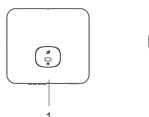
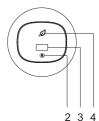
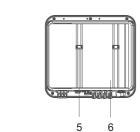


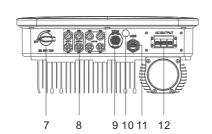
MIN 7000-10000TL-X Quick Guide

1. Overview









(1)Front panel (6) Heat sink

(2)Touch button (7)DC switch

(3)OLED screen (8)PV terminal

(4)LED indicator (9)COM port

(5) Mounting bracket (10)Vent valve

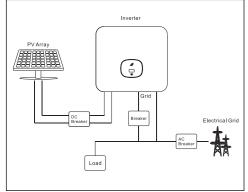
(11)USB port (12)AC terminal

⚠ Note:

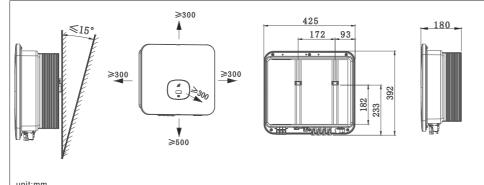
- 1. This document is for quick installation guidance only, please refer to User Manual for more details.
- 2. Growatt shall not be liable for any damage resulting from unproper installation.

2. Installation

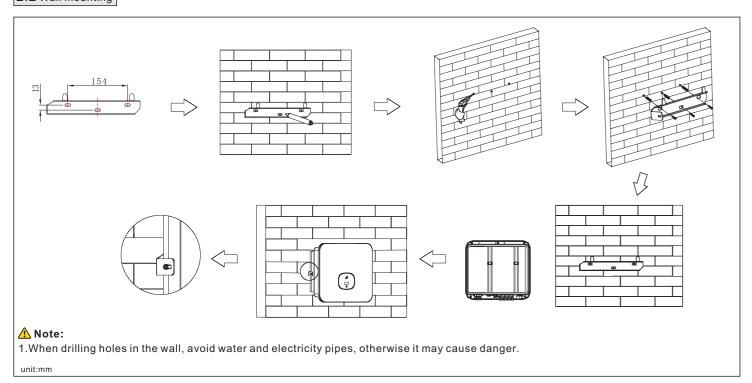




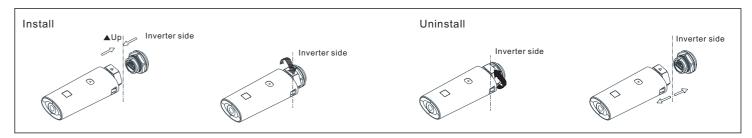




2.2 Wall mounting



2.3 Communication module installation



3. Electrical connection

Please prepare the cable before connecting as follows.

No.	Cable name	Туре	Recommend model
1	Protective grounding wire	Single multi-core yellow-green wire	6mm²
2	AC output wire	Two or three polychromatic multi-core copper wires	6mm²
3	PV input wire	PV wire (such as PV1-F)	4mm² - 6mm²
4	Communication wire	RS485	1

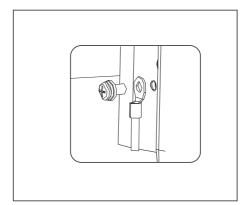
⚠ Note:

1. Please make sure all switches are in "OFF" position before wiring. For personal safety, please do not operate with electricity.

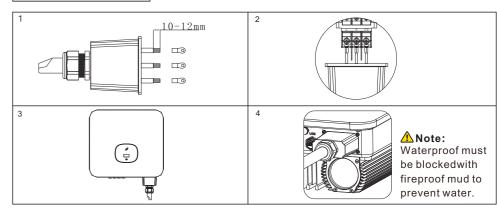
2. If the diameter of the cable does not match the terminal, or the cable is aluminum wire,

please contact our after-sales personnel.

