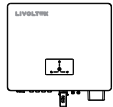
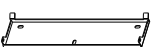


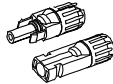
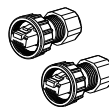
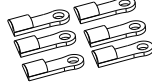







Quick Installation Guide

GT3 Series 4.0KW-25.0KW

II

Packing Lists

 Inverter * 1	 Bracket* 1	 Expansion Screws*3	 PV pin angle (positive*1/2/3, negative*1/2/3)
 PV terminal (positive*2/3/4, negative*2/3/4)	 RJ45 terminal*2	 O-shaped terminal*6	 Waterproof Cover*1
 User manual*1 Certificate card*1 Quick installation guide*1	 Meter *1(optional)	 Wi-Fi *1	 M5 Screws*4

I

Preparation Tools

 Bit Φ10 Hammer drill	 Rubber hammer	 Tape ruler	 Spirit level/Marker
 Protective glasses	 Dustproof Cover	 Wire crimpers	 Wire stripper
 DC Voltage (Range ≥ 1100V DC) Multimeter	 Euro terminal crimping tool	 Heat gun	 Multifunction terminal crimping tool (RJ45)

III

Inverter Installation

Step 1: Drill holes on the wall

- Locate the appropriate drilling holes and mark it with a marker pen.
- Drill holes with drill, make sure the holes are deep enough (at least 50mm) to support the inverter.

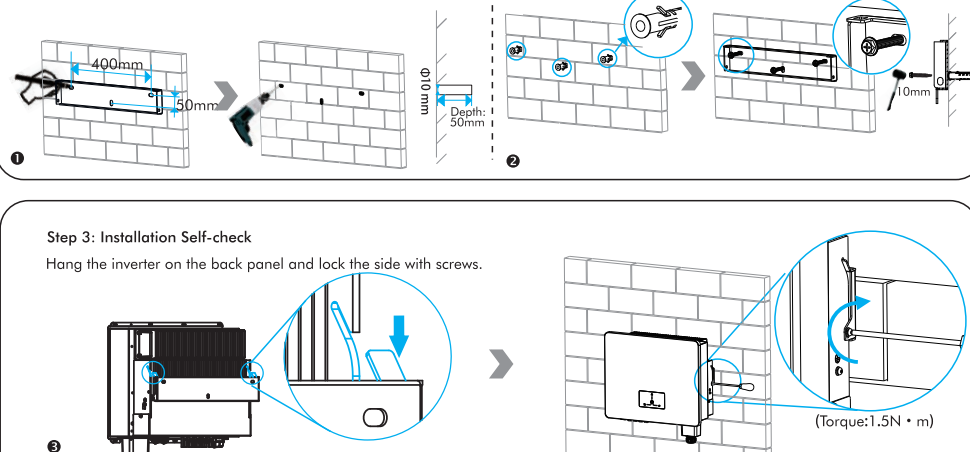
Step 2: Install the inverter to the wall

- Insert the expansion tubes into the holes and hang the back plate.
- Then tighten the screws to install it.

Step 3: Installation Self-check

Hang the inverter on the back panel and lock the side with screws.

(Torque: 1.5N·m)



IV

Ground Connection

- Step1: Prepare a 12AWG wire, strip it 5-7mm ;
- Step2: Through the Heat-shrink tube;
- Step3: Through the Ground terminal;
- Step4: Crimping terminal ;
- Step5: On Heat-shrink tube, tighten it;
- Step6: Use screws to fasten on the inverter; (torque: 1.5±0.2N·m)

Step 1: Strip 5-7mm of the 12AWG wire.

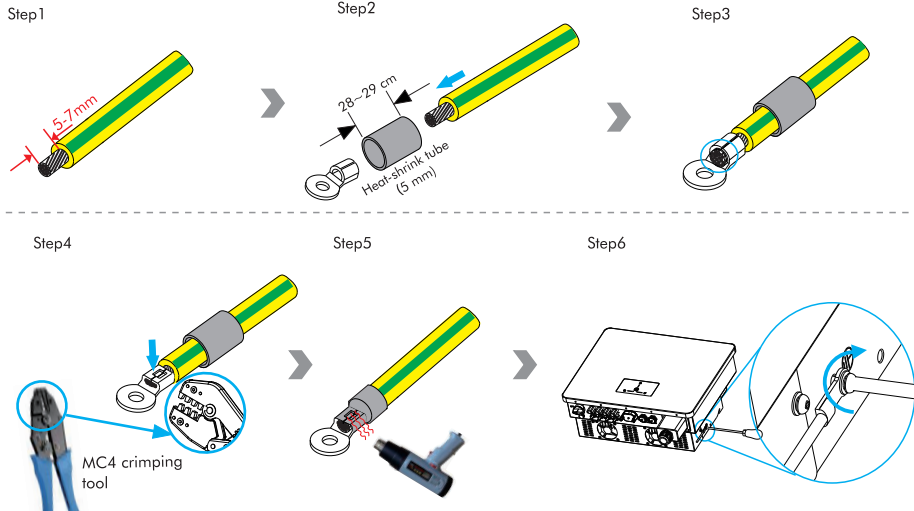
Step 2: Slide a 5mm heat-shrink tube over the stripped wire. Length: 28-29cm.

