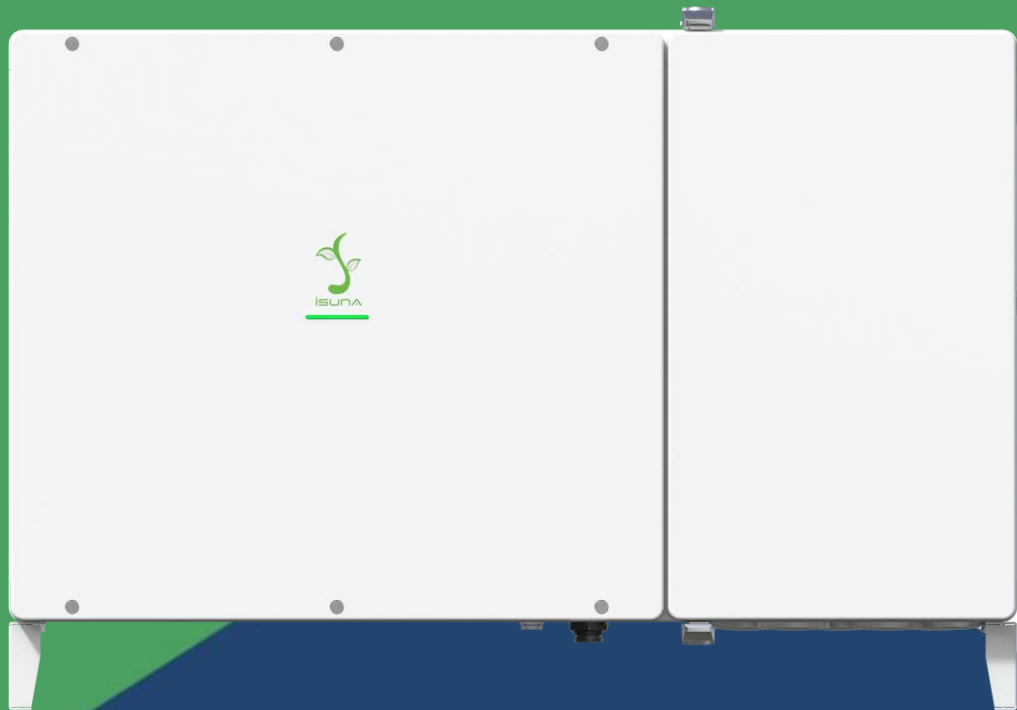


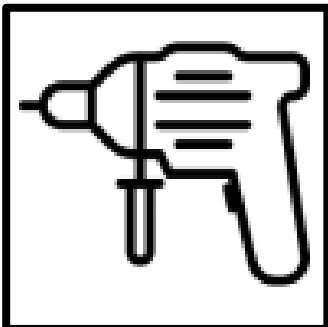
# Installation Instructions



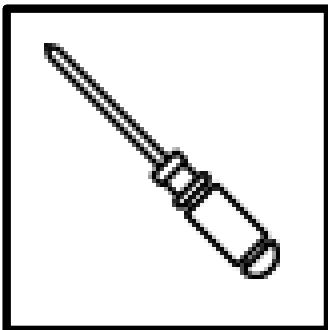
## Fissure Phase Hybrid Inverter Isuna U5K-U20K

This guide is only for step-by-step reminders during the installation process, please read the user manual in detail before installation

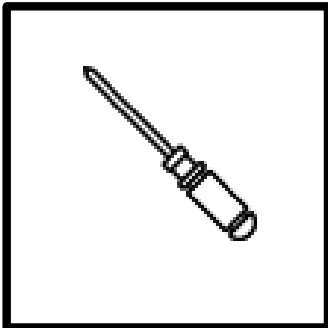
### Mounting tools



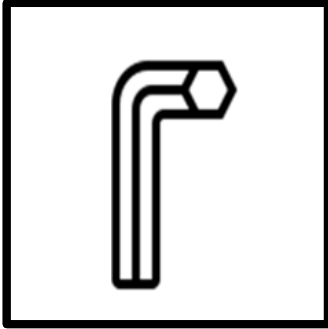
Electric drill: for drilling holes in walls.



