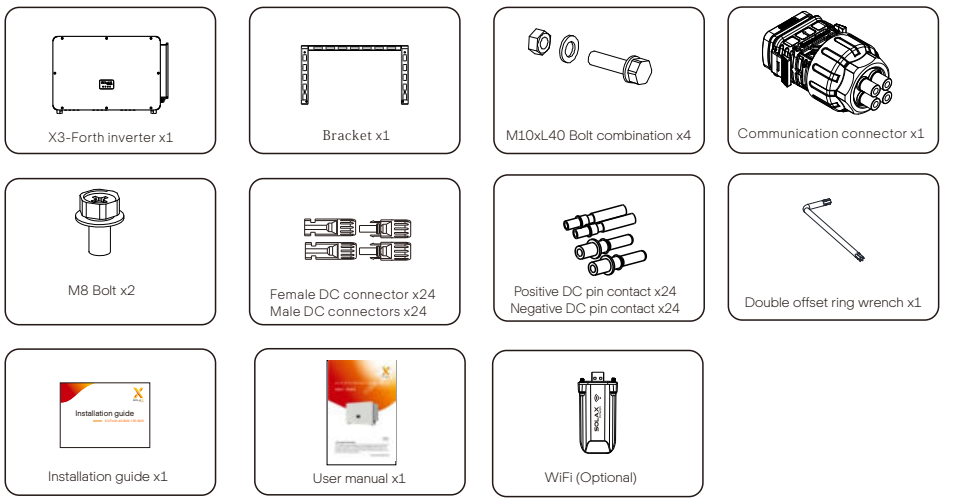
Quick Installation Guide

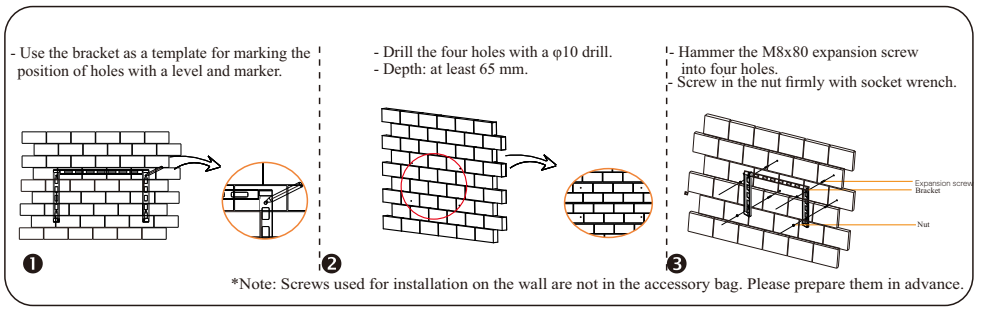
X3-Forth 40.0kW-150.0kW

I Packing List

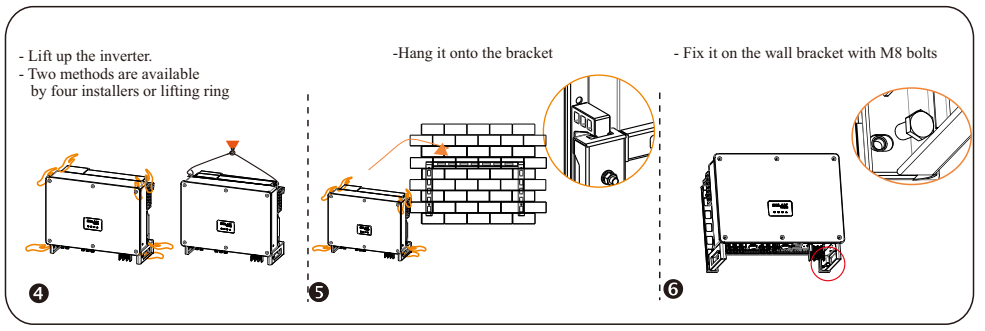


*Note: The double offset ring wrench in the accessory bag is used to remove the screws on the front cover of the inverter. Keep it in a safe place