3.1 Grounding

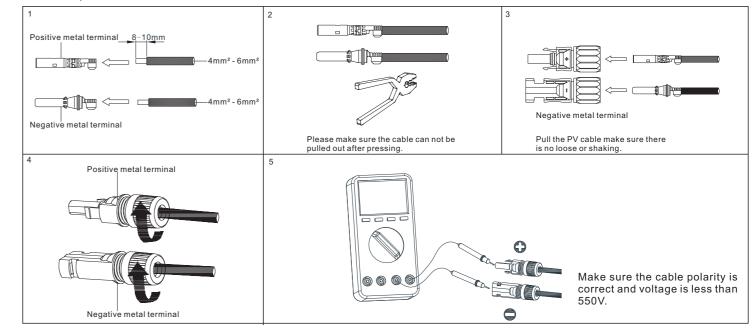


3.2 AC output connection

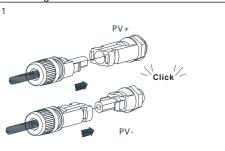


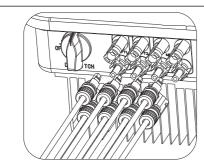
3.3 DC connection

3.3.1 PV input terminal installation



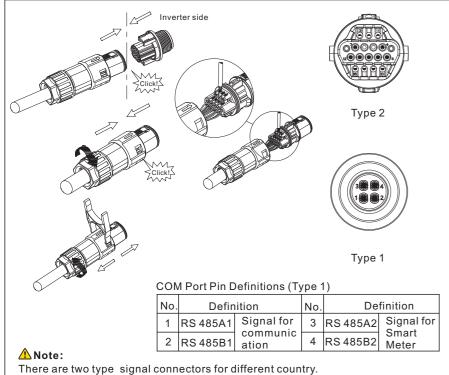
3.3.2 Plug in PV terminal





- 1.Before installing the PV terminal, please double-check that the PV input voltage and current do not exceed the MPPT limits.
- 2. When installing the PV terminal, pay attention to the difference between the positive and negative poles and the one-toone correspondence between the terminals and the machine.
- 3. There is a "click" sound when the terminal is connected, please gently pulling the PV wire to make sure there is no loose or pulling off.

3.3.3 Communication cable installation

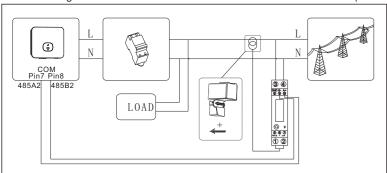


COM Port Pin Definitions (Type				
	No. Description		Rema	
	1	+12V	Dry contact : 6	

No.	Description	Remarks	
1	+12V	Dry contact : external relay coil interface,	
2	СОМ	power is not more than 2W	
3	RS485A1	RS485 communication	
4	RS485B1	port	
7	RS485B2	Meter communication	
8	RS485A2	port	
9	DRM1/5	/	
10	DRM2/6	/	
11	DRM3/7	/	
12	DRM4/8	/	
13	REF/GEN	GND	
14	DRM0/COM	/	
15	CT-P	White	
16	CT-N	Black or Blue	

4. Connecting Meter

The following table describes how we can connect EASTRON meter (SDM120CT(40mA)to inverter:



Meter Pin NO.	Description	Meter Connection	
1	CT-input	CT-P(White)	
2	O 1-mput	CT-N(Black or Blue)	
3	N-in	Grid N°	
4	L-in	Grid L	
9 RS485B		COM Port RS485B2	
10	RS485A	COM Port RS485A2	

Note: @For Australian market, installers can connect pin3 to the neutral links/bars.

5. Post-installation check

No.	Acceptance criteria	No.	Acceptance criteria
1	The inverter is installed correctly, firmly and reliably.	6	The RS485 communication cable is installed correctly and firmly.
2	The ground wire connected well and the connection is firm and reliable.	7	The cable tie port is trimmed well without leaving sharp corners, meets the requirements of the user.
3	All switches are in the OFF state.	8	All exposed terminals are well protected and there are no vacant ports.
4	All wiring is correct and securely connected.	9	Pay attention to clean up all construction residues.
5	The wiring of the cable is reasonable, meets the requirements, and there is no phenomenon of broken skin.		

6. Power on and off steps

Before turning the inverter on, please make sure the PV input voltage and current are within the MPPT limits. Follow the steps below to turn the inverter on:

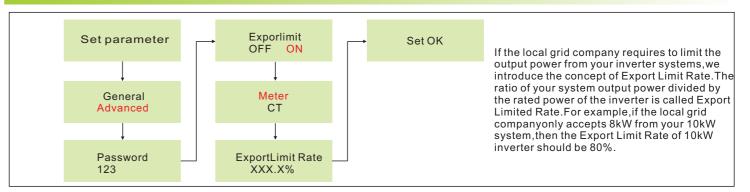
- 1. Switch on the build-in DC isolator at the bottom of the inverter.
- 2. Switch on the PV Array and DC isolator next to your inverter, if you can not find this switch, skip this step.
- 3. Switch on the Solar AC isolator if the inverter is more than 3 meters away from your switchboard.
- 4. Switch on the solar supply main switch in the switch board.
- To shut down your system, follow this guide in reverse order.

7. Status of PV grid inverter

Customer can read more information by push button.

Symbol	Description	Explanation	
	Touch button	Single touch	Switch the display interface or the current number plus 1
		Double touch	Enter the setting state or confirm
		Triple touch	Return to the previous display interface
		Hold 5s	The current data returns to the default value
	Inverter status indicator	Red	Fault
		Green	Normal operation
		Red light flashing	Warning
•		It can display the basic information of inverter through OLED display screen (PV/AC voltage,PV power,AC current,total power,generating capacity, etc.).	

8. Export limitation setting



9. Service and contact

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Manual









GR-UM-224-A-00