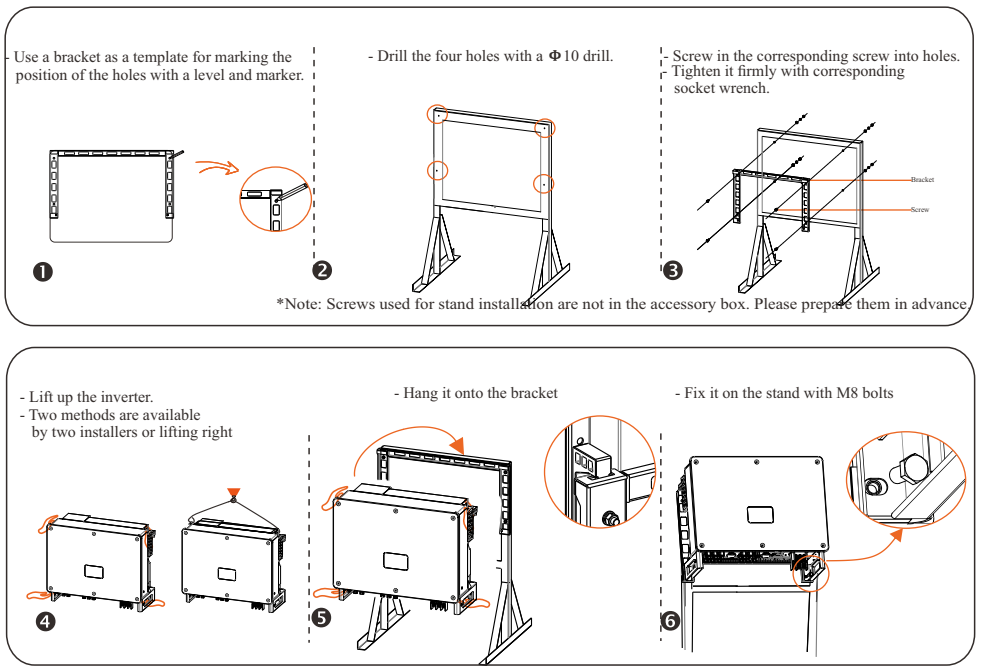


*For the optional accessories, please be subject to the actual delivery.
*Note: The allen key in the accessory box is used to remove the screws on the front cover of the inverter. Keep it in a safe place.

