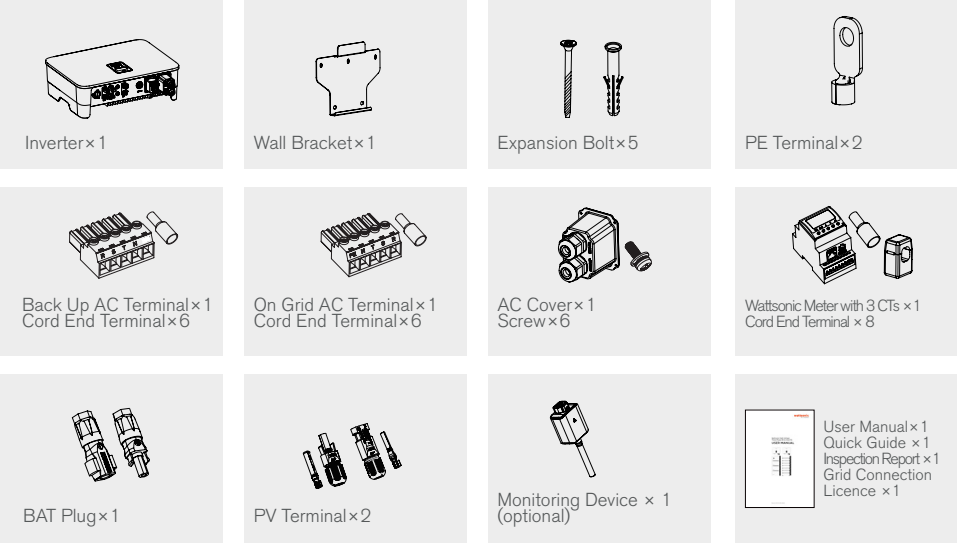
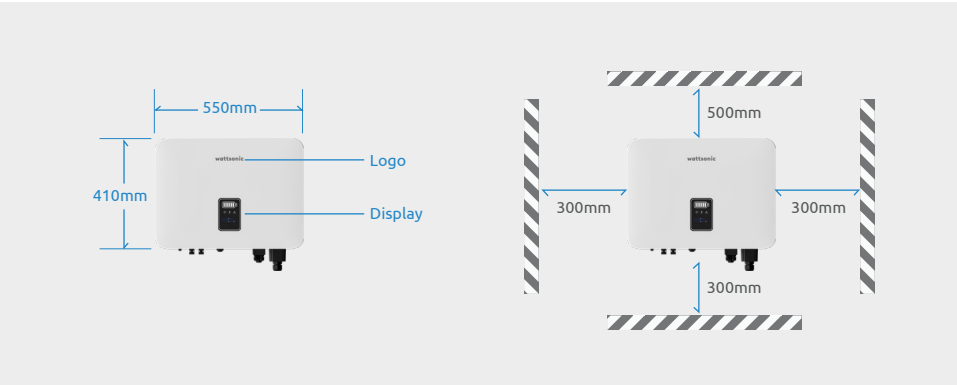