Step 3: Slide the heat-shrink tube over the ground terminal on the inverter.

Step 4: Use an MC4 crimping tool to crimp the terminal onto the wire.

Step 5: Tighten the terminal on the heat-shrink tube.

Step 6: Use a screw to fasten the terminal to the inverter. (Torque: 1.5±0.2N·m)



V

Grid Connection

- Step1: Cable diameter: GT3(4~25kW):8AWG;
- Puncture plug a, or drop plug a, And pass the Grid harness through the Grid cover.

Cable	AC cover combo
4~6mm ²	a+b
6~8mm ²	b

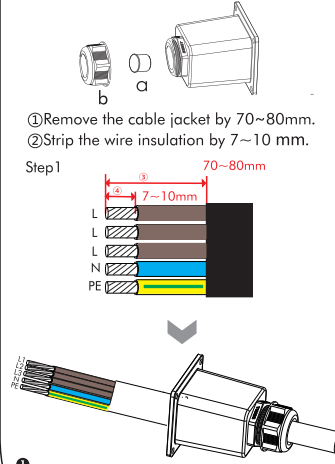
Step 1: Remove the cable jacket by 70~80mm. Strip the wire insulation by 7~10mm.

Step 2: Pass the grid harness through the AC cover.

Step 3: Insert the terminal, and press tightly; (Torque: 1.5±0.3N·m)

Step 4: Pass through terminal;

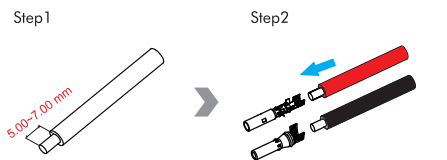
Step 5: Insert the inverter and tighten the screws, then lock waterproof cover. (Torque: 1.5±0.3N·m) (Torque: 3.0±0.3N·m)



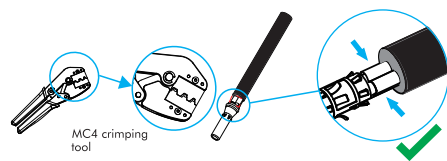
VI

PV Connection

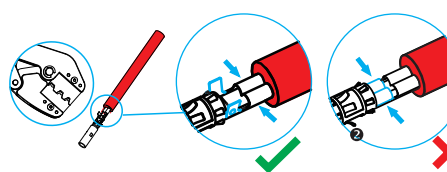
- Wire diameter:12AWG;
- Step1:Stripping:5~7mm ;
- Step2:Insert the PV+/PV- pin respectively ;
- Step3:Use crimping pliers to crimp it



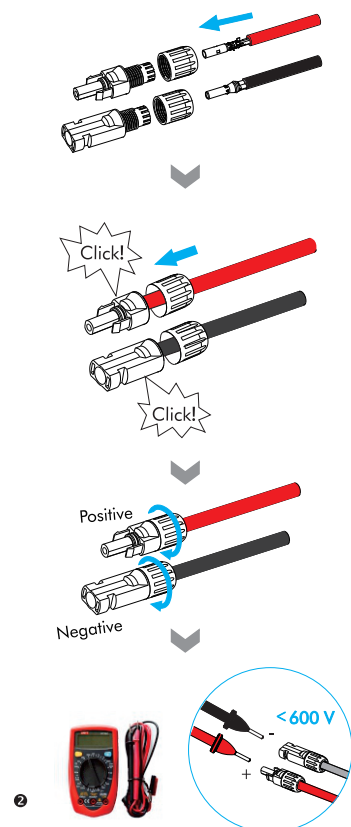
- Step 3
-PV+ crimping method:



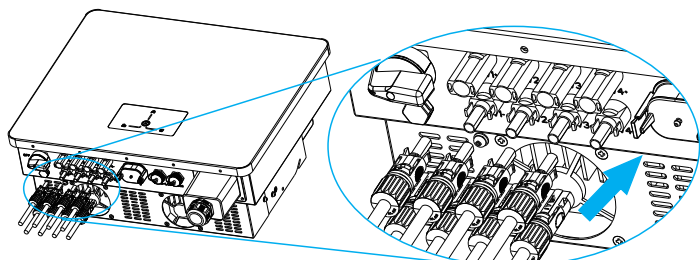
- Step 3
-PV- crimping method:



- Step4:Through the PV terminal
- Step5:Measure the PV+/PV- voltage(<600V)



