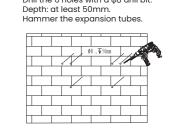
Quick Installation Guide





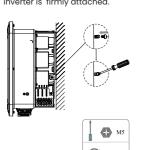
Depth: at least 50mm



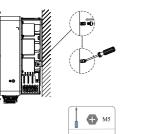
Match the inverter with wall bracket.



(Left and right). Make sure the inverter is firmly attached.



Lock the screws on the side



RJ45 Wiring

The machine has three RJ45 terminals, which are meter, Ethernet, The definition of meter part pin is as follows:

PIN Port		2						
Meter	meter 485B	meter 485A	1	1	1	1	meter 485B	meter 485A
The defi	nition of	Ethern	net port	pin is o	as follo	NS:		

PIN 1 2 3 4 5 6 7 8

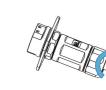
Ethernet	TX+	TX-	RX+	/	/	
		(0 0) (. ,		_

distance as shown below.

Ethernet	TX+	TX-	RX+	/	/	/	RX-
The defi	nition o	f DRM	oort pir	is as fo	ollows:		
PIN	1	2	3	4	5	6	7

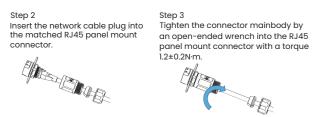
DRM +3.3V DRMI DRM2 DRM3 DRM4 DRM0 GND GND



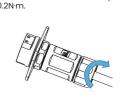


Installation Procedure of the RJ45 Connector

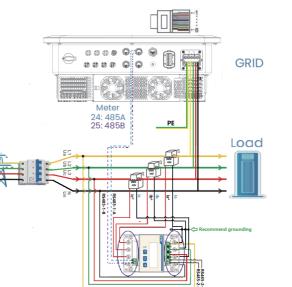
Insert the network cable into the wire-locking nut, sealing plug and mainbody in turn. The sealing plug is stuck into the network cable through the gap on the sealing side. through the gap on the sealing side

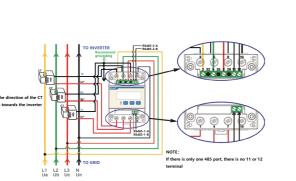


Insert the sealing plug into Tighten the connector's nut by ar end connector.



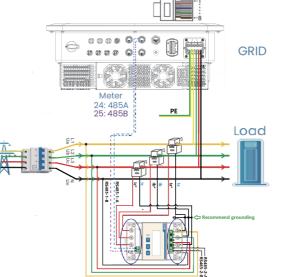
Insert L1/L2/L3/N wires, CT and RS485A/B cable into the meter. Please refer to the meter wiring diagram on side of meter itself. During CT use, the direction of the CT arrow faces the inverter.



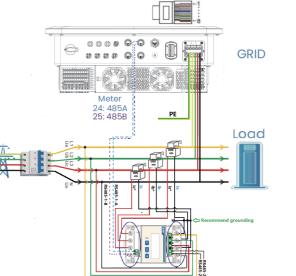


-1:
6000 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Meter 24: 485A
25: 485B
Recommend grounding

CT-Meter Type



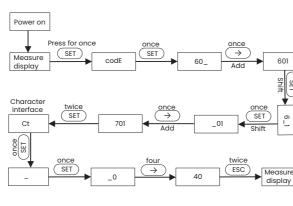
diameter of the cable. (5~6mm)



. Connect RS485A to pin 2/8 of the inverter METER/RS485 port. Connect RS 485B to pin 1/7 of the inverter METER/RS485 port. Please use twisted pair cable.

meter meter , , , meter meter
Meter 485B 485A / / / / 485B 485A

The transformation ratio setting of a CT meter needs to be consistent with the transformation ratio of a CT meter. The transformation ratio setting method for a CT meter is as follows:



Introduction to Ethernet port:

The network port is mainly used for communication, transmitting data rom the inverter to the network for detecting the daily operation status of the machine, and can control the inverter's wake-up through EMS.

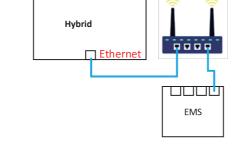
Insert the main body into the rubber core and hear the

Seal plugin to main body.

Tighten the nut with an open-ended wrench.

