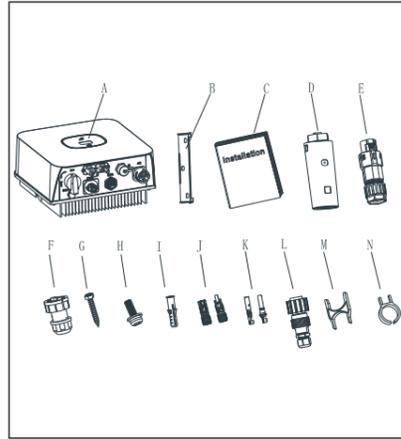


MIC TL-X Series Quick Guide



1. Overview



Object	Description	Quantity
A	Inverter	1
B	Mounting bracket	1
C	Quick Guide	1
D	Monitor(Optional)	1
E	Signal connector	1
F	RJ 45 connector	1
G	Self-tapping screws	3
H	Safety-lock screws	2
I	Plastic expansion pipe	3

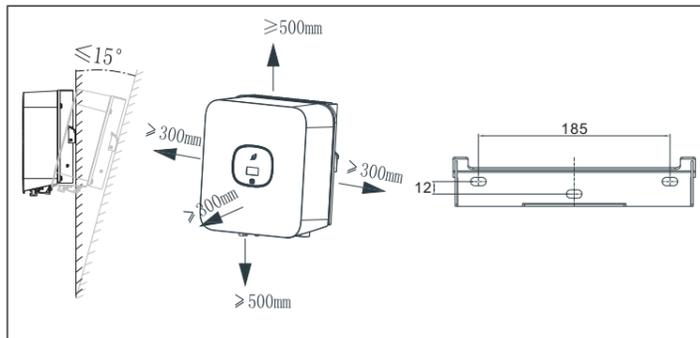
J	PV+/PV- terminal	1/1
K	PV+/PV- metal terminal	1/1
L	AC connector	1
M	Uninstall signal and AC connector tool	1
N	Uninstall PV connector	1

Notice:
Before installing the device, check that the package contents are intact and complete against the packing list. If any damage is found or any component missing, contact your dealer.

2. Installing the Device

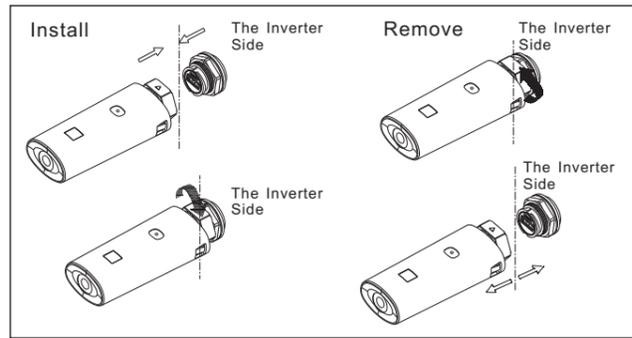
2.1 Installation Requirements

Tilt and Space

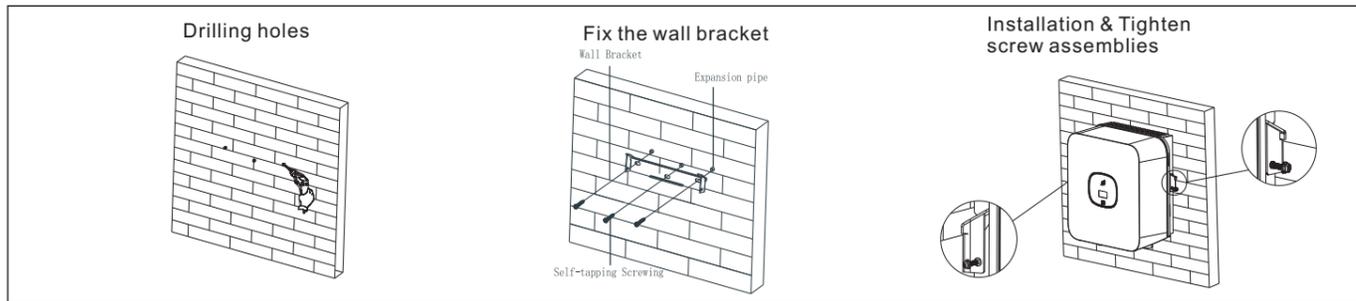


2.3 Installing the Monitor

Ensure that the Monitor is installed securely.

