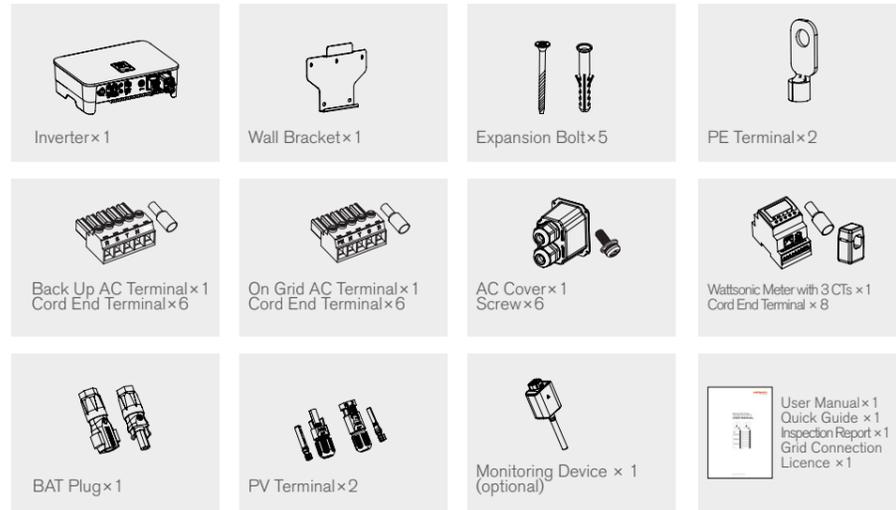
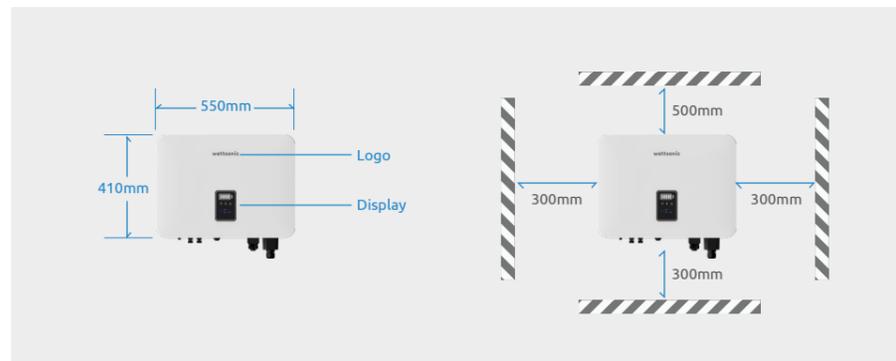


1 Quick Installation

1.1 Packing List



1.2 Installation Spacing



1.3 Mounting the Inverter

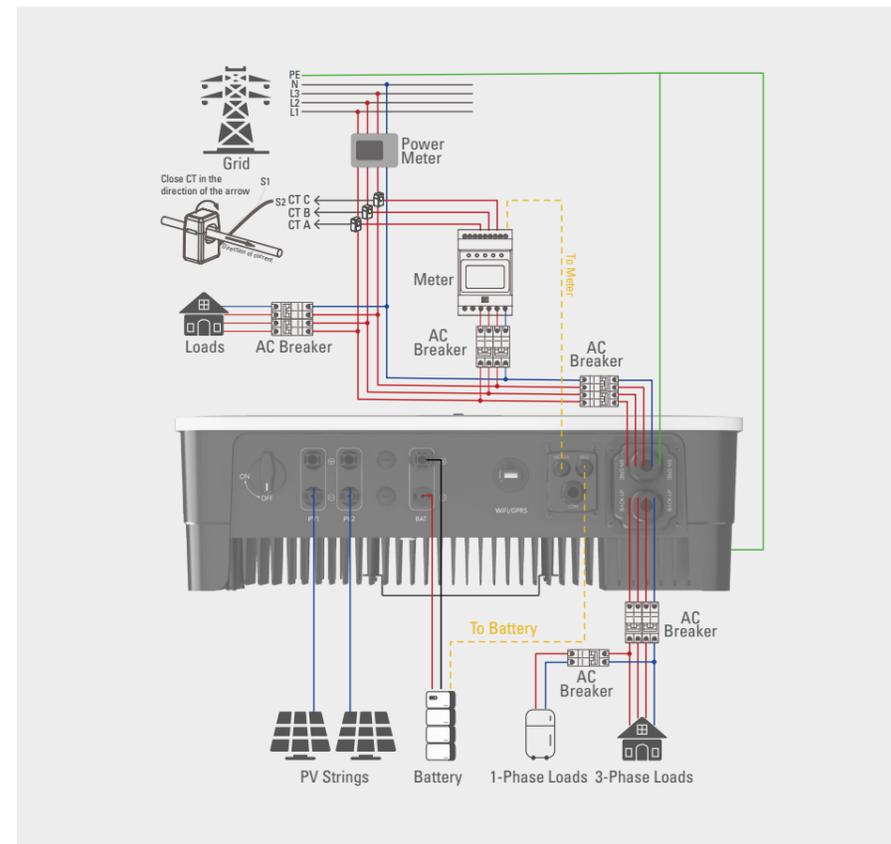
Use the wall bracket as the template to mark the position of 5 holes on the wall.
Use an electrical driller with 10mm diameter bit to drill 5 holes on the wall and make sure hole depth is 80mm.