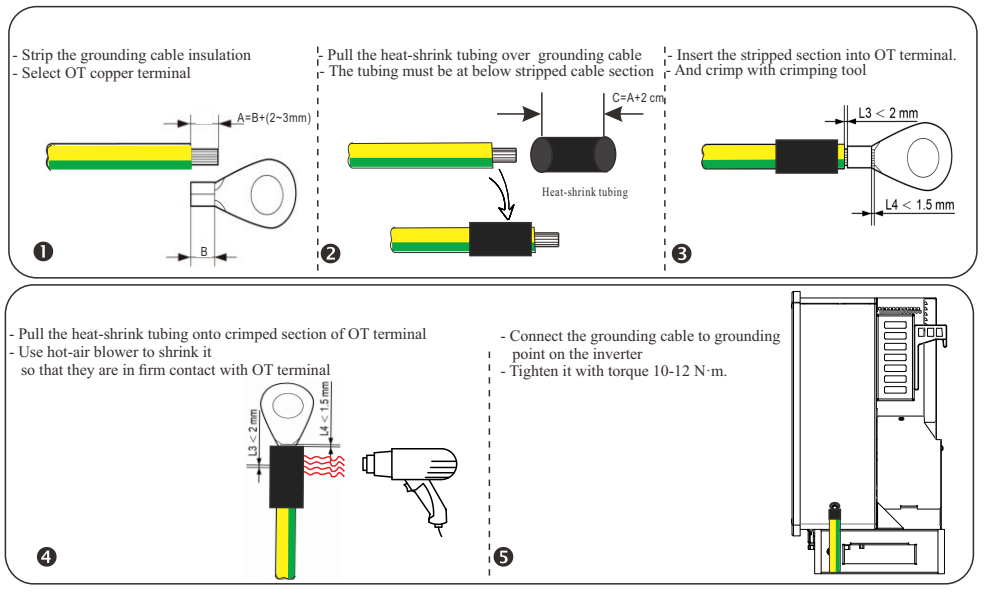
II Mounting the inverter on the wall



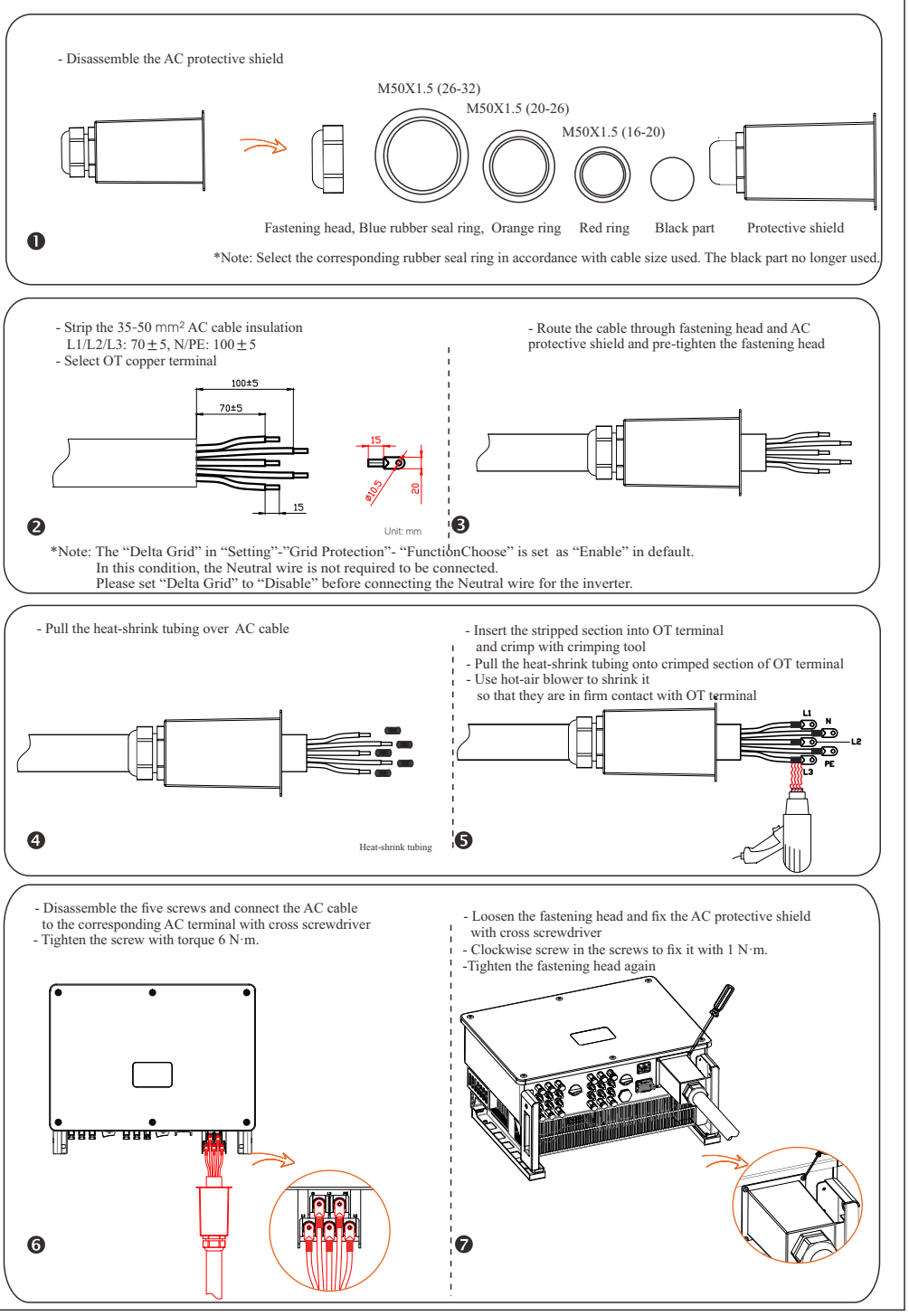
III Mounting the inverter on the stand



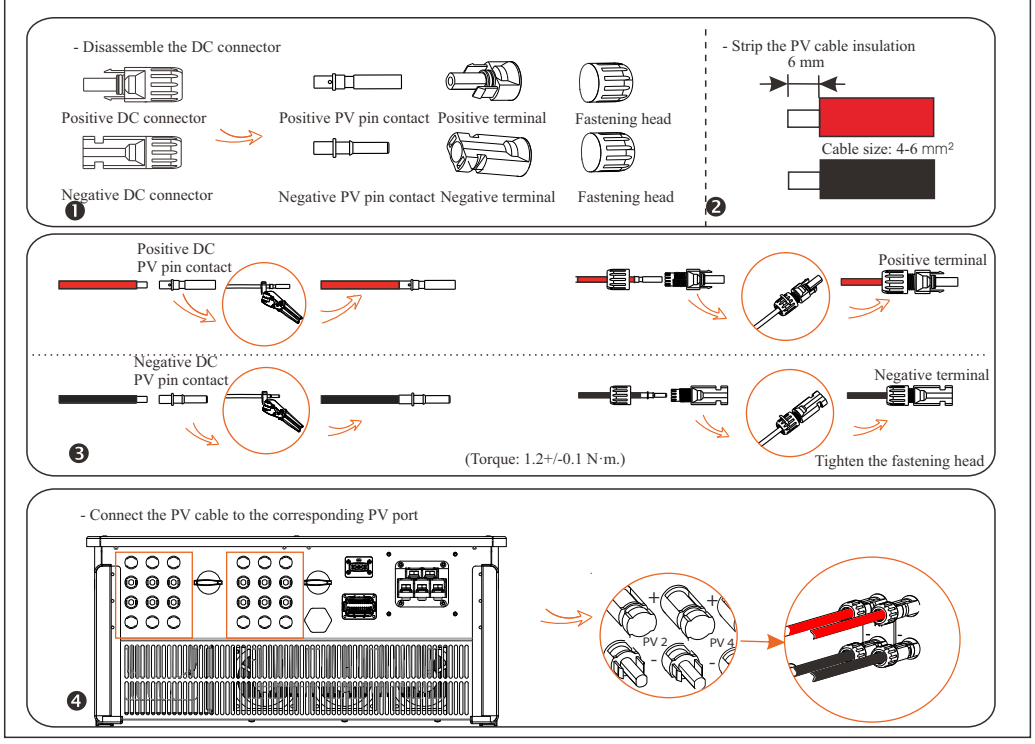
IV Grounding connection



V Grid connection

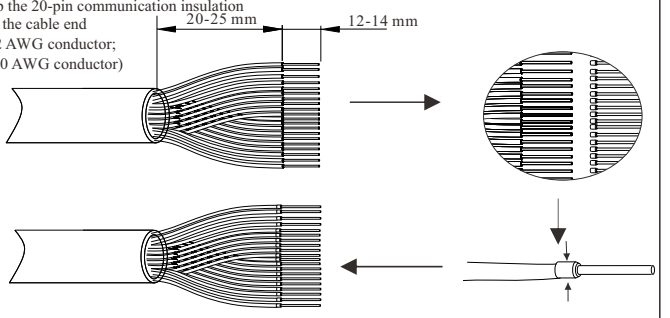


VI PV connection



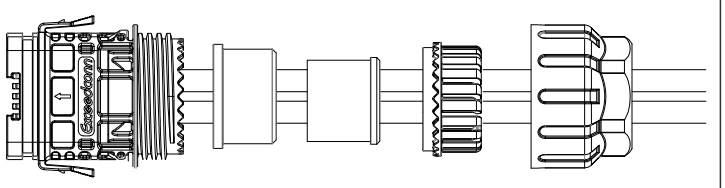
VII Communication connection

- Select 0.5~0.75 mm² twisted-pair and strip the 20-pin communication insulation
- Insert the insulated cord end terminal into the cable end
  (ENY0512 nylon terminal for 0.5 mm²/22 AWG conductor;