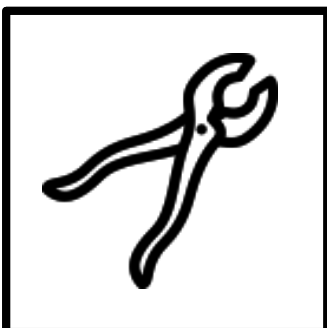
M6 screwdriver: Removal and installation of screws and wiring.



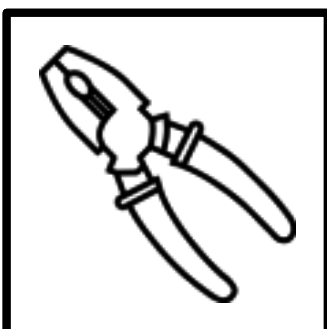
M4 screwdriver: Removal and installation of screws and wiring.



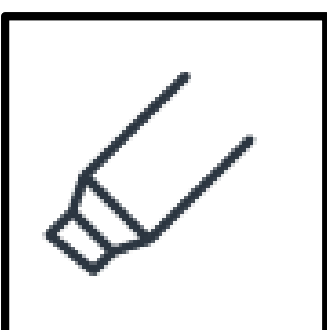
Removal tool: Remove and install The BAT terminal.



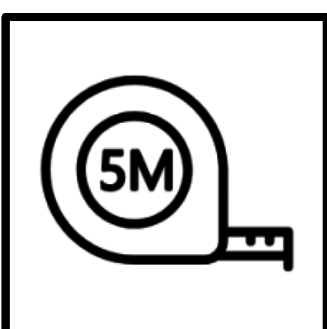
Wire strippers: Strip wires.



Crimping pliers: Crimp PV, BAT cable wires.



