

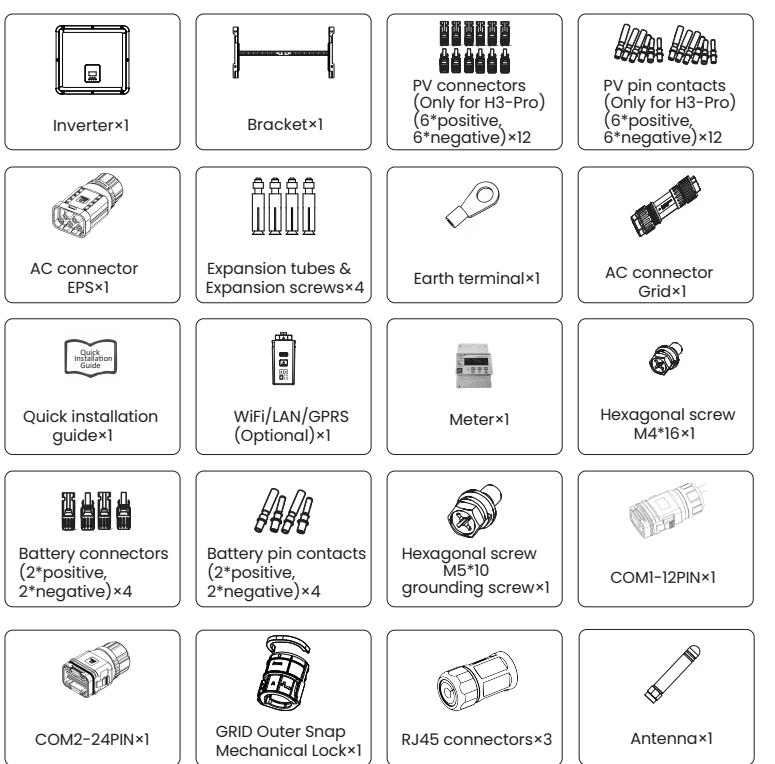
# H3 Pro Quick Installation Guide

Models:

H3-Pro-10.0 H3-Pro-24.9  
H3-Pro-12.0 H3-Pro-25.0  
H3-Pro-15.0 H3-Pro-29.9  
H3-Pro-20.0 H3-Pro-30.0  
H3-Pro-22.0

10-30kW Storage Inverter

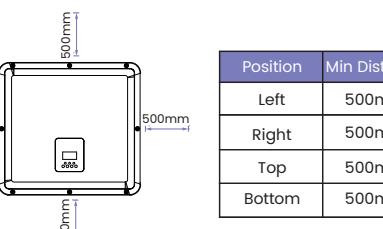
## 1. Packing List



## 2. Installation Steps

Please make sure the inverter will be installed with a proper distance as shown below.

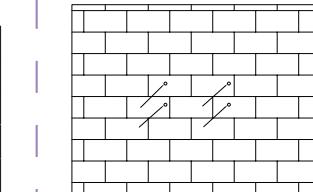
### Step1: Choose the right location



Position	Min Distance
Left	500mm
Right	500mm
Top	500mm
Bottom	500mm

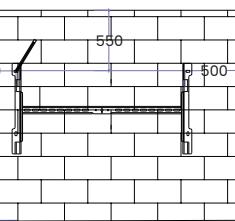
### Step3: Drill the 6 holes with a 8 drill bit.

Depth: at least 50mm Hammer the expansion tubes

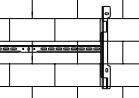
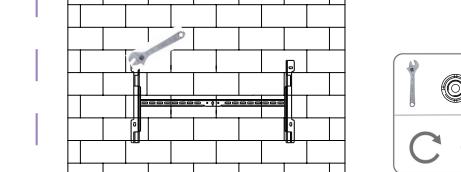


### Step2: Mark the position

Installation position recommendation.  
Use a spirit level to adjust the installation position.