# 1 Quick Installation

## 1.1 Packing List

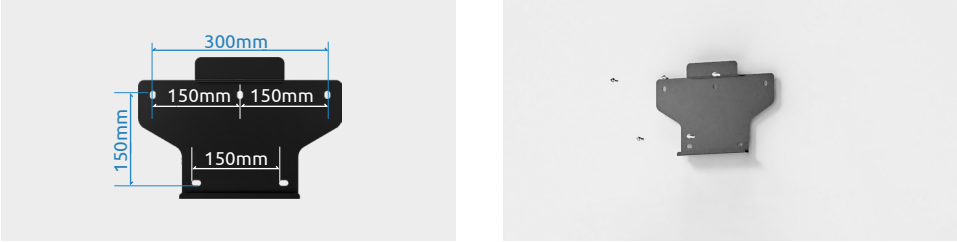


## 1.2 Installation Spacing



## 1.3 Mounting the Inverter

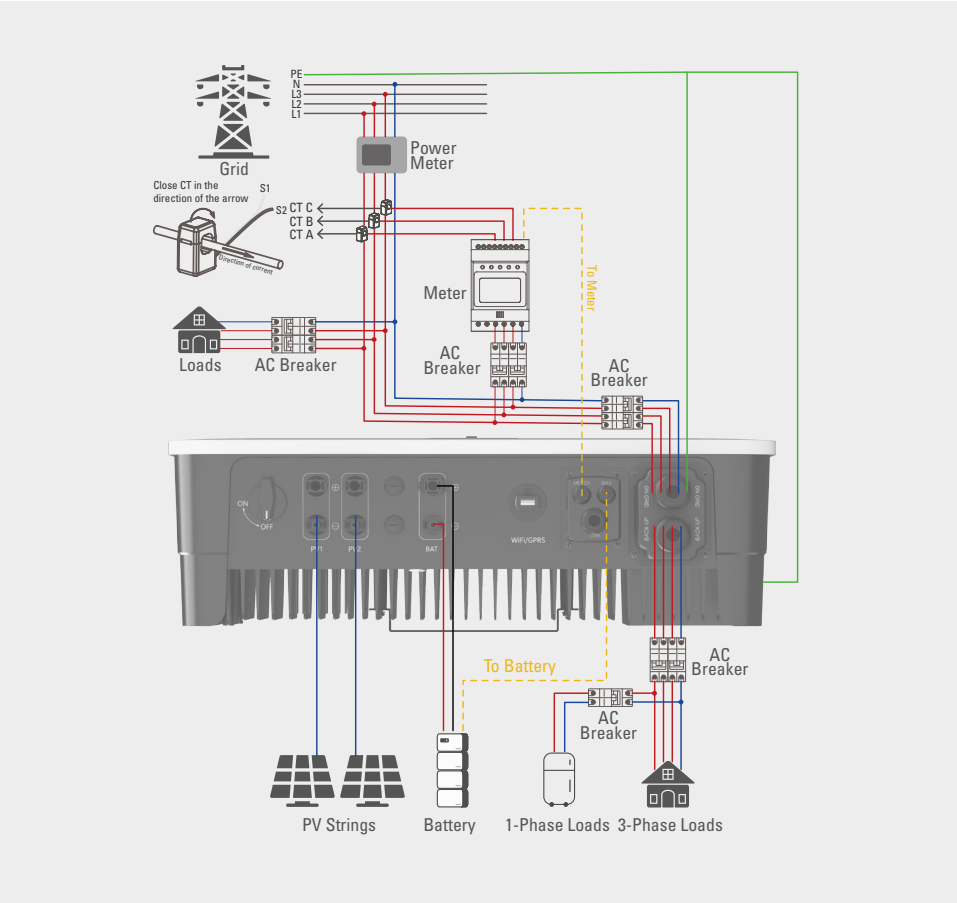
Use the wall bracket as the template to mark the position of 5 holes on the wall.  
Use an electrical driller with 10mm diameter bit to drill 5 holes on the wall and make sure hole depth is 80mm.



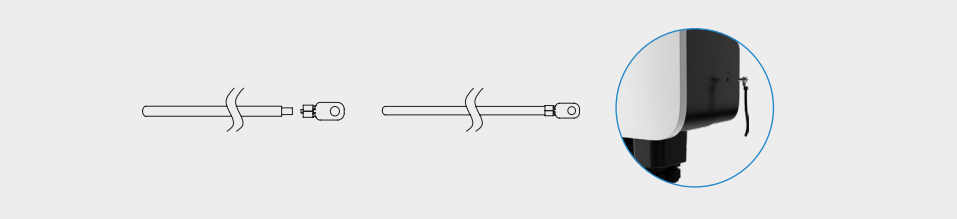
Insert the expansion tubes into the holes and tighten them, then fix the bracket onto the wall with expansion screws by using a cross screwdriver. Lift up the inverter with both hands, hang the back rail on the fixed wall bracket carefully.



