GROWATT

1. Overview

MOD 3-10KTL3-XH Quick Guide



▲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





3. Electrical connection

	Please prepare the cable before connecting as follows.						
	No.	Cable name	Туре	Rec			
	1	Protective grounding wire	Single multi-core yellow-green wire	6			
	2	AC output wire	Two or three polychromatic multi-core copper wires	6			
	3	PV input wire	PV wire	4			
	4	Battery input wire	Battery wire	4			
	5	Communication wire	RS485				

3.1 Grounding

3.2 AC output connection





3.3 DC connection

3.3.1 PV/Battery input terminal installation









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.

3.3.2 Plug in PV/BAT terminal



3.3.3 Communication cable installation



3. is wi pu	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.						
No.	Description	Remarks					
1	+12V	Dry junction : external relay coil interface,					
2	сом	power is not more than 2W					
3	RS485A1	RS485 communication					
4	RS485B1	port					
5	RS485A3	Meter communication					
6	RS485B3	port					
7	RS485A2	Battery communication					
8	RS485B2	port					
9	BAT.EN+	Battery wake-up signal					
10	BAT.EN-	Dattery wake-up signal					
11	DRM1/5	Relay contact 1 input					
12	DRM2/6	Relay contact 2 input					
13	DRM3/7	Relay contact 3 input					
14	DRM4/8	Relay contact 4 input					
15	REF/GEN	GND					
16	DRM0/COM	/					
17	RS485A4	Backup box					
18	RS485B4	communication					
21	BOX.EN+	Backup box identification					
22	BOX.EN-	signal					

1.Before installing the PV terminal, please

double-check that the PV input voltage and

positive and negative poles and the one-to-

one correspondence between the terminals

current do not exceed the MPPT limits.

2.When installing the PV terminal, pay

attention to the difference between the

Note:

Active

Power

0%

30%

60%

100%

and the machine.

A Note:

When connecting the communication line, port 15 and 16 are not connected, as for the other function, please refer to the above table according to the customer needs.

4. Connecting Meter and Backup Box

The following table describes how we can connect EASTRON meter (TPM-E) and Backup Box to inverter:





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.



8. Export limitation setting



9. Service and contact



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Note:

Explain				
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			
Long press for 5s	The current data returns to the default value			
Red	Fault			
Green	Normal operation			
Red light flashing	Warning			
can display the basic information of inverter through LCD display				

screen (PV/AC voltage,PV power,AC current,total power,generating capacity, etc.).

Set OK

If the local grid company requires to limit the output power from your inverter systems, we introduce the concept of Export Limit Rate. The ratio of your system output power divided by the rated power of the inverter is called Export Limited Rate.For example, if the local grid companyonly accepts 4kW from your 5kW system, then the Export Limit Rate of 5kW inverter should be 80%





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