



Quick Installation Guide

X3-Mega G2 20kW-60kW

II Mounting the inverter on the wall

1 - Use the bracket as a template for marking the position of holes with a level and marker.

2 - Drill the four holes with a $\Phi 12$ drill.
- Depth: at least 65mm.

3 - Hammer the M8x80 expansion screw into four holes.
- Screw in the nut firmly with socket wrench.

4 - Lift up the inverter.
- Two methods are available by two installers or lifting ring

5 - Hang it onto the bracket

6 - Fix it on the wall bracket with M8 bolts

I Packing List

 Male DC connector x12			

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

III Mounting the inverter on the stand

1 - Use a bracket as a template for marking the position of the holes with a level and marker.

2 - Drill the four holes with a $\Phi 10$ drill.

3 - Screw in the corresponding screw into holes.
Tighten the nut firmly with corresponding socket wrench.

*Note: Screws used for stand installation are not in the accessory box. Please prepare them in advance

4 - Lift up the inverter.
- Two methods are available by two installers or lifting ring

5 - Hang it onto the bracket

6 - Fix it on the stand with M8 bolts

IV Grounding connection

1 - Strip the grounding cable insulation
- Select OT copper terminal

2 - Pull the heat-shrink tubing over grounding cable
- The tubing must be at below stripped cable section

3 - Insert the stripped section into OT terminal.
- And crimp with crimping tool

4 - Pull the heat-shrink tubing onto crimped section of OT terminal
- Use hot-air blower to shrink it so that they are in firm contact with OT terminal

5 - Connect the grounding cable to grounding point on the inverter
- Tighten it with torque 10-12 N·m.

V Grid connection

1 - Disassemble the AC protective shield

2 - Strip the 35-50 mm² AC cable insulation
L1/L2/L3: 70±5, N/PE: 100±5
- Select OT copper terminal

3 - Install the fastening head and AC protective shield
- And pre-tighten the fastening head

4 - Pull the heat-shrink tubing over AC cable

5 - Insert the stripped section into OT terminal and crimp with crimping tool
- Pull the heat-shrink tubing onto crimped section of OT terminal
- Use hot-air blower to shrink it so that they are in firm contact with OT terminal

6 - Disassemble the five screws and connect the AC cable to the corresponding AC terminal with cross screwdriver
- Tighten the screw with torque 6 N·m.

7 - Loosen the fastening head and fix the AC protective shield with cross screwdriver
- Clockwise screw in the screws to fix it with 1 N·m.
- Tighten the fastening head again

VI PV connection

1 - Disassemble the DC contactor

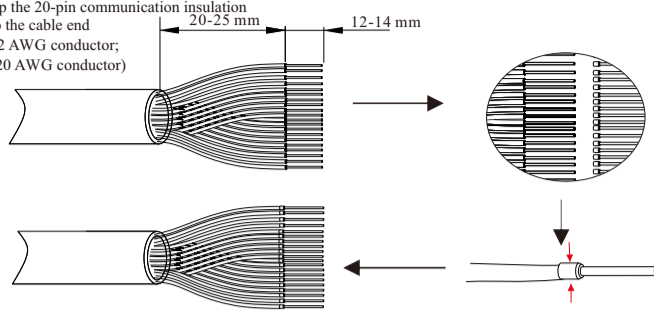
2 - Strip the PV cable insulation 6 mm
Cable size: 4-6 mm²