(torque 10.0±0.1N·m, Complete the installation)





DRM is mainly used to implement the Ripple Control function

The prerequisite for the use of this function is the selection of the German grid connection regulation VDE 4105 and the use of the RCR function. The ripple control function is described below:

Switching state	Output active power (%Pn)
No contact closed	100%
Several contacts closed	100%
Contact DRM 1 to +3.3V	60%
Contact DRM 2 to +3.3V	30%
Contact DRM 3 to +3.3V	0%
Contact DRM 4 to +3.3V	Immediate OFF
Contact Drm0 to 3.3V	AC Max.Chr power limit to 4.2kw under Vde4105 Saftv

Align the female end with the male end in the anti-stay position.

After the male and female insert the card point into the tracks lot,

Tighten the screws with the S2.5 hexagon wrench with a torque of

2.5±0.1Nm. Installation completed.

Introduction to COM port: The COM port mainly includes EMS485, Meter485, WIFI485, Estop port,

Open the latch.

press the lock.

The specific protocol is provided by the manufacturer.

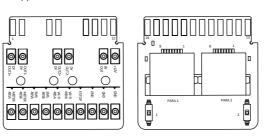
Wifi 485:

For internal testing. Estop port: When short circuiting ESTOP and GND, the machine will stop working.

DY OUT:

to control external relay switches and cannot be used for other

The ripple control function is described below



Supports Modbus485 communication, which can be used to read and Meter 485:

Similar to the Meter485 interface, this interface is designed to be redundant.

two relay output ports, two parallel ports and a toggle switch, +12V and corresponding relay output signals.

The machine has two DY OUT interfaces, with two internal contacts of relays hat can drive loads of 230VAC1A/50VDC0.5A, and can be used

24PIN Wiring

Installation Procedure

thread the terminal according to the sequence shown in the illustration.

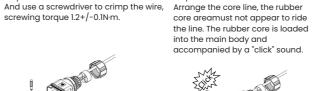
EPS wiring diagram

For countries such as **China, Germany, the Czech Republic, Italy, etc,** please

For countries such as Australia, New Zealand, South Africa, etc, please

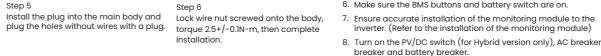
ements, the N cables of the GIRD side

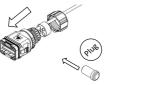
low local wiring regulations. is diagram is an expelication in which neutral is separated in the PE in the distribution box.



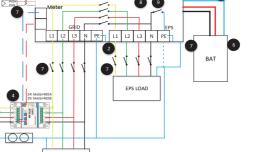
Remove the plug inside the plug and Insert the wires into the











Please refer to the following steps to start up the inverter.

1. Ensure the inverter fixed well. 2. Make sure GRID and EPS wirings are completed.

PV Wiring (For Hybrid Only)

6.0mm

Strip length

Separate the PV connector as below.

Step 2:

tension 2310N.

Prepare PV wire. Choose 12 AWG wire to connect the PV module.

D+ 🚅 🗀 🗀

To insert terminal. Press the wire and terminal tightly with a wire

clamp. Rivet terminal. Ensure the conce-ntricity of metal parts

and cable at same levelcrimped metal parts and cable pull

Insert pin into the male or female plug. Until hear a "click".

Tighten the nut on the terminal.

3. Make sure the PV wirings is connected well. 4. Make sure the meter is connected well. 5. Make sure the battery is connected well.

6. Make sure the BMS buttons and battery switch are on. inverter. (Refer to the installation of the monitoring module)

8. Turn on the PV/DC switch (for Hybrid version only), AC breaker, EPS breaker and battery breaker. 9. Check whether each voltage is normal and within the operating

range of the machine through the screen on the machine If the main page shows "switch off", please long press "√" bottom to quickly go to the START/STOP page and set it to start.

When starting inverter for the first time, the country code will be

1 WiFi Stick Installation not any other device. Please make sure the antenna is installed

Prepare BAT wire.

and the inverter.

communication cable from Battery's accessory bag. If require a

longer cable, please contact our sales representative to purchase.

Connect the power line and communication line between the BMS

Connect the grounding cable to ensure that all batteries are grounded.

Wiring shall be connected in the sequence as shown in below.

The connection between BMS and inverter should be less than 10m.

The number of battery packs cannot be less than 3 pcs.

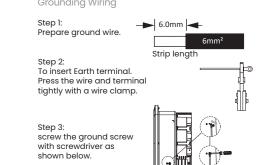
Power on the inverter (in accordance with the start-up procedure detailed in the inverter installation manual).

2 APP Installation

Scan the QR Code below to download and install the FoxCloud APP on your smartphone.