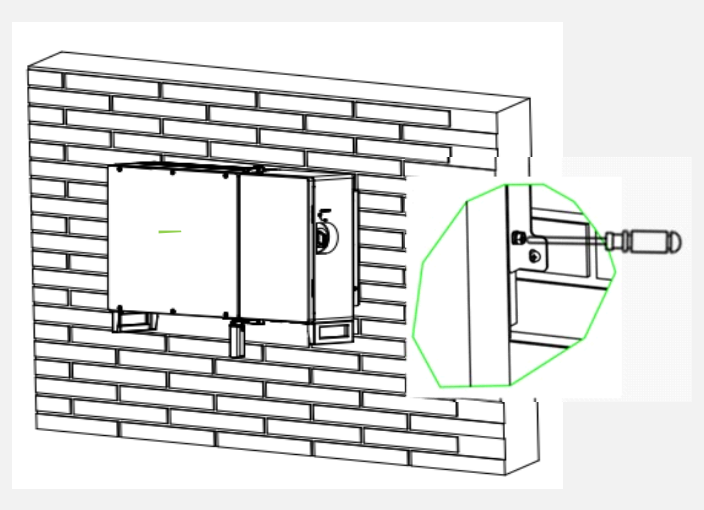
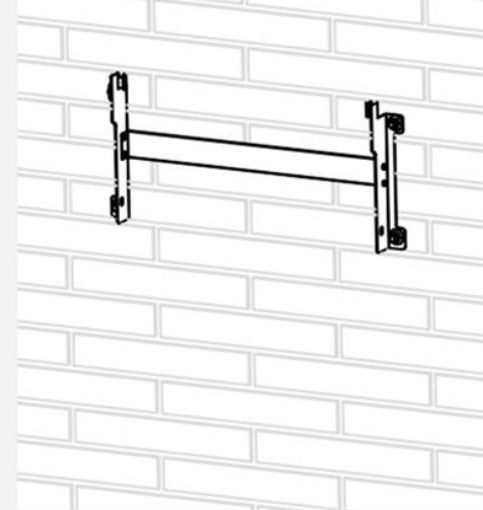
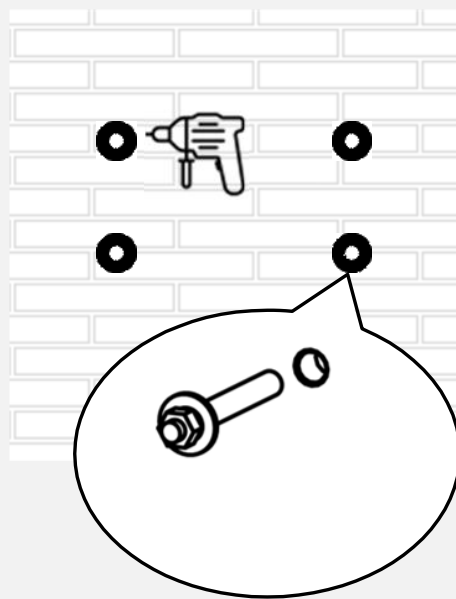
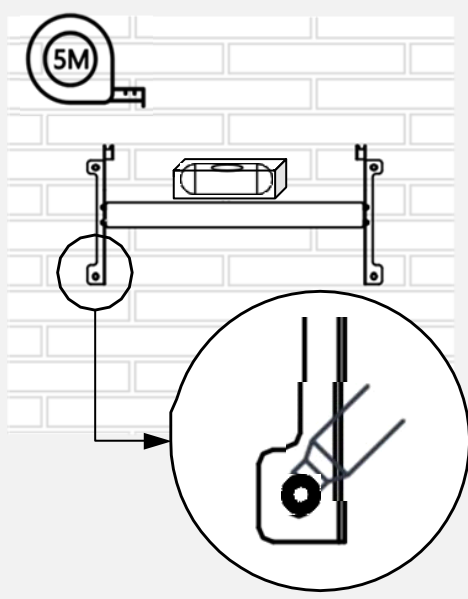
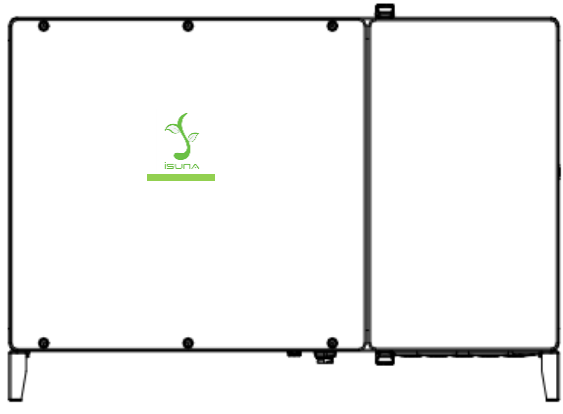
Marker: Punch marking.



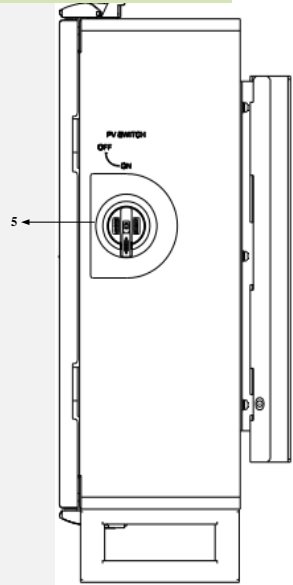
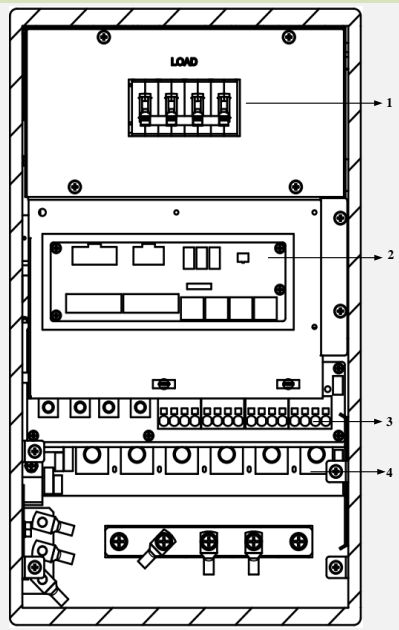
Tape measure: Measuring distances.



