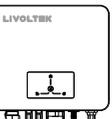
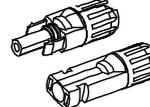
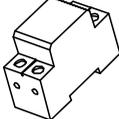
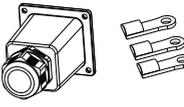


Quick Installation Guide

GT1 Series 1.6KW-10.0KW

II

Packing Lists

| | | | |
|--|---|---|--|
|  Inverter *1 |  Bracket* 1 |  Expansion Screws*3 |  PV pin angle (positive*1/2/3, negative*1/2/3) |
|  PV terminal (positive*1/2/3, negative*1/2/3) |  RJ45 terminal*2 |  M5 Screws*1 Earth Screw*1 |  Grid terminal*1 (only apply to GT1 1.6~6.0kW) |
|  User manual*1 Certificate card*1 Quick installation guide*1 |  Meter *1(optional) |  Wi-Fi *1 |  Grid Cover*1 O-shaped terminal*3 (only apply to GT1 7.0~10.0kW) |

I

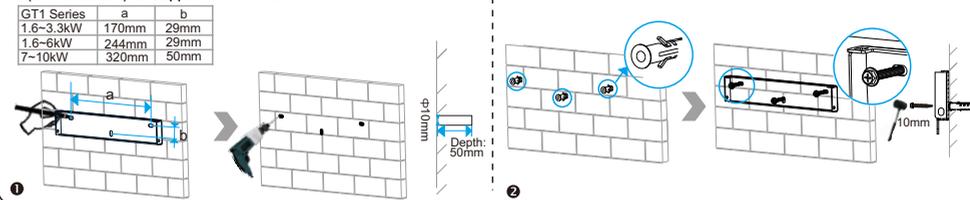
Preparation Tool

| | | | |
|--|---|--|---|
|  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) |

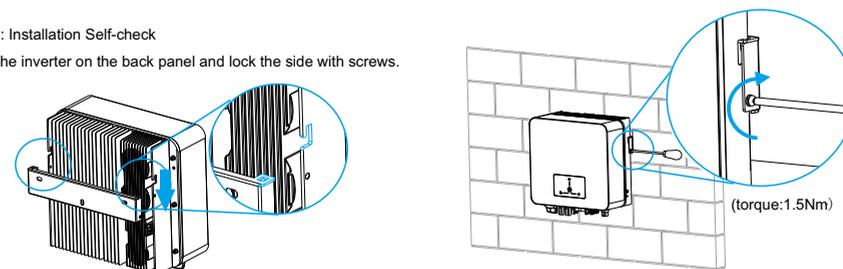
III

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.



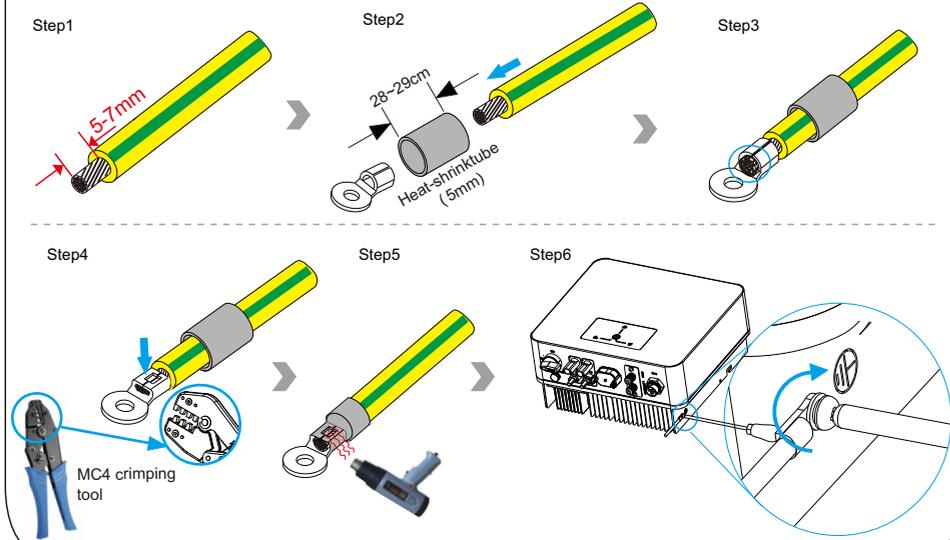
- Step 3: Installation Self-check
- Hang the inverter on the back panel and lock the side with screws.