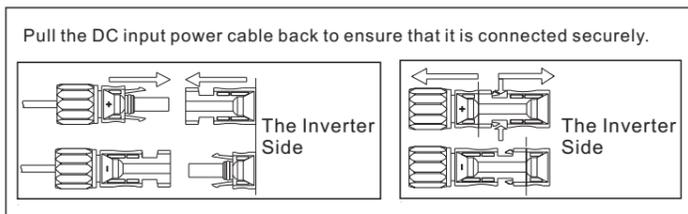
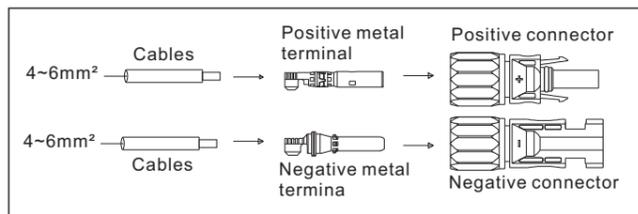


2.2 Installing the Mounting Bracket And MIC TL-X Series



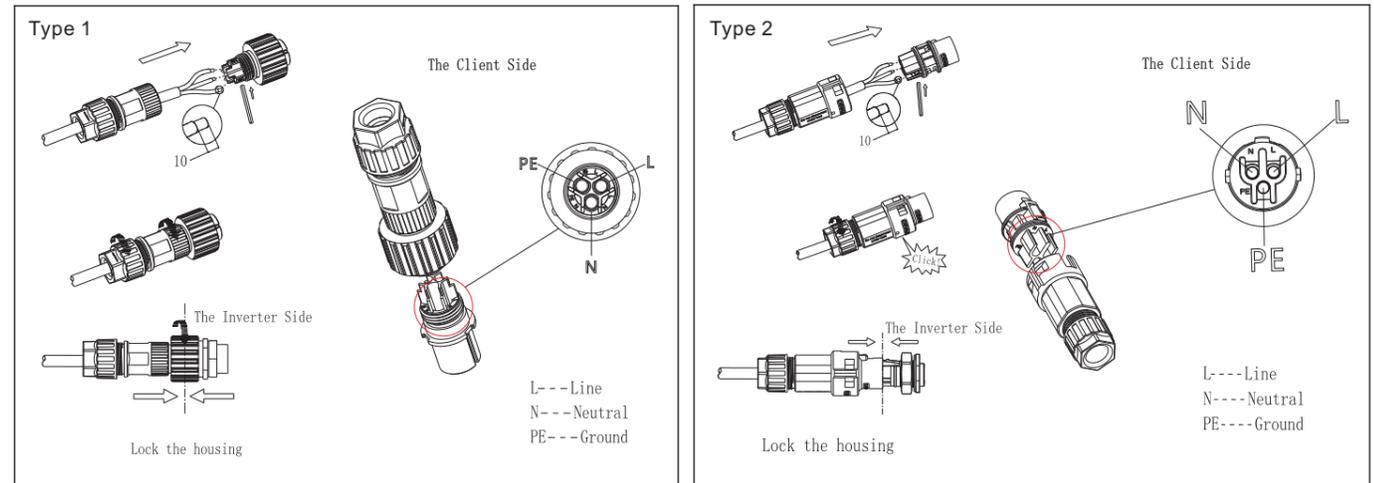
3. Connecting Cables

3.1 Installing the DC Input Power Cable



3.2 Installing the AC Output Power Cable

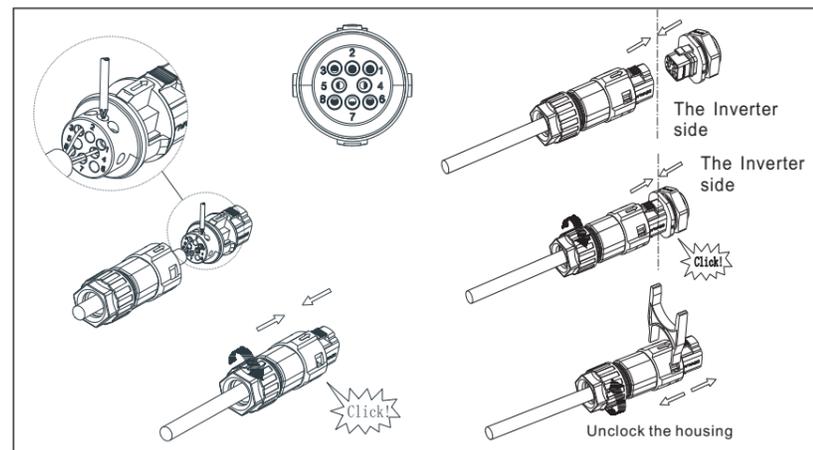
Connect the AC output power cable to the AC connector.



