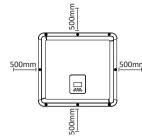


Object	Quantity	Description	Object	Quantity	Description	
Α	1	Inverter	J	1	WiFi/LAN/GPRS (Optional)	
В	1	Bracket	K	1	Meter	
С	6/12	PV connectors (Only for H3-Pro) (3*positive, 3*negative) (H3-Pro 10-12KW) (6*positive, 6*negative) (H3-Pro 15-30KW)	L	1	Hexagonal screw M4*16	
D	6/12	PV pin contacts (Only for H3-Pro) (3*positive, 3*negative) (H3-Pro 10-12KW) (6*positive, 6*negative) (H3-Pro 15-30KW)	М	4	Battery connectors (2*positive, 2*negative)	
E	1	AC connectors-EPS	N	4	Battery pin contacts (2*positive, 2*negative)	
F	4	Expansion tubes & Expansion screws	0	1	Hexagonal screw M5*10 grounding screw	
G	1	Earth terminal	Р	1	COM1-12PIN	
Н	1	AC connectors-Grid	Q	1	COM2-24PIN	
ı	1	Quick installation guide	R	1	GRID Outer Snap Mechanical Lock	

Please make sure the inverter will be installed with a proper distance

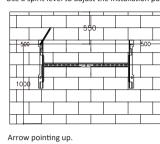
as shown below



-	Position	Min Distar	
500	Left	500mm	
500mm	Right	500mm	
	Тор	500mm	
₩	Bottom	500mm	

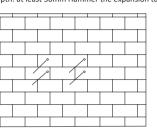
Step2: Mark the position

Use a spirit level to adjust the installation position.

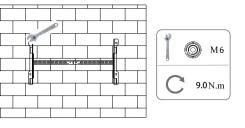


Step3: Drill the 6 holes with a $\omega 8$ drill bit.

Depth: at least 50mm Hammer the expansion tubes

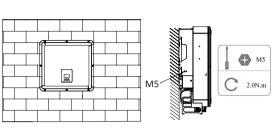


Installing the Bracket Screw the expansion bolts

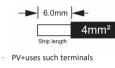


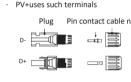
Step4: Match the inverter with bracket

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

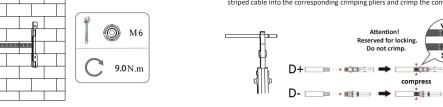


Choose 4mm² wire to connect the PV Prepare AC wire as show



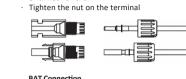


Insert striped cable into pin contact and ensure all conductor strands are captured in the pin contact



Press the wire and terminal tightly with a wire clamp Insert pin into the male or female plug.

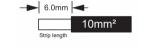
Crimp pin contact by using a crimping plier. Put the pin contact with



Until hear a "click"

- BAT cable is in the BMS package and is recommended. 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. Unlock the DC connector
- Use the specified wrench tool
- When separating the DC+ connector, push the tool down from the top. When separating the DC- connector, push the tool down from the bottom

- Turn off the DC switch
- Trim 6mm of insulation from the wire end

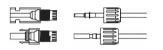


Separate the DC connector (battery) as below.

Plug Pin contact cable nut

· 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.





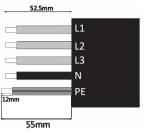


- Unlock the DC connector
- Use the specified wrench tool.
- When separating the DC+ connector, push the tool down from the
- When separating the DC- connector, push the tool down from the
- Separate the connectors by hand.

AC Connection

			20.0-22.0	24.9-25.0	29.9-30.0	
6.0-10.0mm²	6.0-10.0mm ²	6.0-10.0mm ²	10.0-16.0mm²	10.0-16.0mm²	10.0-16.0mm²	
40A	40A	50A	63A	63A	80A	
10.0	12.0	15.0	20.0-22.0	24.9-25.0	29.9-30.0	
6.0-10.0mm²	6.0-10.0mm²	6.0-10.0mm²	10.0mm²	10.0mm²	10.0mm²	
40A	40A	50A	63A	63A	80A	
	40A 10.0 6.0-10.0mm ²	40A 40A 10.0 12.0 6.0-10.0mm ² 6.0-10.0mm ²	40A 40A 50A 10.0 12.0 15.0 6.0-10.0mm² 6.0-10.0mm² 6.0-10.0mm²	40A 40A 50A 63A 10.0 12.0 15.0 20.0-22.0 6.0-10.0mm² 6.0-10.0mm² 10.0mm²	40A 40A 50A 63A 63A 10.0 12.0 15.0 20.0-22.0 24.9-25.0 6.0-10.0mm² 6.0-10.0mm² 10.0mm² 10.0mm²	

Step2: Prepare AC wire as shown in the picture

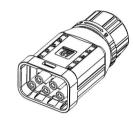


L1/L2/L3: Brown/Red/Green or Yellow Wire

N: Blue/Black Wire

PE: Yellow & Green Wire Note: Please refer to local cable type and color for actual installation.