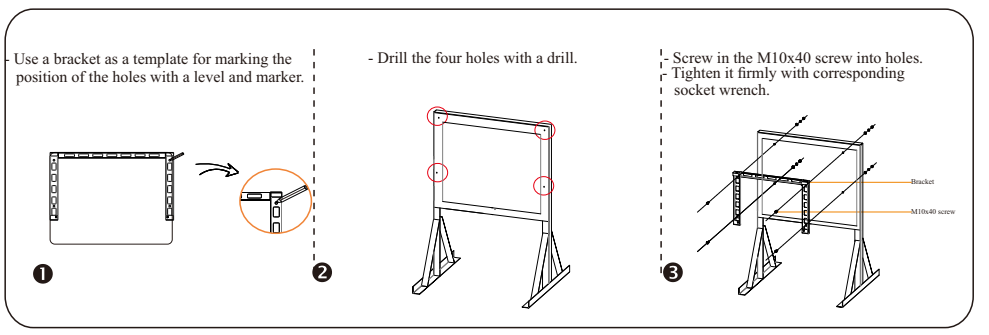
II Mounting the inverter on the wall

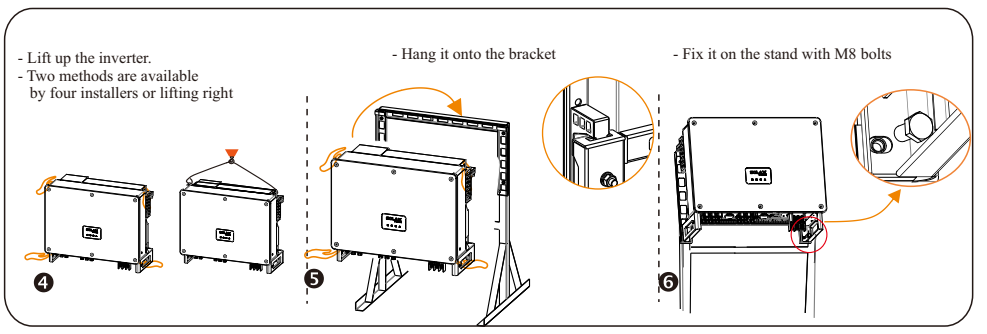


*Note: Screws used for installation on the wall are not in the accessory bag. Please prepare them in advance.