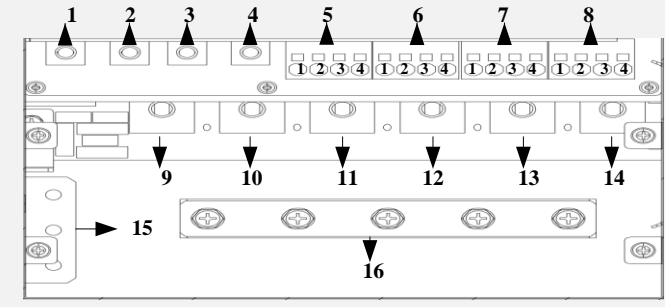
## Installation of wall mounts and inverters



## Terminals function

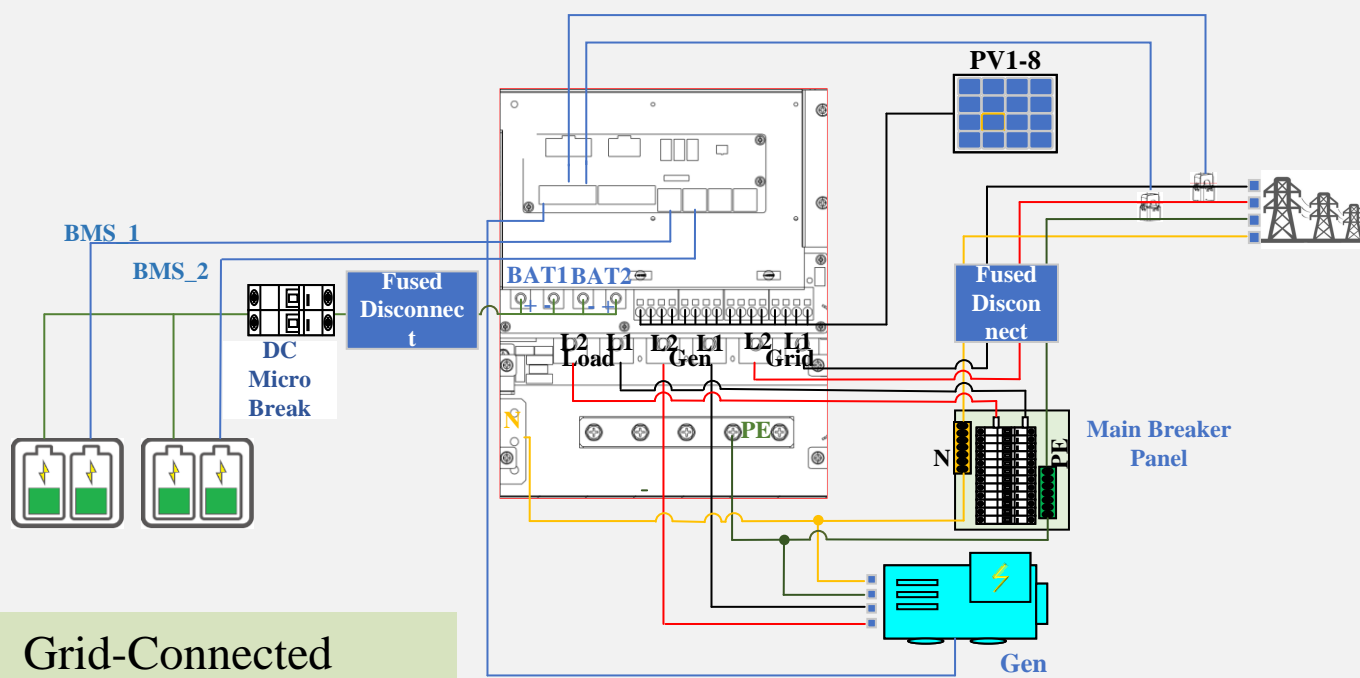


number	Terminal Name	number	Terminal Name
1	AC Load Switch	4	Load/Generator/Grid Interface
2	External communication interfaces	5	PV Switch
3	Battery and Photovoltaic Interface		

