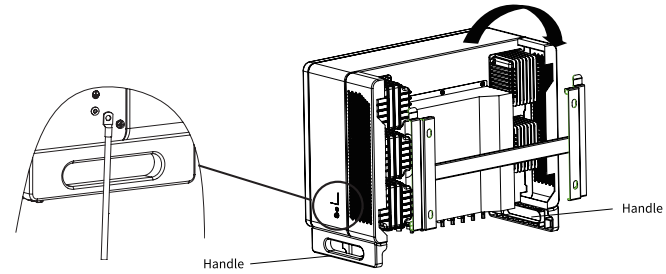
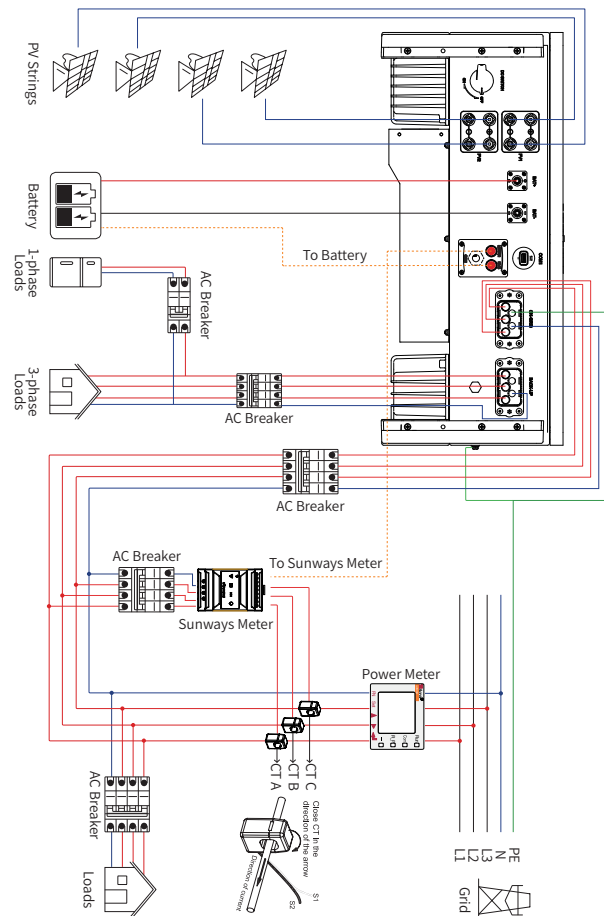


04 Mounting the inverter

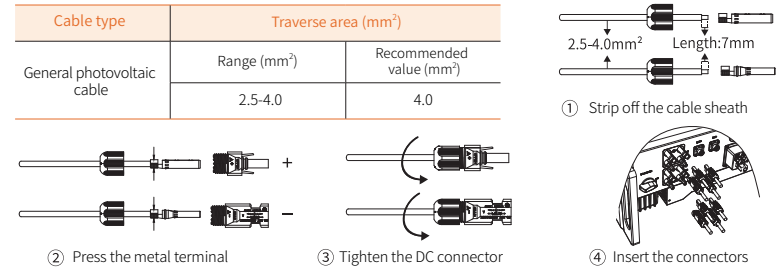
Lift the inverter, hang the back rail on the fixed wall bracket carefully. Fix the grounding terminal to the PE wire with a proper tool and lock the grounding terminal to the grounding hole in the lower right side of the inverter.