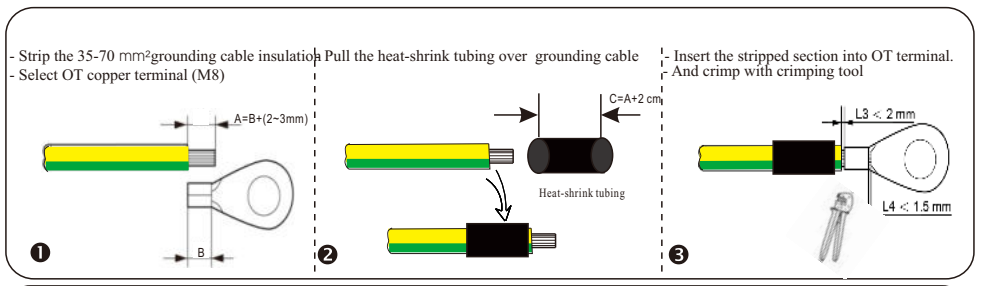


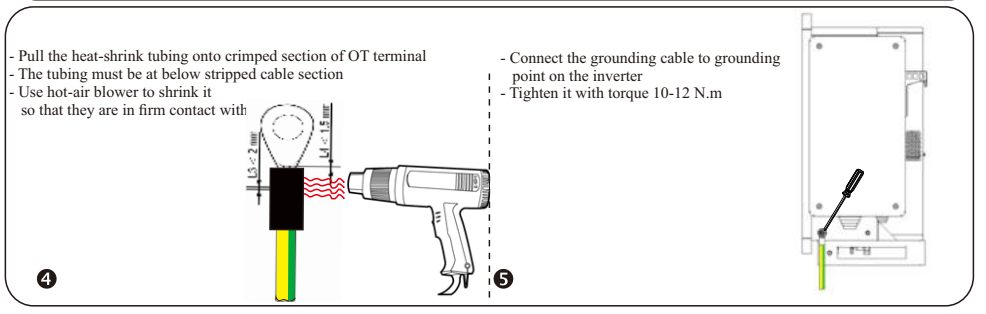
III Mounting the inverter on the stand



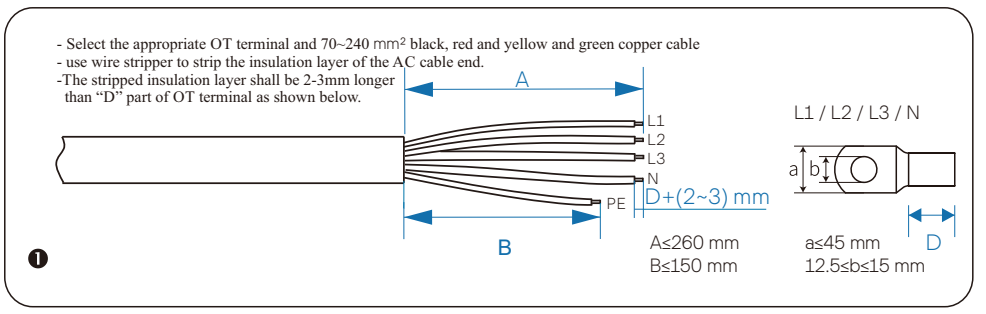


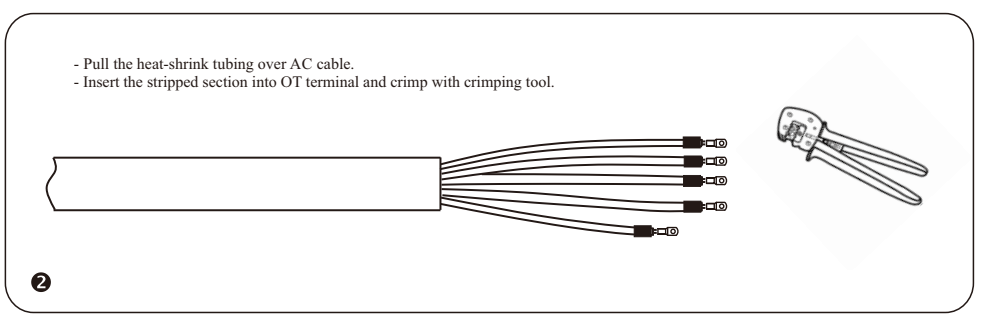
IV Grounding connection

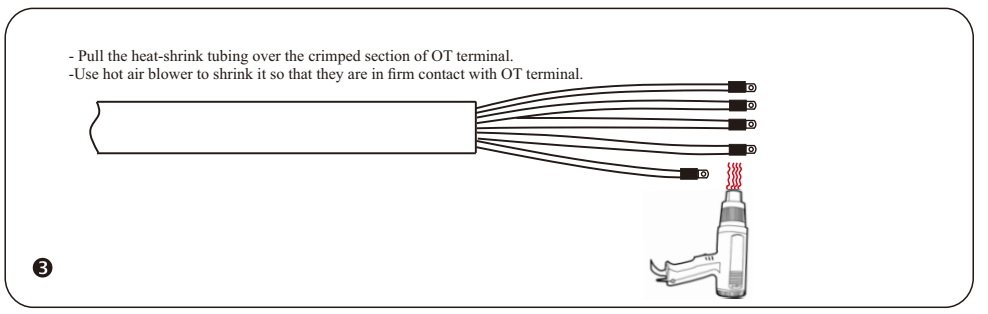


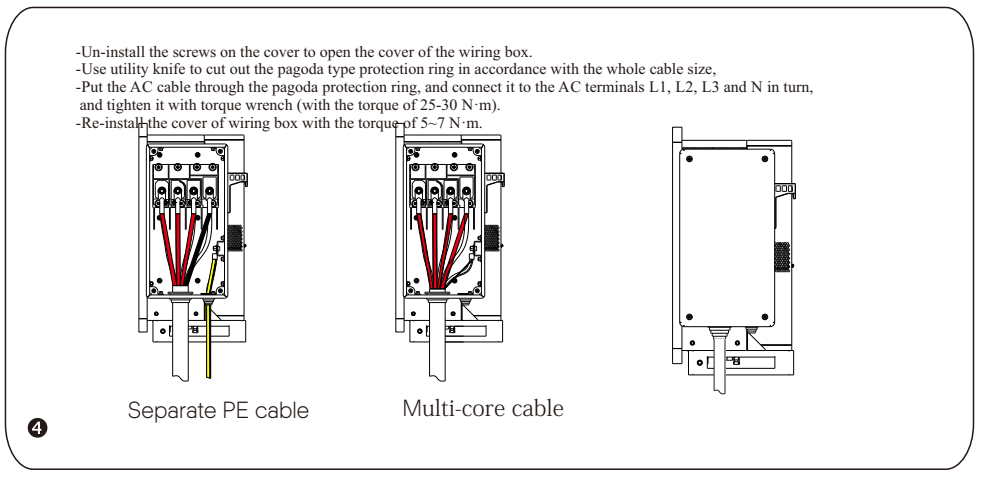


V Grid connection

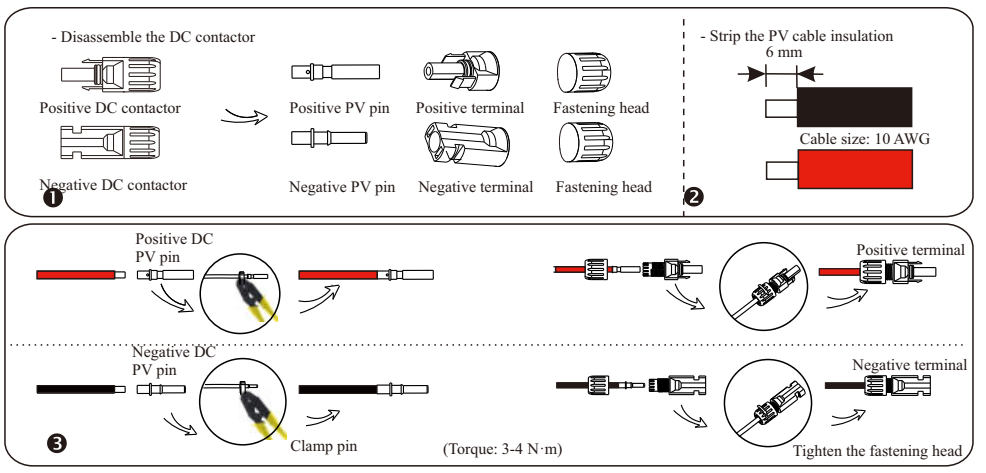


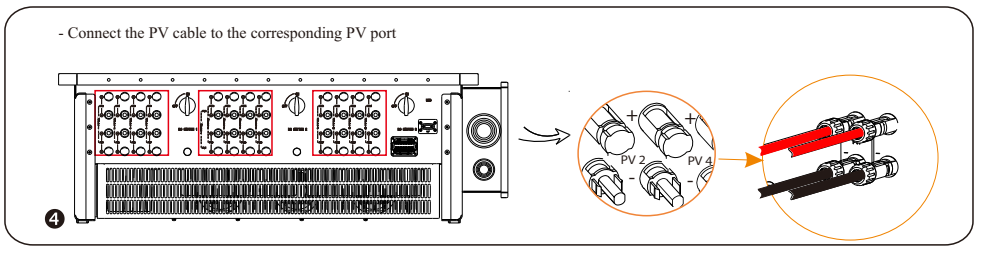






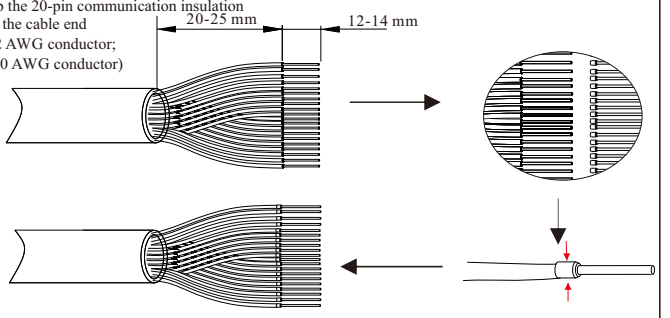