IV

Ground Connection

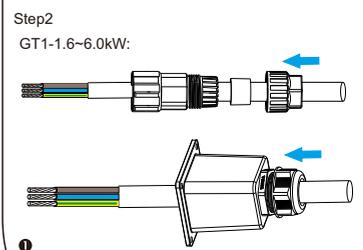
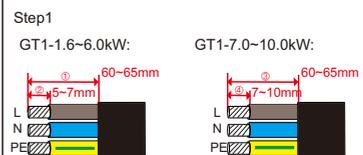
- Step1:Prepare a 12AWG wire, strip it 5-7mm;
- Step2:Pass through the Heat-shrink tube;
- Step3:Pass through the Ground terminal;
- Step4:Crimping terminal;
- Step5:On Heat-shrink tube,tighten it;
- Step6:Use screws to fasten on the inverter(torque:1.5±0.2N·m)



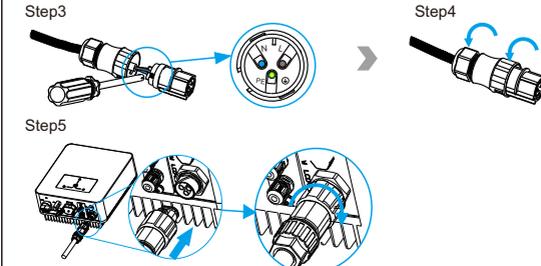
V

Grid Connection

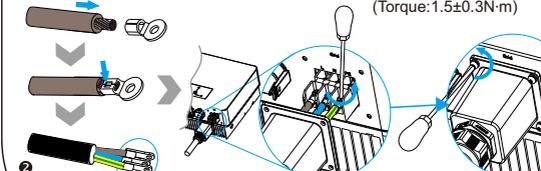
- Step1:Cable diameter: GT1(1.6~3.3kW):12AWG; GT1(3.6~6.0kW):10AWG;
- ①Remove the cable jacket by 50~60mm.
- ②Strip the wire insulation by 5~7 mm.
- GT1(7.0~10.0kW):8AWG;
- ③Remove the cable jacket by 50~60mm.
- ④Strip the wire insulation by 7~10 mm.
- Step2:Pass through terminal;



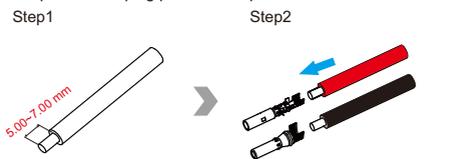
- GT1-1.6~6.0kW:
- Step3:Press to insert L/N/PE port and lock (Torque:0.8±0.1N·m)
- Step4:Tighten it.(Torque:1.5±0.3N·m)
- Step5:Insert the inverter, tighten it.(Torque:1.5±0.3N·m)



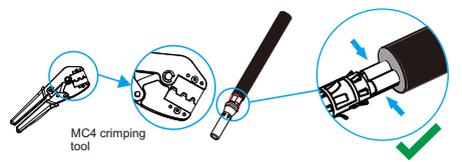
- GT1-7.0~10.0kW:
- Step3:Insert the terminal,and press tightly ; (Torque:1.5±0.3N·m)
- Step4:Insert the inverter and tighten the screw , then lock waterproof cover. (Torque:1.5±0.3N·m)



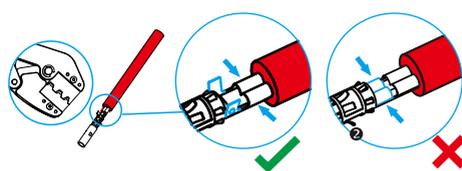
- Wire diameter:12AWG;
- Step1:Stripping:5~7mm;
- Step2:Insert the PV+/PV- pin respectively;
- Step3:Use crimping pliers to crimp it



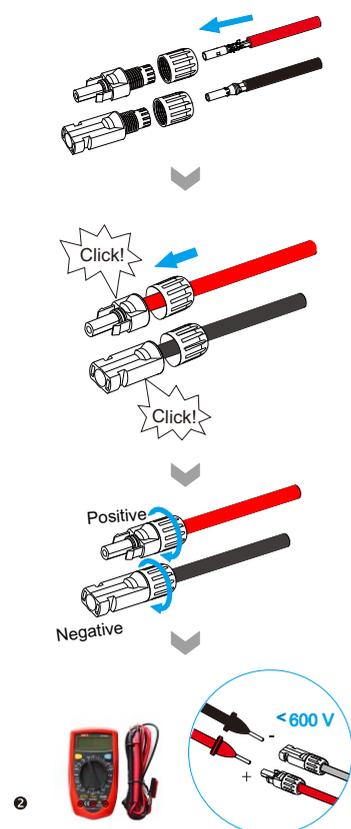
- Step3
- PV+ crimping method:



- Step3
- PV- crimping method:



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

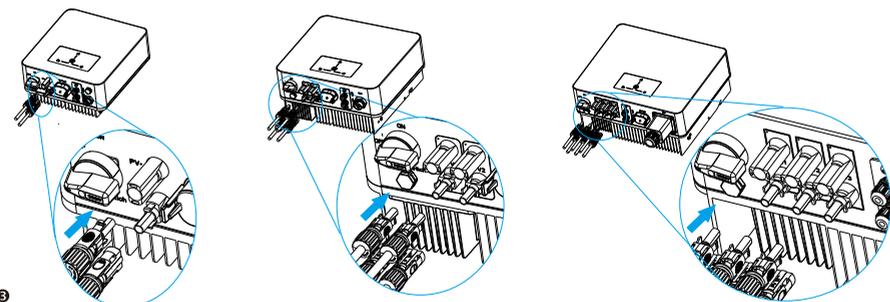


- Step6:Plug into inverter PV port

GT1-1.6~3.3kW

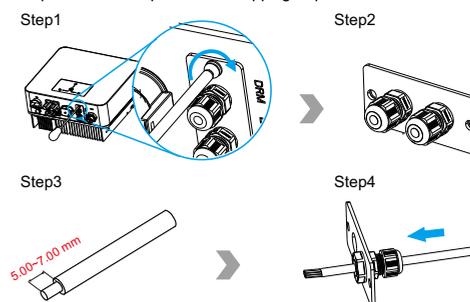
GT1-3.6~6.0kW

GT1-7.0~10.0kW



6

- 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.

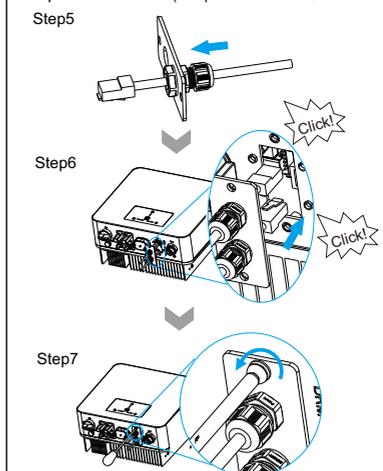


- Prepare the connector and the communication cable, following the PIN denition and assembly order below, then insert the cable into the corresponding RS485 port of the inverter, and tighten the waterproof connector.

| 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 | 485A2 | X | X | X | X | 485B2 | X |

1

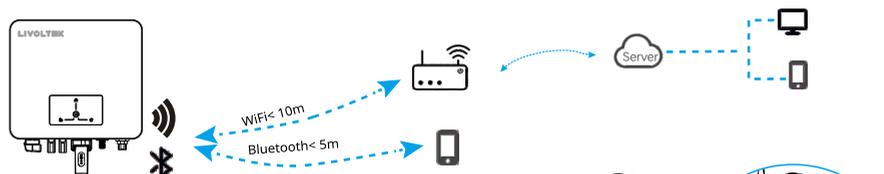
- Step5:Correspondingly insert the DRM/Meter port;
- Step6:lock the cover.(Torque:1.2±0.1N·m)



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

2

You can use the following communication modes to implement communication: Bluetooth and Wi-Fi, The Wi-Fi with built-in Bluetooth module for local monitoring and managing, all of which are described as follows:
Monitoring module connection diagram:



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)

'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.

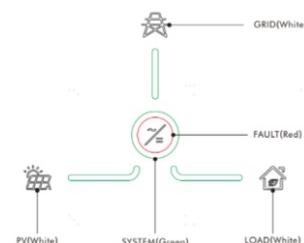
WEB LINK1 : <https://www.livoltek-portal.com/> For Asia, Latin American, Australia and others

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

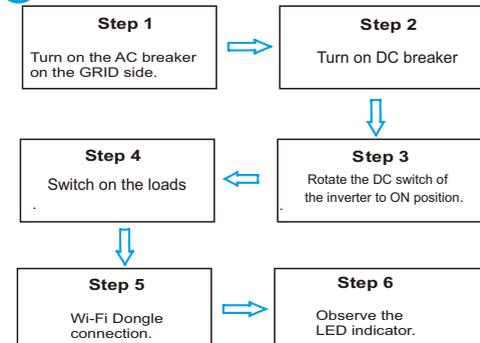


A Inspection before Commissioning

| 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 |
| | Blink | System updating |
| Red | On | Fault occurs |
| | Off | No fault occurs |
| | Blink | Fault occurs |

WARNING Before maintaining and commissioning inverter and its peripheral distribution unit switch off all 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.