Please prepare a PC and an U-Disk. Please note the U-Disk shall be less than 32GB and its formats is fat16 or fat 32. Please DO NOT apply USB3.0 U-Disk on USB port, the inverter USB port only support for USB2.0 U-disk.

Please ensure the inverter is powered on with steady PV/BAT and AC power.

Please contact our service support to get the update files, and extract it into your U-Disk as follow: update/master/H3 G2 X9 Master Vx.xx.bin update/slave/ H3_G2_X9_Slave_Vx.xx.bin pdate/manager/ H3_G2_Smart_Manager_Vx.xx.bin

Vx.xx is version number. Unscrew the waterproof lid and insert U-disk into the "USB" port at the bottom

NOTE

of the inverter.

The LCD will show the selection menu. Then press up and down to select the

one that you want to upgrade and press "OK" to confirm to upgrade.

After the upgrade is finished, pull out the U-disk. Screw the waterproof lid.

3 Configuration

The module is powered on and started, please wait for one minute to start the WiFi Config. Web Configuration

Connect your mobile device with Smart WiFi. The SSID of the Smart WiFi is 'W-xxxxxxx' and the password is 'mtmt2020'. CONNECTED

 W−9123456 Connected, no internet

After connecting successfully. Open browser and enter '192.168.1.1' on the address bar on top.

192.168.1.1



APP Configuration Then click "WiFi Config". Open the APP, click "Local



<	Sign In	©
Luser Nar	me	
Passwore	d	
Remember	Me Forg	et Password
	Sign In	
	Wifi config	(Im
		=
(Cancel	

Or sign in app, click on the "me" page.



Please scan the "SN" on the collector.



Connect your mobile device with Smart WiFi. The SSID of the Smart WiFi is 'W-xxxxxxx' and the password is 'mtmt2020' CONNECTED





download our latest multi-language User Manual/Quick Installation Guide: Scan the QR Code \rightarrow Select your Language \rightarrow Choose to



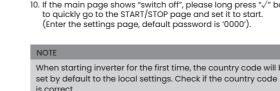
Please scan the QR Code and follow the steps below to download User Manual or Quick Installation Guide \rightarrow



PARA port RJ45:

functions.

Used for parallel communication, it is necessary to set the DIP switch to the ON state during parallel operation. +12V and RY-Out are used



set by default to the local settings. Check if the country code Set the time on the inverter using the button or by using the APP.





Then click "Wifi Config".

Distribution Network" on the login

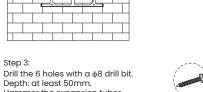


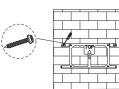




₹ W-9123456 Connected, no internet

Step 4: Installing the Bracket. Select the installation location, place the bracket on the wall, and mark the hole positions







Step 4:

←→ 16-17mm

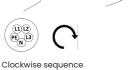
← 65-72mm →

5-core copper wire

Prepare AC wire.

Micro-Breaker

Dimension of stripping line







Cable is a five-core cable with a diameter less than 9~16 mm.

Cross-sectional area of wire is shown in the following table.

20A

Dimension of stripping line outside machine

dell (kW) 5.0 6.0 8.0 10.0 12.0 15.0

4.0mm² 6.0mm² 6.0mm²

←→ 16-17mm

65-72mm

16-17mm

4-core copper wire+

Single-core copper wire

25A 32A



B. Ø21: The recommended outer diameter of the cable is 19-21mm.

C. Ø6: When the four wire system is used, the special hole for the

ground wire is recommended to be applicable to the outer





If the outer diameter of the cable is greater than 18mm, remove

part 1. When 4-core wire is used, Ø6 holes are ground wire

Thread the stripped wire into the lock nut and the main body in

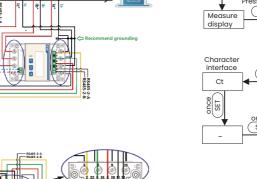
First, insert the EPS end cable into the EPS end of the rubber core.

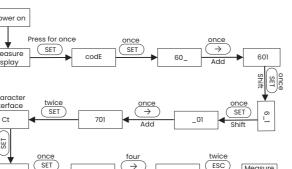
After the cable is in place through the perspective hole, tighten the

turn. (the flexible wire needs to be riveted to the insulated terminal)

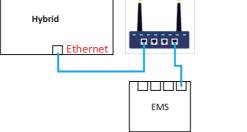
through holes. Remove part 3.

Installation steps for 5-core wire





Ethernet connection Diagram



for powering on and starting heat pumps.