## 1.4 Electrical Wiring Diagram



## 1.5 Ground Terminal Connection



## 1.6 PV Connector Assembly Procedure and Connection

Cable type	Conductor cross-sectional area (mm²)	
	Scope (mm²)	Recommended value(mm²)
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 (mm²)

Outside diameter (mm²)

Conductor core section (mm²)

AWG 10

5.5-8.0

4.0-6.0

Wire transverse area

5.5-8.0mm²

15mm

① Strip off the cable sheath

② Open the clamping bracket

③ Insert the cable and toggle the clamping bracket

④ Lock the connector

⑤ 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(mm²)	2.5-10	2.5-10	2.5-10	3.2-10	4-10	6-10
Breaker (A)	20	20	20	32	32	40

Wire Diameter:12-18mm

Strip Length:8mm

① Peel off the insulation sleeve

② Insert the cables through the connector cover

③ Press the cord end terminals and lock it

④ 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

10

L3-S2

12

L

Power supplied from 220V grid

13

N

RS485

RS485

Communicate with inverter

CT C

CT B

CT A

House

Grid

Meter

AC Breaker

CT A connected to L1

CT B connected to L2

CT C connected to L3

1.10 Inverter Communication Connection

METER

BMS

PARCAN

EMS

RLYOUT

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 PAR

EMS

RLY OUT

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

BMS COM Cable

Cables

Screw cap

The insulator

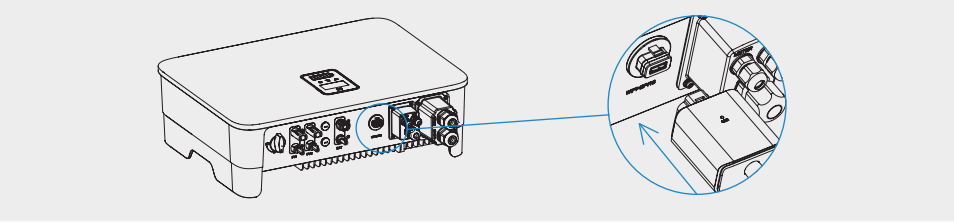
Single hole seal ring

Com sheet cover

Screw

Communication Connection

1.11 Monitoring Device Installation



2 WiFi Module Configuration Guide

2.1 WiFi module configuration.

- A. 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.
- B. Prepare a laptop or Smartphone and turn on the WLAN connection.
- C. 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.
- D. 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”.

10.10.100.254

http://10.10.100.254

http://10.10.100.254

Sign in

http://10.10.100.254 requires a username and password. Your connection to this site is not secure

Username

Password

Cancel

Sign in

Sign in

http://10.10.100.254 requires a username and password. Your connection to this site is not secure

Username admin

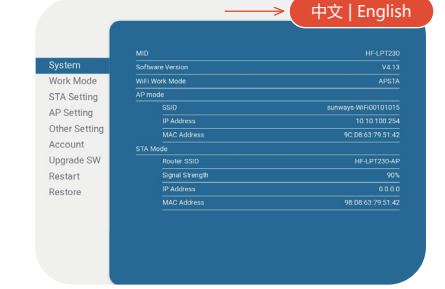
Password admin

Cancel

Sign in

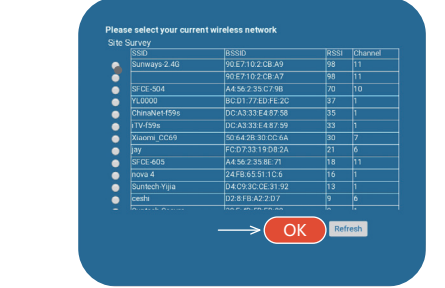
2.3 You will enter the interface “System”.

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.

Rebooting Successful

You can choose to manually close the page or reconnect the WiFi module of network and then login to the configuration interface

Restart

Back