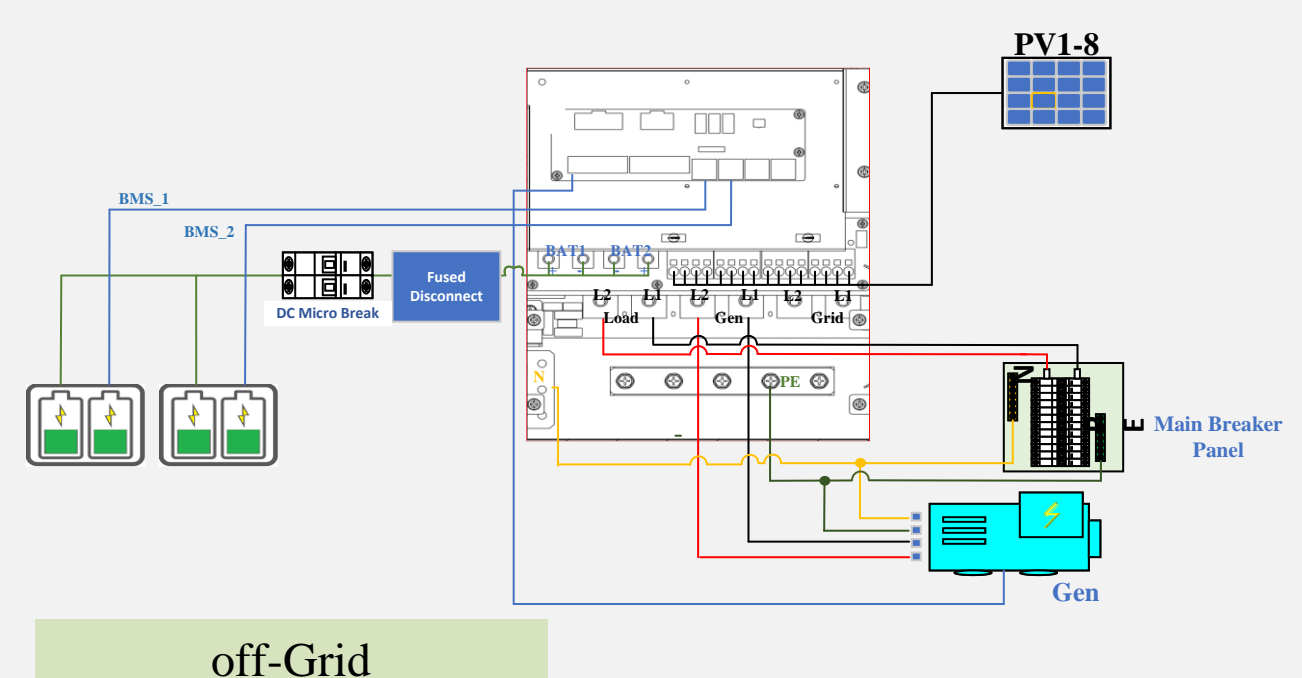


number	functionality	number	functionality
1	Battery 1 positive +	9	Load L2 terminal
2	Battery 1 negative-	10	Load L1 terminal
3	Battery 2 negative-	11	Generator L2 terminal
4	Battery 2 positive +	12	Generator L1 terminal
5	PV1(1&2positive+;3&4 negative-)	13	Grid L2 terminal
6	PV2(1&2negative-;3&4positive +)	14	Grid L1 terminal
7	PV3 (1&2 positive +; 3&4 negative -)	15	N-row terminal
8	PV4 (1&2 negative -; 3&4 positive +)	16	PE terminal