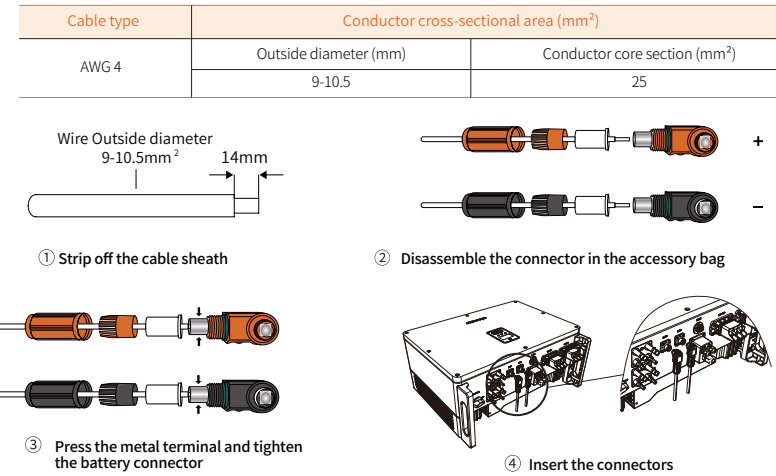
05 Electrical wiring diagram



06 PV connector assembly procedure and connection

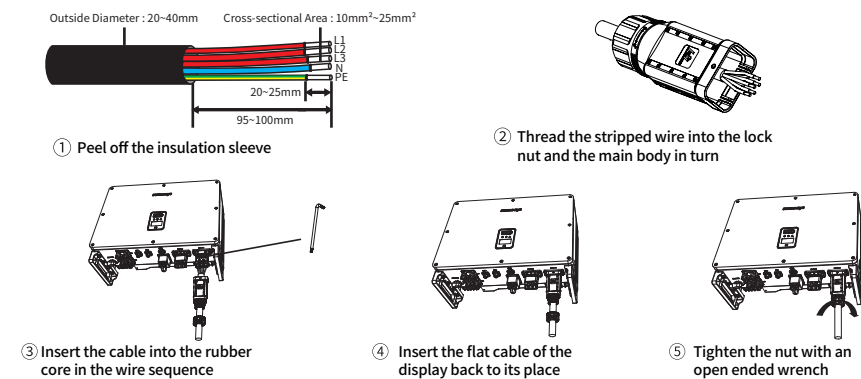


07 Inverter battery connector assembly procedure

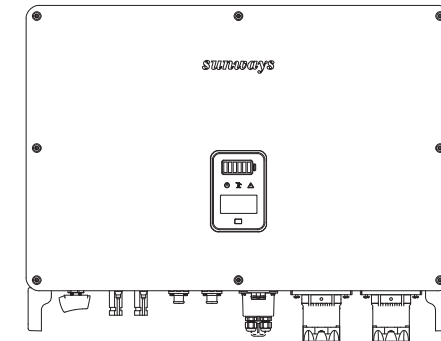


08 AC Output Connector (onnection)

Model	STH-15KTL-HT	STH-17KTL-HT	STH-20KTL-HT	STH-25KTL-HT	STH-29.9KTL-HT	STH-30KTL-HT	STH-33KTL-HT
Copper Cable Conductor core section(mm ²)	6-10	8-10	8-10	16-25	16-25	16-25	16-25
AC Circuit Breaker(A)	32	40	40	50	63	63	63



sunways



QUICK INSTALLATION GUIDE

STH 15-33KTL-HT Series
Three Phase Storage Inverter

Sunways Technologies Co.,Ltd.

Hotline: +86 400-9922-958

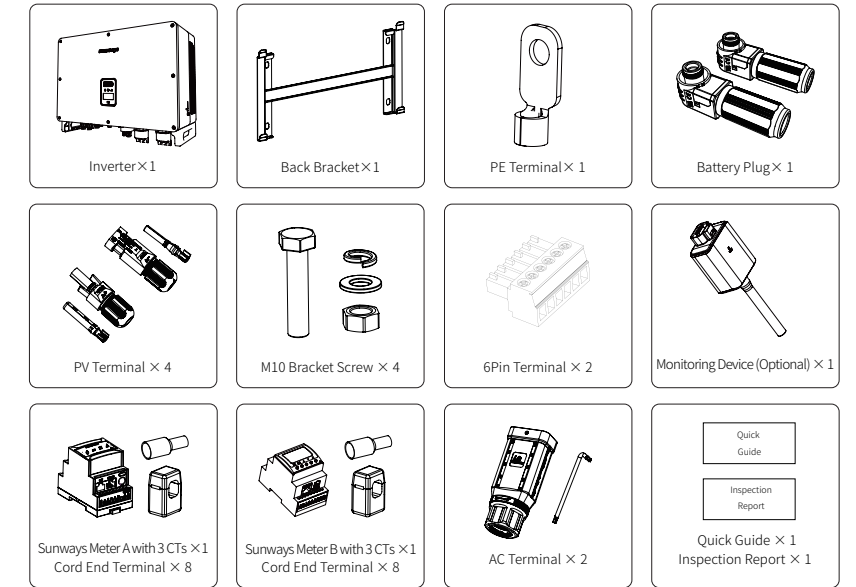
Website: www.sunways-tech.com

Address: No. 1, Second Road, Green Industrial Zone, Chongshou Town,
Cixi City, ZheJiang Province, PEOPLE'S REPUBLIC OF CHINA