VI PV connection





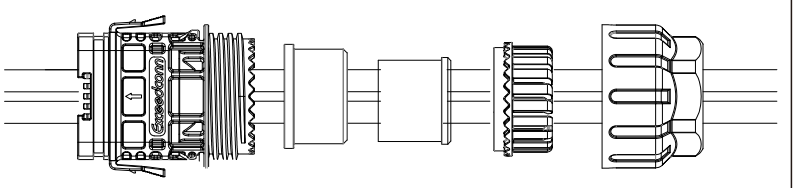
VII Communication connection

- 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;
  ENY7515 nylon terminal for 0.75 mm²/20 AWG conductor)
- Clamp with terminals press clamp



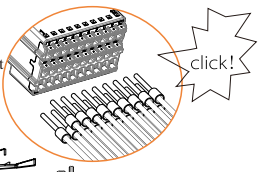
❶

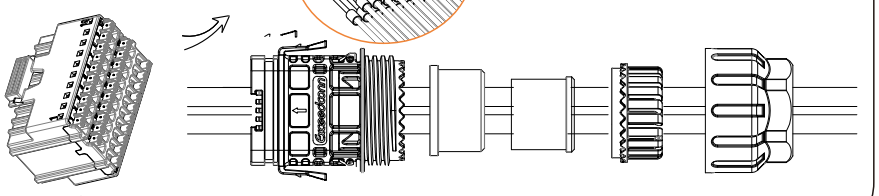
- Disassemble the communication terminal
- Set the nut, claw, seal body, seal ring and body on the cable



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