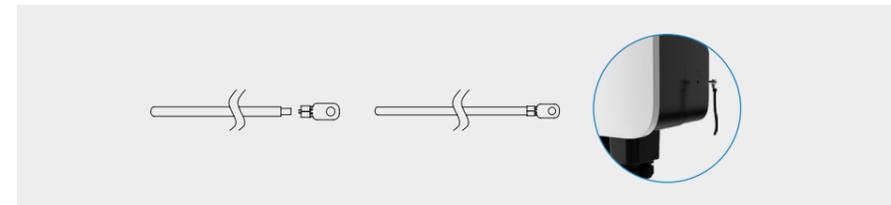
Insert the expansion tubes into the holes and tighten them, then fix the bracket onto the wall with expansion screws by using a cross screwdriver. Lift up the inverter with both hands, hang the back rail on the fixed wall bracket carefully.



1.4 Electrical Wiring Diagram

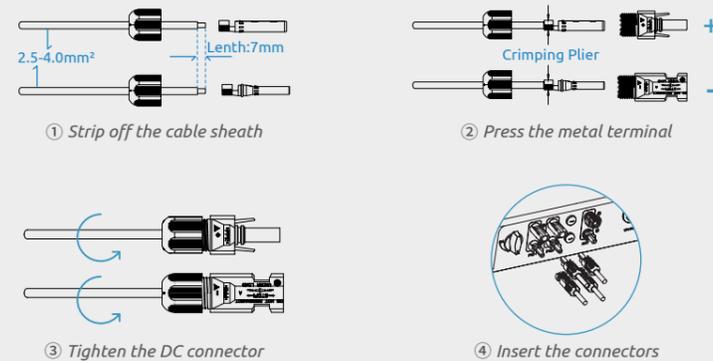


1.5 Ground Terminal Connection



1.6 PV Connector Assembly Procedure and Connection

| Cable type | Conductor cross-sectional area (mm ²) | |
|----------------------------|---|-------------------------------------|
| | Scope (mm ²) | Recommended value(mm ²) |
| General photovoltaic cable | 2.5-4.0 | 4.0 |



QUICK INSTALLATION GUIDE

WTS 4~12kW - 3P Series
Three Phase Storage Inverter



WATTSONIC SERVICE GLOBAL CONTACT

WATTSONIC CHINA
B1-416, NO. 200 Linghu Road, Xinwu District, Wuxi 214110, CHINA
T.+86 510 8102 6876
E.service@wattsonic.com

1.7 Inverter Battery Connector Assembly Procedure

| Cable type | Conductor cross-sectional area (mm ²) | |
|------------|---|---|
| | Outside diameter (mm ²) | Conductor core section (mm ²) |
| AWG 10 | 5.5-8.0 | 4.0-6.0 |