  ENY7512 nylon terminal for 0.75 mm²/20 AWG conductor)
- Clamp with terminals press clamp



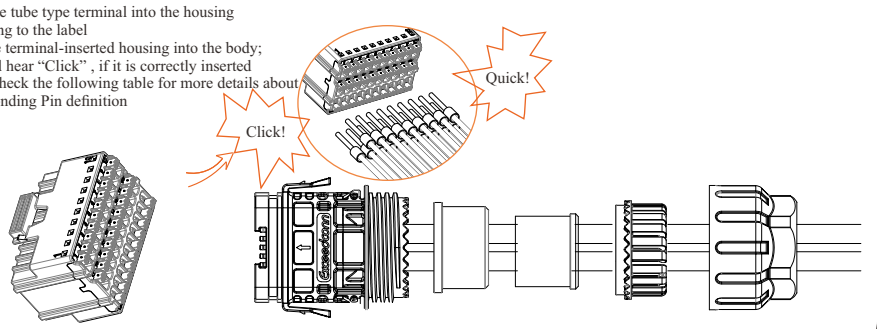
❶

- Disassemble the communication terminal
- Set the nut, claw, seal body, seal ring and body on the cable



❷ Body, Seal ring, Seal body, Claw, nut

- Insert the tube type terminal into the housing according to the label
- Push the terminal-inserted housing into the body; you will hear “Click” , if it is correctly inserted
- Please check the following table for more details about corresponding Pin definition