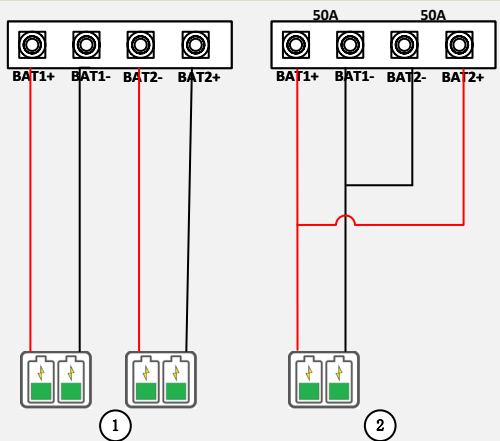
## Grid-Connected



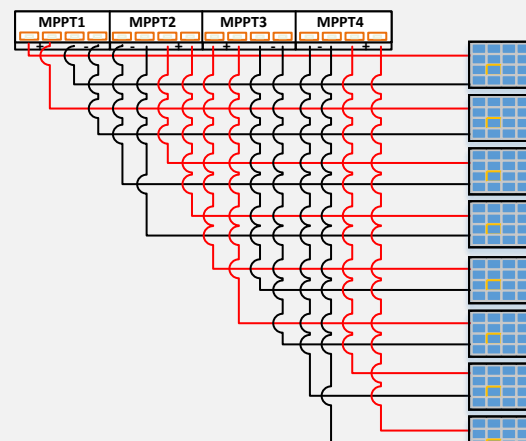
## off-Grid



## Connecting the battery



## Connecting the PV

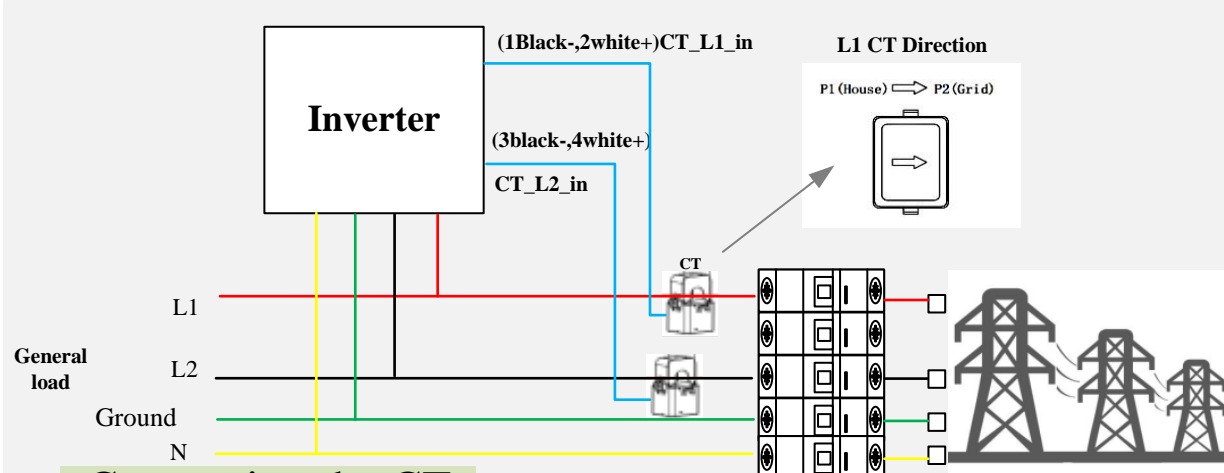


## Catheter Sizes

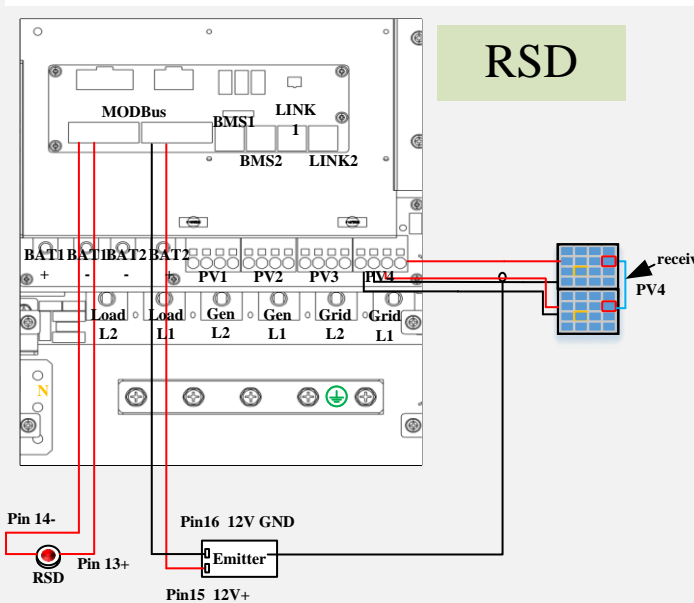
NUM	Knockout hole size(mm)	Trade size of conduit(inch)	Quantity
1	50	1-1/2	5pcs
2	34.5	1	1pcs

**Avoid incorrect connection between positive and negative!!!**

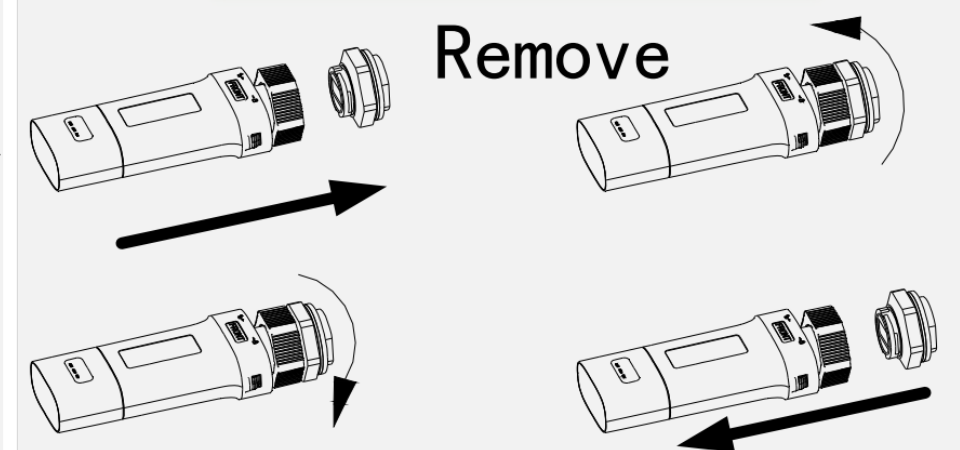
## Connecting the CT



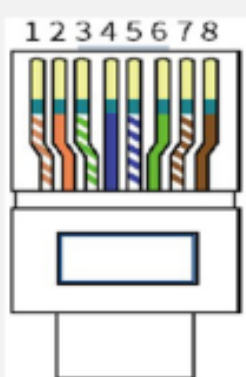
## RSD



## Connecting the WIFI module



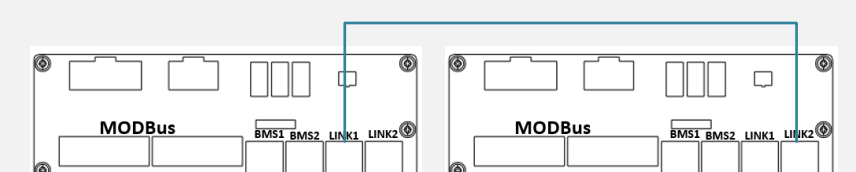
## Connecting the waterproof cover of communications port



PIN	Define
4	CAN_A_H
5	CAN_A_L
7	RS485_A_BMS
8	RS485_B_BMS

PIN	LINK1	LINK2
1	CON2_AO	CON1_AO
2	CON2_BO	CON1_BO
3	CON2_AI	CON1_AI
4	CON2_BI	CON1_BI
5-6	/	/
7	CON_SynCH	CON_SynCH
8	CON_SynCL	CON_SynCL

## Parallel interface



## ESS Link Download



Android



Google play



iOS

Download the user manual for details:  
[www.sinexcel-isuna.com/Download/](http://www.sinexcel-isuna.com/Download/)