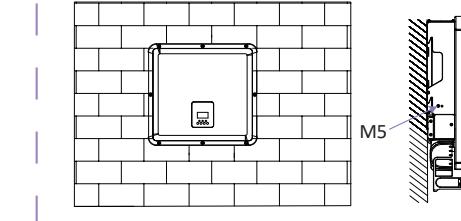


### Installing the Bracket Screw the expansion bolts



### Step4: Match the inverter with bracket

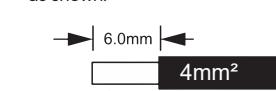
Lock the screws on the side Make sure the inverter is firmly attached.



## 3. DC Connection

### A. PV Connection

Choose 4mm<sup>2</sup> wire to connect the PV Prepare AC wire as shown.



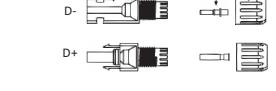
6.0mm

4mm<sup>2</sup>

Strip length

### Battery Wiring

Turn off the DC switch.  
Choose 10mm<sup>2</sup> wire to connect the battery.  
Trim 6mm of insulation from the wire end.



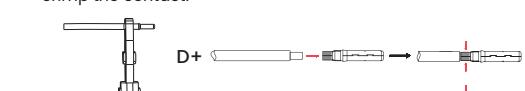
6.0mm

10mm<sup>2</sup>

Strip length

### Insert striped cable into pin contact and ensure all conductor strands are captured in the pin contact.

Crimp pin contact by using a crimping plier. Put the pin contact with striped cable into the corresponding crimping pliers and crimp the contact.

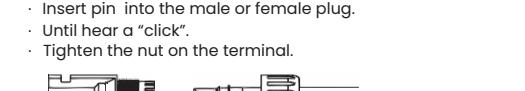


D+

D-

### Separate the DC connector (battery) as below.

Plug Pin contact cable nut



D+

D-

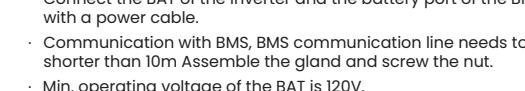
### Insert striped cable into pin contact and ensure all conductor strands are captured in the pin contact.

Press the wire and terminal tightly with a wire clamp.

Insert pin into the male or female plug.

Until hear a "click".

Tighten the nut on the terminal.



### B. BAT Connection

It is recommended to use the power cable that comes with the BMS package. If the length does not meet the requirements, then make the line according to the following method.

Connect the BAT of the inverter and the battery port of the BMS with a power cable.

Communication with BMS, BMS communication line needs to be shorter than 10m Assemble the gland and screw the nut.

Min. operating voltage of the BAT is 120V.

Insert pin contact through the cable nut to assemble into back of the male or female plug. When you feel or hear a "click" the pin contact assembly is seated correctly.