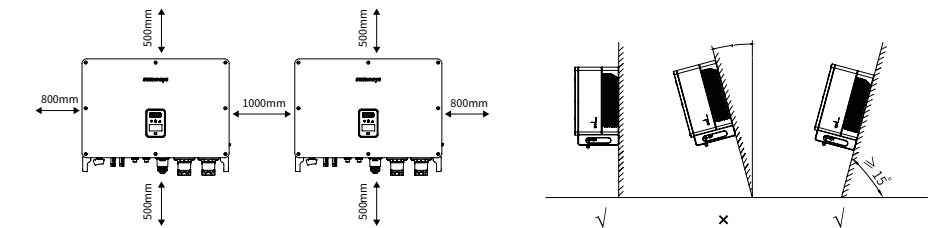
S11-00071-00

Part 1 Inverter installation and wiring

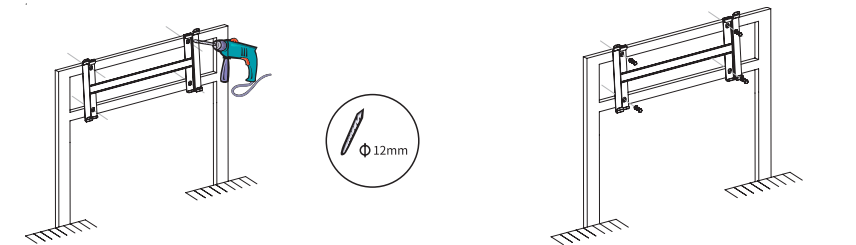
01 Packing List



02 Installation Spacing and Angle

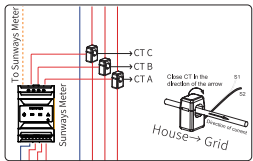


03 Wall bracket installation



09 CT and Meter connection

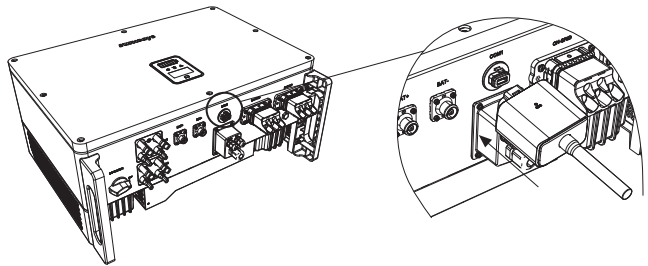
NO.	Definition	Function	NO.	Definition	Function
1	L1	L1/L2/L3/N connect to grid to detect power grid voltage	1	L1	L1/L2/L3/N connect to grid to detect power grid voltage
2	L2		2	L2	
3	L3		3	L3	
4	N	Connect CT to detect current	4	N	Connect CT to detect current
5	L1-S1		5	L1-S1	
6	L1-S2		6	L1-S2	
7	L2-S1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



CT A connected to L1
CT B connected to L2
CT C connected to L3

10 Monitoring device installation

Plug the WIFI,LAN,4G or GPRS module into the COM1 port in the bottom of inverter, A slight "click" sound during the installation represents that the assembly is in place.



Note

- The WiFi version module needs to be configured to the router for the first installation. If the router name or password are changed, the WiFi dongle will need to be reconfigured. For details, please refer to the (WiFi module configuration guide) which is below to this document.
- If DHCP is enabled on the router, the LAN version module does not need to be configured. Otherwise, please refer to the (LAN module configuration guide) which is below to this document.

11 Start the Inverter

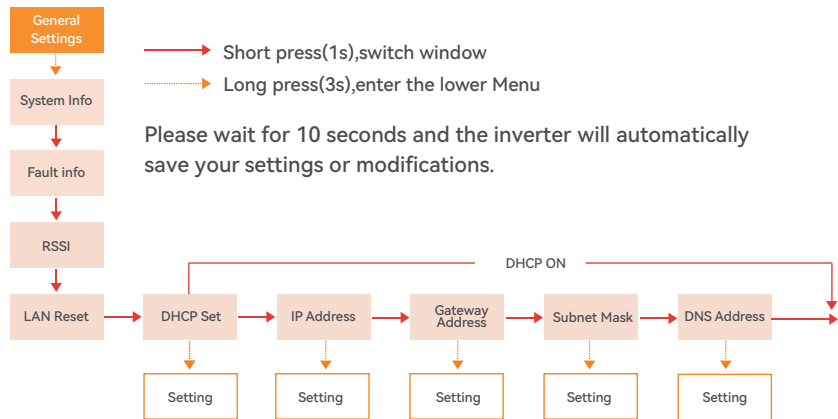
- Turn on the AC breaker first (close the AC circuit breaker)
- Turn the DC switch in the inverter bottom to the "ON" position.
- Turn on the lithium battery switch.
- The inverter will start to check the DC and AC input parameters and self-check. If everything is normal, the inverter will start to work according to the workmode which you set on the App. The inverter display and indicators will show relative parameters and status.