- Strip off the cable sheath
- Open the clamping bracket
- Insert the cable and toggle the clamping bracket
- Lock the connector
- Insert the connectors

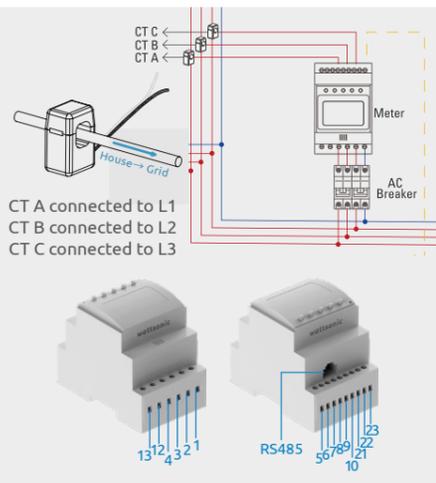
1.8 AC Output Connector Connection

| Model | WTS-4KW-3P | WTS-5KW-3P | WTS-6KW-3P | WTS-8KW-3P | WTS-10KW-3P | WTS-12KW-3P |
|--|------------|------------|------------|------------|-------------|-------------|
| Outside diameter (mm) | 12-18 | 12-18 | 12-18 | 12-18 | 12-18 | 12-18 |
| Conductor core section(mm ²) | 2.5-10 | 2.5-10 | 2.5-10 | 3.2-10 | 4-10 | 6-10 |
| Breaker (A) | 20 | 20 | 20 | 32 | 32 | 40 |

- Peel off the insulation sleeve
- Insert the cables through the connector cover
- Press the cord end terminals and lock it
- Insert the assembled AC connector

1.9 CT and Meter Connection

| No. | Definition | Function |
|-------|------------|---|
| 1 | L1 | L1/L2/L3/N connect to grid to detect power grid voltage |
| 2 | L2 | |
| 3 | L3 | |
| 4 | N | |
| 5 | L1-S1 | Connect CT to detect current |
| 6 | L1-S2 | |
| 7 | L2-S1 | |
| 8 | L2-S2 | |
| 9 | L3-S1 | Power supplied from 220V grid |
| 10 | L3-S2 | |
| 12 | L | Power supplied from 220V grid |
| 13 | N | |
| RS485 | RS485 | Communicate with inverter |



1.10 Inverter Communication Connection

| Type | Definition |
|--------|--|
| METER | Communicate with Meter |
| BMS | Communicate with BMS |
| DRED | For Australia use/One key to shut off |
| PARCAN | Parallel CAN communication bus interface |
| EMS | EMS power dispatching interface |
| RLYOUT | Dry contact output, a group of normally open contact passive dry contact |

| No. | 1 | 2 | 3 | 4 | 5 | 6 |
|------------|-------|-------|---------|---------|---------|--------|
| Definition | CAN_H | CAN_L | RS485_B | RS485_A | RLY_COM | RLY_NO |

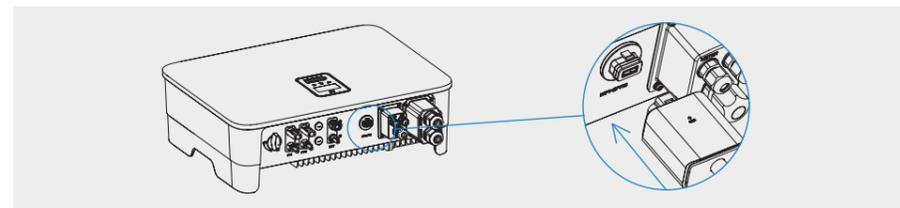
Parallel connection/EMS/relay output dry contact terminal

| No. | 1 | 2 | 3 | 4 | 5 | 6 |
|------------|----------|--------|--------|--------|---------|--------|
| Definition | COM/DRMO | REFGEN | DRM4/8 | DRM3/7 | DRM 2/6 | DRM1/5 |