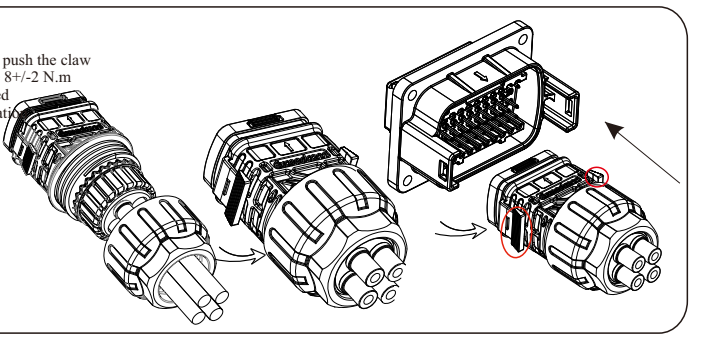




❸ Housing

Port	Pin	Definition	Remark
RS-485-1	1	RS485A IN+	Inverter RS485 networking or connect the data collector
	2	RS485B IN-	
	3	Rs485 IN-GND	
	4	RS485A OUT+	
	5	RS485B OUT-	
	6	Rs485 OUT-GND	
RS-485-2	7	RS485A METER	Connect the RS485 meter or other devices
	8	RS485B METER	
	9	V+5V	
	10	COM_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 communicati port on the inverter. You will hear “Click” if it is correctly connected