Part 2 LAN Module Configuration Guide

01 LAN module configuration guide

If DHCP is disabled on the router, the LAN version module will need to be configured on inverter screen.

- Find the "General Settings" by short pressing the button on the inverter screen.
- Enter the "General Settings" by long pressing the button on the inverter screen.
- Find "DHCP set" by short pressing the button, then turn off DHCP function by short pressing and long pressing the button on the inverter screen.
- Then set the "IP Address", "Gateway Address", "Subnet Mask" and "DNS Address" by short pressing and long pressing the button on the inverter screen.



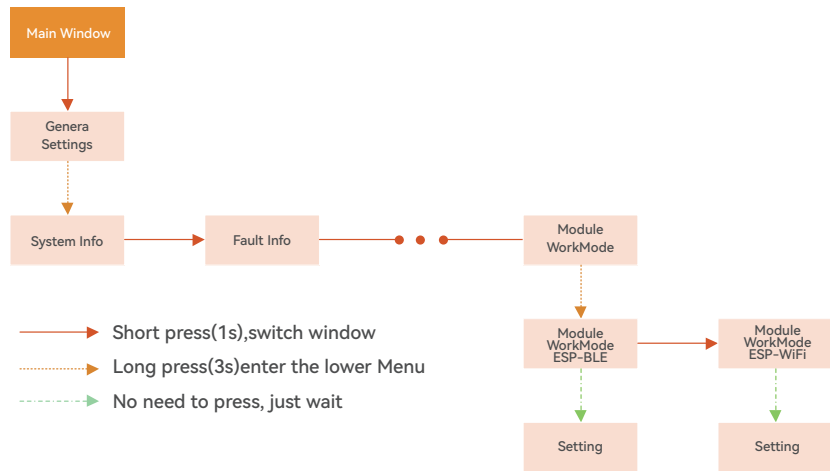
Part 3 WiFi 2.0 Module Configuration Guide

01 Overview

WiFi 2.0 is a new generation of WiFi monitoring module from Sunways, with two modes: Bluetooth and WiFi. The default mode is Bluetooth after hybrid inverter is connected to WiFi 2.0.

02 Bluetooth -WiFi mode switching methods

There are two ways to switch between Bluetooth and WiFi mode. One is to switch quickly by pressing and holding button for 3 seconds when it is on the home page. The other is as follows:



03 Sunways setup app download method

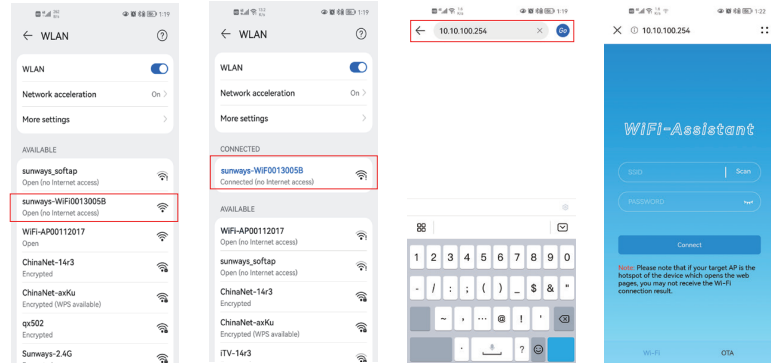
Sunways Setup APP is a mobile application that communicates with hybrid inverters over Bluetooth and allows you to monitor real-time status and configure parameters.

Scan the QR code to download and install the app.



04 Configuration

- Prepare a laptop, tablet or smart phone and turn on the wireless network function on the device.
- Searching for the corresponding WLAN in the WLAN connection list "Sunways-WiFi*****" ("4" represents digital), and tap connect.
- The system information interface will automatically pop up; If not, manually open the browser and enter 10.10.100.254.



- Tap "Scan", A list of WiFi network names pop up.
- Click and select the corresponding router network you want to configure.
- Input the password of wireless network, (note the case difference), Tap "Connect".
- If connected successfully "Connection succeeded" will be displayed. After successful configuration, the indicator status of WiFi 2.0 module will be steady on.