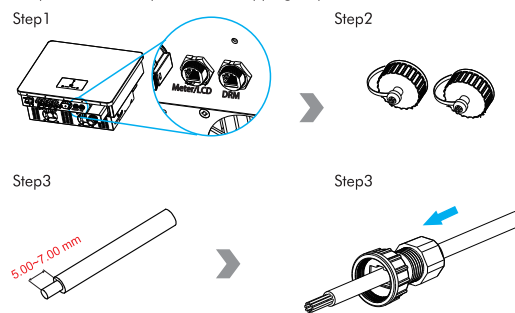
- Plug into inverter PV port



VII

Communication Connection

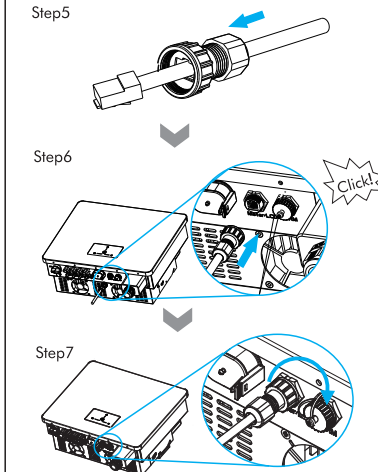
- Step1:Unscrew the screw and take off the cover;
- Step2:Pass the wire harness through the cover with the waterproof plug;
- Step3:and then strip the wire. Stripping requirements: 5~7mm.



- Prepare the connector and the communication cable, following the PIN denition and assembly order bellow ,then insert the cable into the corresponding RS485 port of the inverter, and tighten the waterproof connector.

PIN	1	2	3	4	5	6	7	8
DRM	DRM1/5	DRM2/6	DRM3/7	DRM4/8	3.3V	DRM0	3.3V	GND
Meter	X	485B1	485A1	X	X	X	X	X

- Step5:Correspondingly insert the DRM/Meter port;
- Step6:lock the cover. (Torque:1.2±0.1N·m)

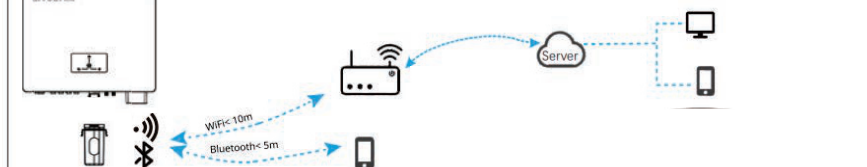


Note: For the detailed introduction of DRM and smart meter of external communication equipment, please refer to chapter 6.3 of the manual.

VIII

Wi-Fi Dongle Connection

Wi-Fi Dongle (Wi-Fi & Bluetooth 2in1 function) establish communication connection to the LIVOLTEK portal server through wireless network to provide local or remote monitoring, data logging and maintenance on the inverter.



Wi-Fi Dongle Connection Steps:

- Step 1 Remove the waterproof lid from the Wi-Fi/4G terminal.
 - Step 2 Insert the Wi-Fi Dongle into the communication port.
 - Step 3 Build the connection between the Wi-Fi dongle and home WiFi router by our livoltek App local mode.
- Refer the App guide manual delivered with the product or find it at our App homepage 'guide' (please install 'My Livoltek' APP on your phone firstly) You can also find it at our official website www.livoltek.com > service> guide

'My Livoltek' is a platform to communicate with your device via WiFi or bluetooth, you can login on our web(link as below) on your computer, also you can scan the QR code to download the APP on your phone.

APP: Search for My Livoltek on Apple App Store, Google Play.

WEB LINK1 : <https://www.livoltek-portal.com/> For Asia, Latin American, Australia and others

WEB LINK2 : <https://evs.livoltek-portal.com/> For Europe, Middle East Regions, Africa

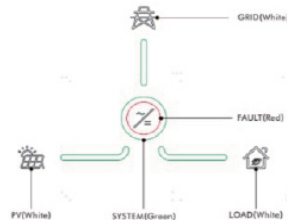


IX

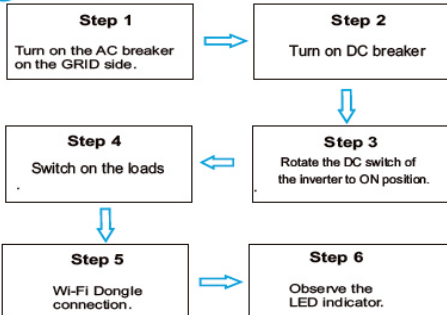
Power ON/OFF Inverter

A Inspection before Commissioning

No.	Content	State
1	All the switches connected to the inverter are set to the OFF position.	Yes No
2	The inverter is installed correctly and securely.	
3	All cables are connected correctly and securely.	
4	Unused cable holes are fitted using the waterproof nuts.	
5	The Wi-Fi Dongle is installed correctly and securely.	
6	The electrical conduit holes are sealed.	
7	The smart meter is connected.	



B Powering on the System



Color	Status	Description
Green	On	The inverter is running normally
	Off	Other statuses except Running
Red	Blink	System updating
	On	Fault occurs
	Off	No fault occurs
	Blink	Fault occurs

WARNING Before maintaining and commissioning inverter and its peripheral distribution unit switch off the charged terminals of the inverter, and wait at least 10 minutes after the inverter is powered off.

Note: The shutdown steps are opposite to the above order.

X

Initial Parameter Setting