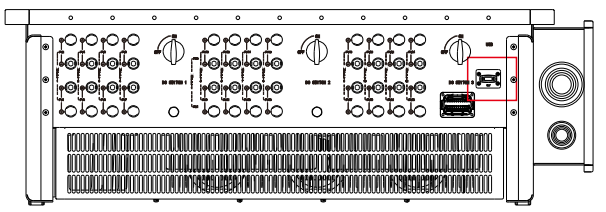


❹

VIII Monitoring connection

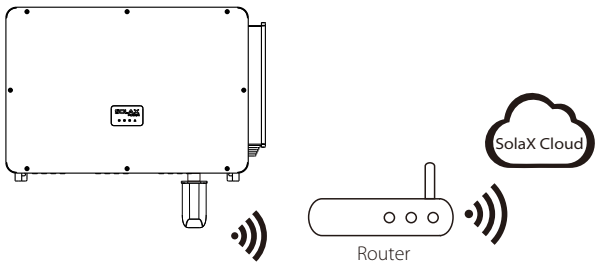
Solaxcloud is a mobile phone application that can communicate with the inverter via WiFi/LAN/4G. It can realize alarm query, parameter configuration, daily maintenance and other functions. This is a convenient maintenance platform.

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.



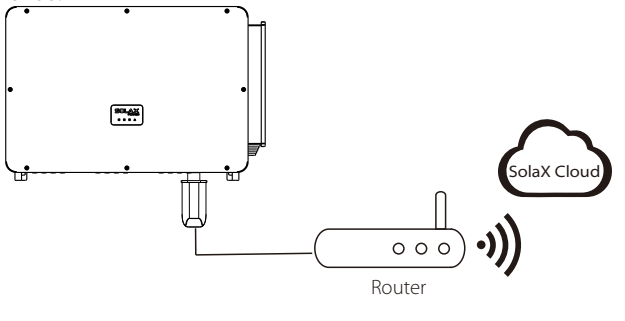
➢ WiFi connection

Solax Pocket WiFi Dongle connects to a local network within 50 m of the installation to enable access to the SolaX Cloud monitoring platform.



➢ LAN connection

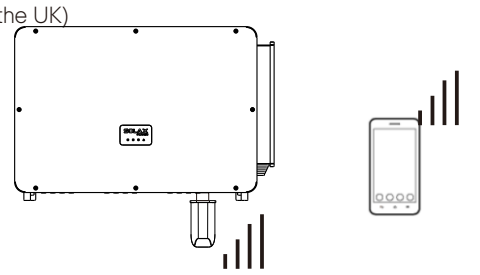
If WiFi isn’t suitable, the Pocket LAN enables users to connect to the network via an ethernet cable. Ethernet allows for a much more stable connection with less interference.



VIII Monitoring connection

➢ 4G connection

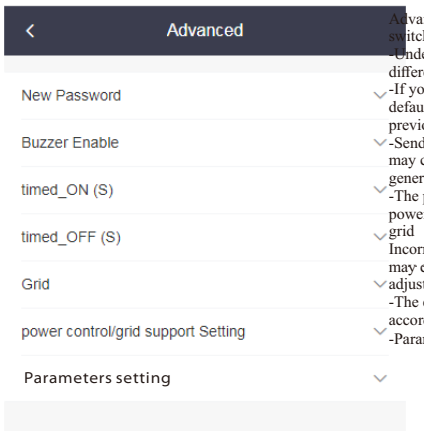
SolaX Pocket 4G dongle allows you to use a 4G connection to monitor your system without the option of connecting to a local network. (This product is not available in the UK)



➢ Basic setting

Basic settings can set the time, date, language and system switch.

➢ Advanced setting



Advanced settings can set the new password of the inverter, buzzer enable, timing switch, etc.
-Under different standard codes, the parameters that can be set for the inverter are different.
-If you change the grid standard code, some parameters may revert to factory defaults. After the grid standard code is changed, please check whether the previously set parameters are affected.
-Sending reset, plant recovery, shutdown or upgrade instructions to the inverter may cause the inverter to be unable to be connected to the grid and affect power generation.
-The power grid parameters, protection parameters, characteristic parameters and power regulation parameters of the inverter must be set by professionals. power grid
Incorrect setting of parameters, protection parameters and characteristic parameters may cause the inverter not connected to the grid and incorrect setting of power adjustment parameters.
-The error may cause that the inverter cannot be connected to the power grid according to the power grid requirements, thus affecting the power generation.
-Parameter name, ranges, and defaults may change or adjust in the future.