DRED terminal

Communication Connection

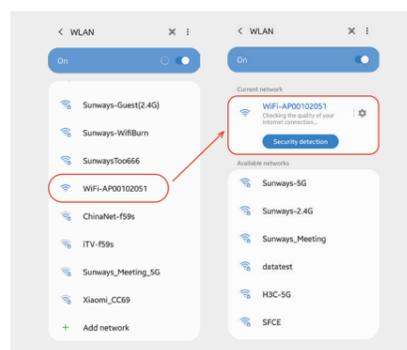
1.11 Monitoring Device Installation



2 WiFi Module Configuration Guide

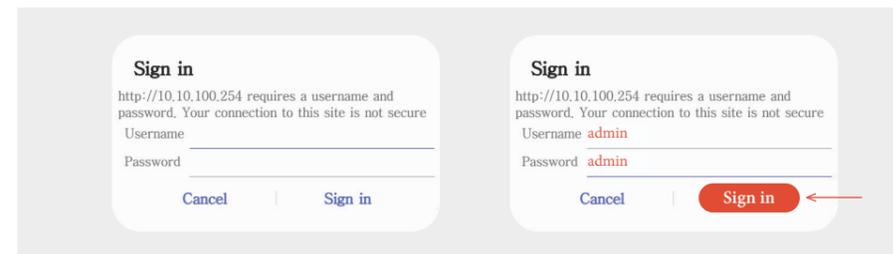
2.1 WiFi module configuration.

- Insert the WiFi module into the COM port at the bottom of the inverter and power on the inverter, and the indicator on the module is off now.
- Prepare a laptop or Smartphone and turn on the WLAN connection.
- Search for the WiFi name WiFi-AP***** which released by the module (*represents the last 8 numbers of the data logger SN) and click the WiFi name.
- WiFi connection succeeded as shown on the right.



2.2 Open the browser and browse 10.10.100.254

You will see the following picture, input the username and password "admin" and click "Sign in".



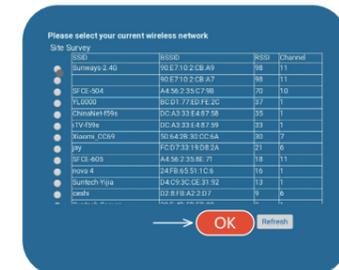
2.3 You will enter the interface "System".

Note: Click the "Chinese/English" in the upper right corner to switch the interface language.



2.5 Select the WiFi that you are going to connect and click "OK".

Note: Only support 2.412GHz-2.484GHz router at present.

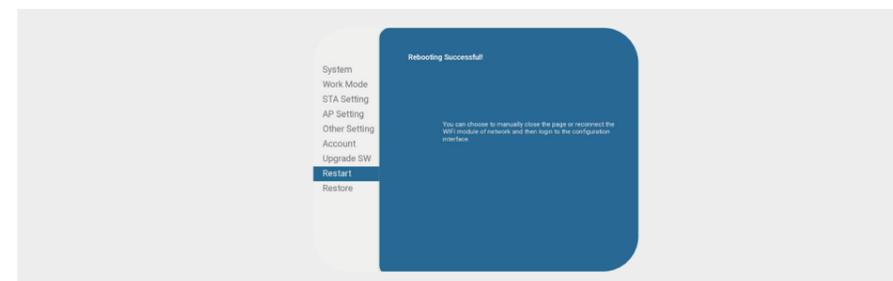


2.7 Input the password in the blank and click "Save".

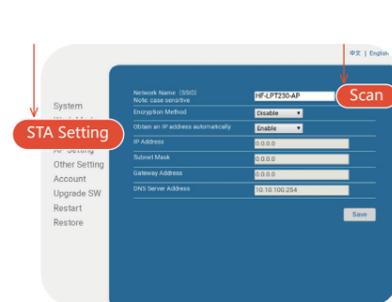
Note: Password is case sensitive.



2.9 After the configuration succeeded, the indicator on the WiFi module will be always on.



2.4 Click "STA Setting" to enter the WiFi configuration interface, and click "Scan" a list of WiFi network will show up.



2.6 Now, a notice will pop-up and reminds you to input the WiFi password, click "OK".



2.8 The system will show "Saved Successfully!", click "Restart" to complete the WiFi configuration.