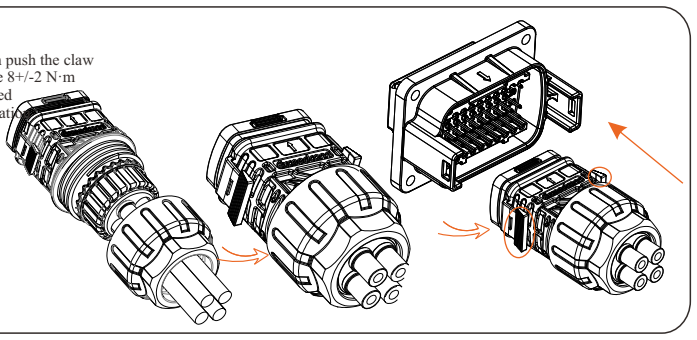


❸ Housing

VII Communication connection

Port	Pin	Definition	Remark
RS-485-1	1	RS485A IN+	Inverter RS485 networking or connect the data collector
	2	RS485B IN-	
	3	GND	
	4	RS485A OUT+	
	5	RS485B OUT-	
	6	GND	
RS-485-2	7	RS485A METER	Connect the RS485 meter or other devices
	8	RS485B METER	
	9	+5V	
	10	GND	
DRM	11	DRM1/5	Reserved for DRM
	12	DRM2/6	
	13	DRM3/7	
	14	DRM4/8	
	15	RG/0	
	16	CL/0	
DI	21	Digital IN+	Input digital signal
	22	Digital IN-	
DO	29	Digital OUT+	Output digital signal
	30	Digital OUT-	

- Push the seal body into seal ring, then push the claw Clockwise tighten the nut with torque 8+/-2 N·m
- Keep the buttons on both sides pressed and then connect it to the communication port on the inverter. You will hear “Click” if it is correctly connected



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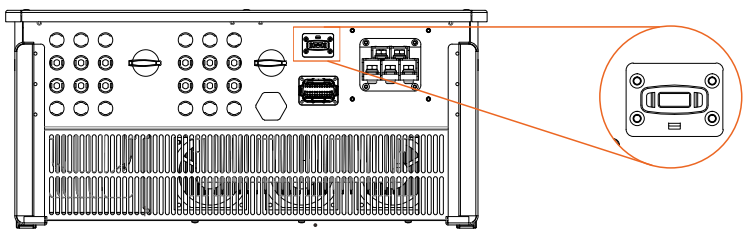
VIII Monitoring connection

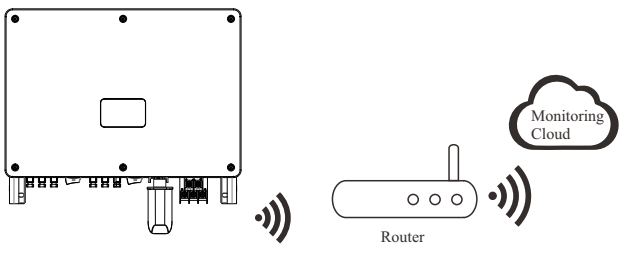
Monitoring Cloud is an application that can communicate with the inverter via WiFi/LAN/4G. It can realize alarm query, parameter configuration, daily maintenance and other functions. This is a convenient maintenance platform.

Plug Dongle into “USB” port at the bottom of the inverter. After the DC side or AC side is powered on, the APP and inverter can be connected. Please refer to the corresponding manual for details.



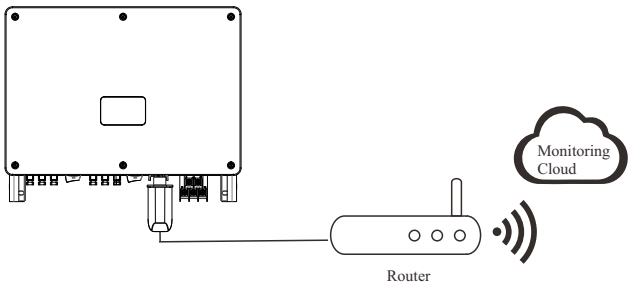
➢ WiFi connection

WiFi dongle connects to a local network within 50 m of the installation to enable access to the Monitoring Cloud platform.



➢ LAN connection

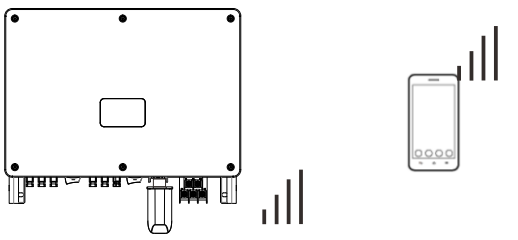
If WiFi isn’t suitable, the LAN dongle enables users to connect to the network via an ethernet cable. Ethernet allows for a much more stable connection with less interference.



VIII Monitoring connection

➢ 4G connection

4G dongle allows you to use a 4G connection to monitor your system without the option of connecting to a local network. (This product is not available in the UK)



➢ Basic setting and advanced setting

Basic settings include the time, date and language.
Advanced settings can set Satety,System Switch,PVConnection, Active Power Control, Export Control, Reactive Power Control, Grid Voltage Parameters, Grid Frequency Parameters, Grid Through Parameters, Check Parameters, Reset, Communication Parameters and New Password.