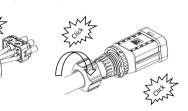
- A. EPS Connection
- Disassemble the connector



Be sure to disconnect all power supplies before removing the protective end caps



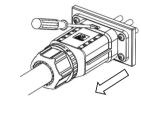
 Put the sealing body and varn tranner into the main body screw the lock nut into the main body, and the torque is (2.5 + / - 0.5N·m).

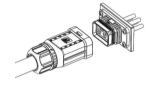


• The female end of the wire is inserted into the male end of the line and



• Use a screwdriver to align the unlock position and press and Hold the thread and pull it back to complete the separation of the male and female.





H3 PRO QUICK INSTALLATION GUIDE

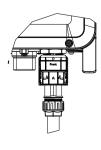
- Separate the ON-GRID plug into three parts as below.
- 1. Hold the middle part of the female insert, rotate the back shell to loosen it and detach it from female inset
- 2. Remove the cable nut (with rubber insert) from the back shell



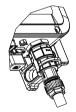
• Push the threaded sleeve into the socket, tighten up



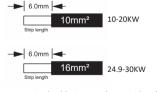
 Push the threaded sleeve to connection terminal until both are locked tightly on the inverter.



Remove the GRID connector: Using the matching U-shaped unlocking tool

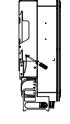


Trim 6mm of insulation from the wire end.



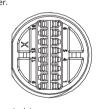
Crimp earth terminal by using a crimping plier. Put the earth terminal with striped cable into the corresponding crimping pliers and crimp the contact.

Use the crimping pliers to press the ground cable into the ground ter screw the ground screw with screwdriver as shown below



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

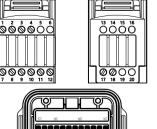




METER/CT/RS485 interface (20pin terminals)

	2	3	4	5		7	8
DRY	DRY	DRY	DRY	,	,	Meter	Meter
RLY2-	RLY2+	RLY1-	RLY1+	,	· '	485A	485B
9	10	11	12	13	14	15	16
GND	GND	+12V	RY Ctrl	,	,	1	,
TVS	сом	SELV	KI CUI	,	l '	· '	,
17	18	19	20				
EMS	EMS	,					
485A	485B	,	1				

Note: GND TVS, RY Ctrl, these wiring terminals are tested in the factory, please do $\,$



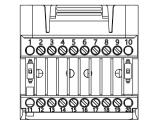
1) Pin11 is the power supply+12V, and Pin10 is the corresponding

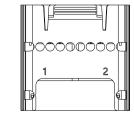
2) The maximum load of the 12V power supply port cannot exceed 10W (instantaneous current cannot exceed 1A); Otherwise, it will damage the inverter

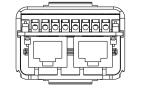
1 2 3 4 5 6 7 8

						_		
1	RYL_L-	RYL_L+	RYL_G-	RYL_G+	ARM	ARM	GND	
					485B	485A	СОМ	
9	10	11	12	13	14	15	16	
E STOP	1	1	VCC	DRM1	DRM2	DRM3	DRM4	
17	18	19	20					
DRM0	GND	GND						
	СОМ	СОМ	I					
ote: ARM 485A ARM 485B GND COM VCC these wiring terminals are tested in the								

ı							СОМ			
Parallel2 (24pin terminals)										
	1	2	3	4	5	6	7	8		
	CAN H1	CAN L1	WIFI 485A	WIFI 485B	485A	485B	GND	/		
	07 11 4 7 112	0711121			100/1	1005	COM			

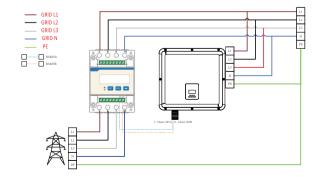






1. Compatible Meter type: DTSU666 (CHINT). 2. For other pin definitions, please refer to the user manual.

3. Communication A and B are marked on the side of the meter:



Local wiring colors are based on local codes, the quick release diagrams are for

Please refer to the following steps to start up the inverte

- 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
- Make sure the AC-EPS contactor is connected well (if needed).
- 6. Make sure the BMS buttons and battery switch are off.
- 8. If the main page shows "switch off", please long press "V" bottom to quickly go to the START/STOP page and set it to start. (Enter the settings page, default password is '0000').

7. Turn on the PV/DC switch (for Hybrid version only), AC-GRID breaker, EPS

Add boot-up guide interface, the first boot-up need to select the safety

Set the time on the inverter using the button or by using the APP.

Inverter Switch Off

Please refer to the following steps to switch off the inverter.

- 1. Enter the settings page, select START / STOP and set it to stop.
- 2. Turn off the PV/DC switch (for Hybrid version only), AC breaker, EPS
- 3. Wait 5 min before you open the upper lid (if in need of repair).

1 The inverter installation in complete. For hattery installation, please refer to battery quick installation guide.

Please scan the QR Code and follow the steps below to download our latest multi-language User Manual/Quick Installation Guide: Scan the QR Code \Rightarrow Select your Language \Rightarrow Choose to download

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