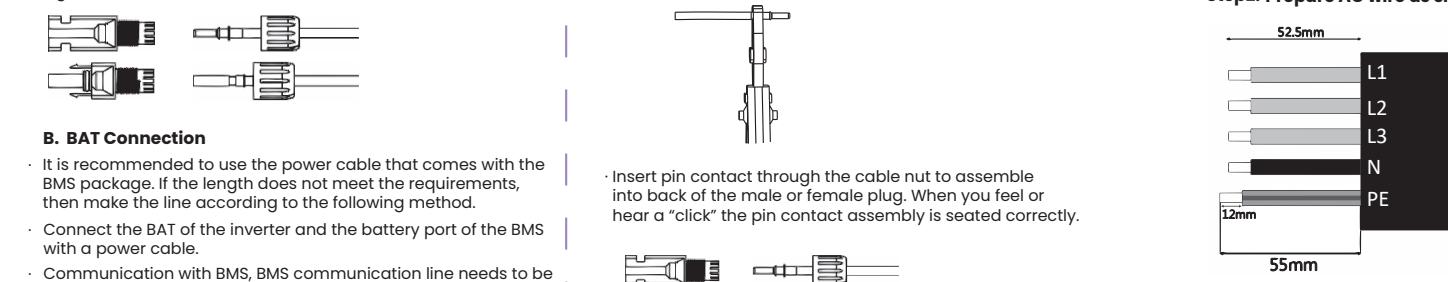


## 4. AC Connection

### Step1: Cable dimensions

Model (kW)	10.0	12.0	15.0	20.0-22.0	24.9-25.0	29.9-30.0
Cable (CN-GRID)	6.0-10.0mm <sup>2</sup>					
Micro-Breaker	40A	40A	50A	63A	63A	80A
Model (kW)	10.0	12.0	15.0	20.0-22.0	24.9-25.0	29.9-30.0
Cable (EPS)	6.0-10.0mm <sup>2</sup>	10.0mm <sup>2</sup>				
Micro-Breaker	40A	40A	50A	63A	63A	80A

### Step2: Prepare AC wire as shown in the picture



L1/L2/L3: Brown/Red/Green or Yellow Wire  
N: Blue/Black Wire  
PE: Yellow & Green Wire  
12mm  
55mm

## 5. Communication Port Connections

Meter and RS485 should be connected to inverter by the connector illustrated in the figure below.



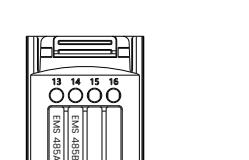
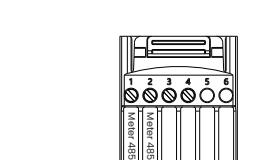
### METER/CT/RS485 interface (20pin terminals)

1	2	3	4	5	6	7	8
/	RYL L-	RYL L+	RYL G-	RYL G+	ARM 485A	ARM 485B	GND COM
9	10	11	12	13	14	15	16
E STOP	/	/	VCC	DRM1	DRM2	DRM3	DRM4
17	18	19	20				
DRM0	GND COM	GND COM	/				

### NOTE

1) ARM 485A, ARM 485B, RLY L-, RLY L+, RLY G-, RLY G+ these wiring terminals are tested in the factory, please do not connect them.

2) PIN12-18 (Vcc, DRM0-DRM4) is implement RCR or DRM function, please refer to user manual for details.



### NOTE

1) Pin11 is the power supply+12V, and Pin10 is the corresponding GND used.  
2) The maximum load of the 12V power supply port cannot exceed 10W (instantaneous current cannot exceed 1A); Otherwise, it will damage the inverter.

### NOTE

1. Local wiring colors are based on local codes, the quick release diagrams are for reference only.  
2. Compatible Meter type: DTSU666 (CHINT).  
3. For other pin definitions, please refer to the user manual.  
4. Communication A and B are marked on the side of the meter;

## 6. Inverter Start-Up

### NOTE

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

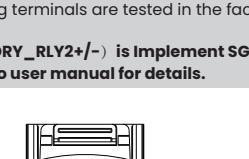
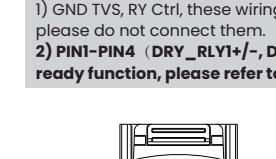
1. Ensure the inverter fixed well.
2. Make sure all wirings are completed.
3. Make sure the meter is connected well.
4. Make sure the battery is connected well.
5. Make sure the AC-EPS contactor is connected well (if needed).
6. Make sure the BMS buttons and battery switch are off.
7. Turn on the PV/DC switch (for Hybrid version only), AC-GRID breaker, EPS breaker and battery breaker.
8. Set safety and system time on the screen according to the country and region where you are located.
9. If the main page shows "switch off", please long press "√" bottom to quickly go to the START/STOP page and set it to start. (Enter the settings page, default password is '0000').

### NOTE

1. Add boot-up guide interface, the first boot-up need to select the safety regulations and set the time.
2. Set the time on the inverter using the button or by using the APP.

## 7. Monitor network configuration

Inverter connect to network, please click on the following link.  
<https://www.foxesscloud.com/app/v2/download>



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4. Communication A and B are marked on the side of the meter;

## 8. Inverter Switch Off

### NOTE

Please scan the QR Code and follow the steps below to download our latest multi-language User Manual/Quick Installation Guide:

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### NOTE

The inverter installation is complete. For battery installation, please refer to battery quick installation guide.

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