Notice:

Suggest using 4mm² cables. Ensure the exposed core wire is totally inserted into the cable hole and connected securely.

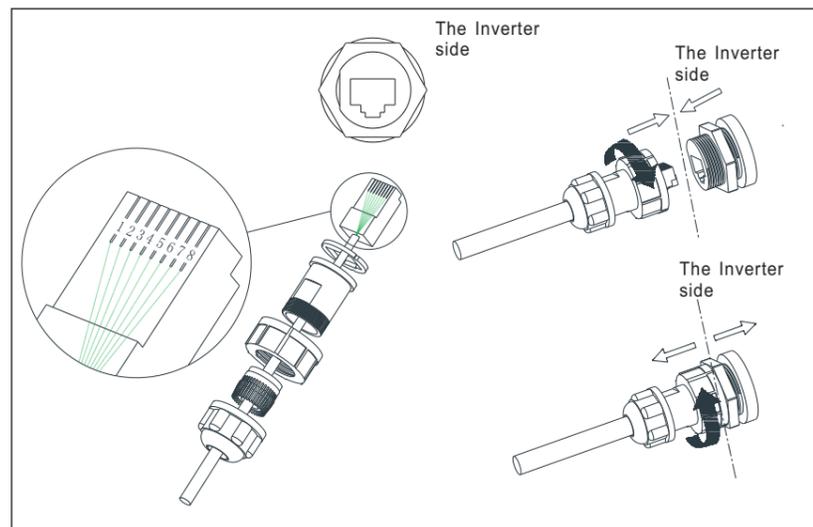
3.3 Installing the Signal Cable



COM Port Pin Definitions

No.	Definition	No.	Definition	
1	NA	5	CT-P	Signal for export limitation (optional)
2	NA			
3	RS 485A1	7	RS 485A2	Signal for Smart Meter
4	RS 485B1			

3.4 Installing the DRMS Cable



DRM Port Pin Definitions

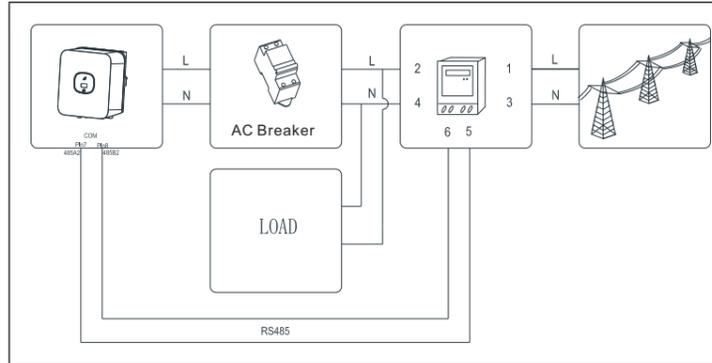
NO.	1	2	3
Definition	DRM5	DRM6	DRM7
NO	4	5	6
Definition	DRM8	REFGEN	COM/DRM0

Notice:

1. When laying out signal cables, separate them from power cables to avoid strong signal interference sources.

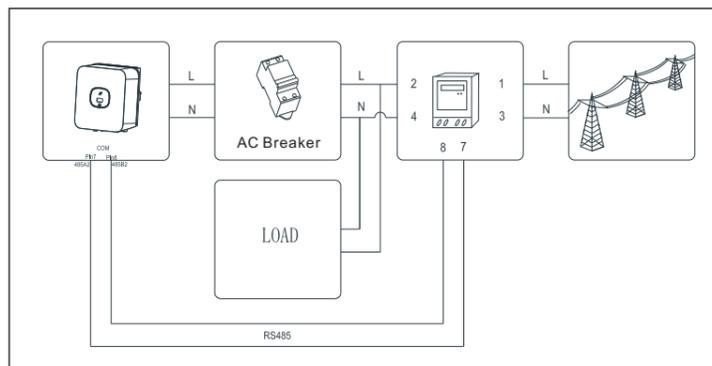
4. Connecting Meter

The following table describes how we can connect EASTRON meter (SDM230-Modbus) to inverter:



Meter Pin NO.	Description	Meter Connection
1	L-in	Grid L
2	L-out	Inverter L & Load L
3	N-in	Grid N ^①
4	N-out	Inverter N & Load N
5	RS485A	COM Pin 7 RS485A2
6	RS485B	COM Pin 8 RS485B2

The following table describes how we can connect CHINT meter (DDSU666) to inverter:



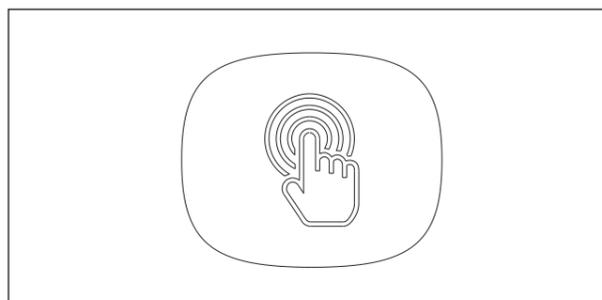
Meter Pin NO.	Description	Meter Connection
1	L-in	Grid L
2	L-out	Inverter L & Load L
3	N-in	Grid N ^①
4	N-out	Inverter N & Load N
7	RS485A	COM Pin 7 RS485A2
8	RS485B	COM Pin 8 RS485B2

Note: ^①For Australian market, installers can connect pin3 or pin4 to the neutral links/bars.

5. Verifying the Installation

1. The MIC TL-X series is installed correctly and securely.
2. The Monitor is installed correctly and securely.
3. The Ground cable is connected correctly and securely.
4. The DC switch and all the switches connecting to the MIC TL-X series are OFF.
5. The AC output power cable, DC input power cable and signal cable are connected correctly and securely.
6. Unused terminals and ports are locked by watertight caps.

6. Powering On the System



Touch button	Description
Single touch	Switch display or Number +1
Double touch	Enter
Three touch	Previous menu
Hold 5s	Confirm Country setting or Number recover default value

Step1: Turn on the AC switch between the MIC TL-X series and the power grid.
 Step2: Turn on the DC switch at the bottom of the MIC TL-X series.
 Step3: When the OLED show "Set country", Please Set the country follow the below step otherwise skip all steps.

Set Country
xxxxxxx

Step4: Single touch to switch Country, such as

Set Country
Newzealand

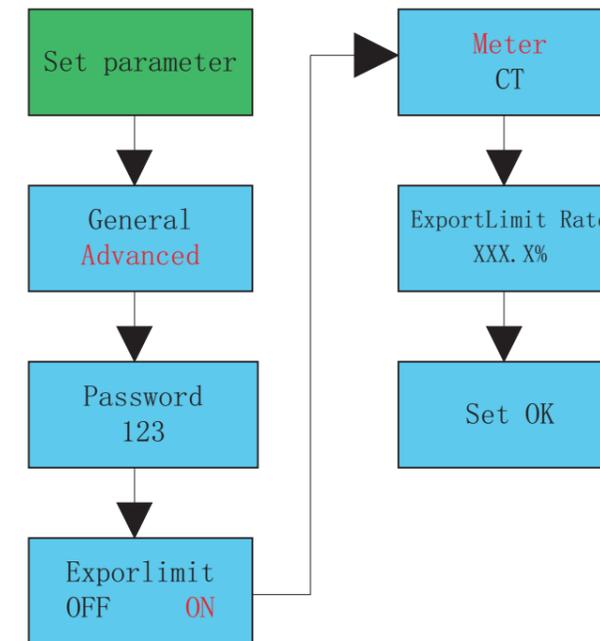
Step5: Press the touch key for 5s, the OLED shows Country setting is complete.

Set OK

Tips:

1. If the LED light is green, the system is operating normally.
2. You can reset the country by "Set Country" in the submenu of "Set parameter".

7. Export limitation setting



Under the permission given by your energy provider, the ratio of your system output power divided by the rated power of the inverter is called Export Limit Rate. For instance, if the energy provider only accepts 4kW from your 5kW system, then the Export Limit Rate of 5kW inverter is 80.0%.



Download
Manual



Growatt New Energy

Shenzhen Growatt New Energy Technology CO.,LTD
 No.28 Guangming Road, Shiyan Street, Bao'an District,
 Shenzhen, P.R.China
 T +86 0755 2747 1942
 E service@ginverter.com
 W www.ginverter.com
 GR-UM-193-A-01