3 - Connect the PV cable to the corresponding PV port

4 - Connect the PV cable to the corresponding PV port

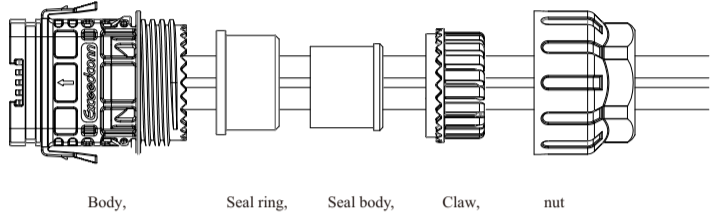
VII Communication connection

- 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



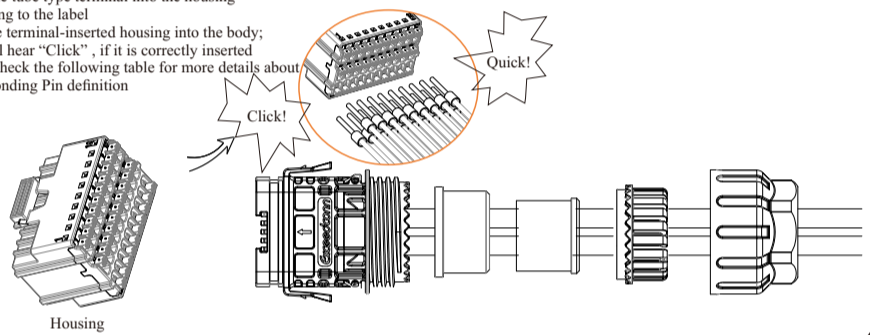
1

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



2

- 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

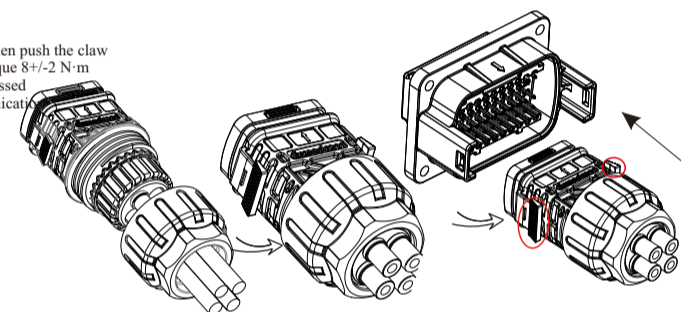


3

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 \pm 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

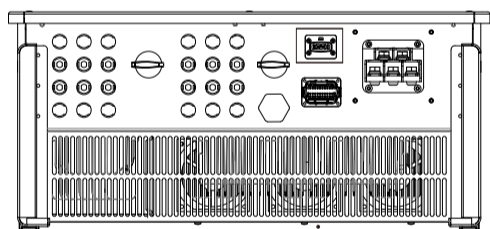


4

VIII Monitoring connection

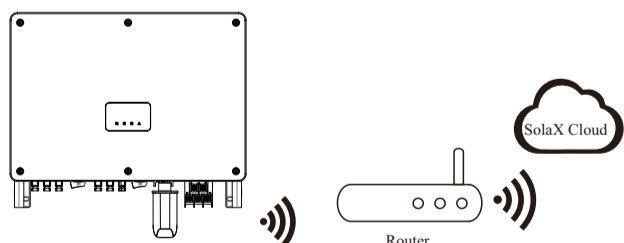
SolaXcloud is a mobile phone application that can communicate with the inverter via WiFi/LAN/4G. It can realize alarm query, parameter configuration, daily maintenance and other functions. This is a convenient maintenance platform.

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.



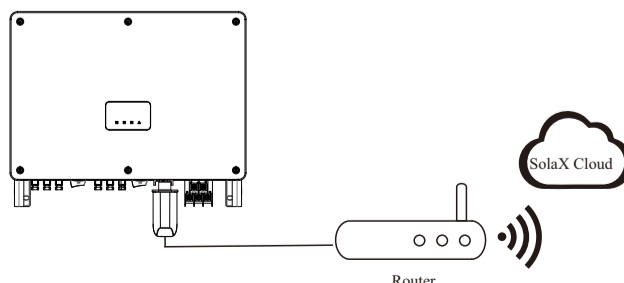
WiFi connection

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

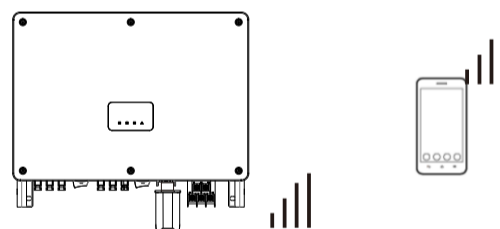
If WiFi isn't suitable, the Pocket LAN enables users to connect to the network via an ethernet cable. Ethernet allows for a much more stable connection with less interference.



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 and advanced setting

Basic settings include the time, date and language. Advanced settings can set Safety, 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.