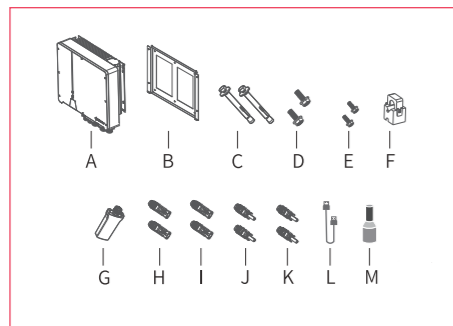


## Quick installation guide 3p hybrid inverter

ASW08-15K H-T1 Series



### Overview



Object	Description	Quantity
A	Hybrid inverter	1
B	Bracket	1
C	M6*50 expansion screws	6
D	Stainless steel cross recessed screws (M6*20)	8
E	Stainless steel cross recessed screws (M6*12)	1
F	Three-phase current Transformer (CT set)	1
G	WiFi stick	1
H	PV DC Connector negative (8-12K)	2
I	PV DC Connector negative (15K)	4

Object	Description	Quantity
J	PV DC Connector positive (8-12K)	2
K	PV DC Connector positive (15K)	4
L	USB Cable (Upgrade use)	1
M	AC terminals	20

**NOTICE**  
Before installing the equipment, please check whether the goods contained in the packing box are complete and intact according to the packing list. If you find any damage or missing components, please contact your dealer.

### Equipment installation steps

**01 Space requirement**

**02 Install and remove WiFi stick**

Step 1: First unscrew the corresponding dust cap on the inverter counter-clockwise.

Step 2: Insert the WiFi stick and tighten the floating nut clockwise, as shown in the figure below.

Step 3: When removing the WiFi stick, please rotate the floating nut counterclockwise as shown in the figure below. After removing the WiFi stick, please lock the dust cap to ensure the protection of the inverter.

**NOTICE**  
When installing or removing the WiFi rod, do not hold the WiFi stick body to rotate.

Note: When installing the inverter, please try to be close to the router within 20m to ensure good signal.

**03 Mounting the wall bracket on the wall**

Step 1: Place the bracket on the wall, mark the location of the four holes and then remove it.

Step 2: Drill holes with an drill, making sure they are deep enough (at least 60 mm) to support the inverter. Install the expansion tubes in the holes, and tighten them. Then install the wall bracket with the expansion screws.

Step 3: Place the inverter on the wall-mounted bracket by holding the handle on the side. Tighten the fixing screws on both sides of the inverter.

Step 4: If necessary, an anti-theft lock can be installed on the lower left side of the inverter.

### Cable connection

**01 Install the PV input cable**

**02 AC grid wiring diagram**

Step 1: Check the grid voltage  
1.1. Check the grid voltage and compare it with the allowed voltage range (Refer to technical data).  
1.2. Disconnect the board from all phases and ensure that it is not reconnected.  
Step 2: Remove the waterproof lid from the grid port on the inverter.  
Step 3: Make the AC wires.  
3.1. Select the appropriate wire. Remove 10mm of insulation from the end of wire.  
3.2. Thread the end of the wire into the tubular terminal and use crimping pliers to crimp it tightly. Disassemble the waterproof connector and waterproof cover and thread the cable through the waterproof connector.  
Step 4: Insert the terminals into each of the three phase grid ports (loosen or tighten the crimp terminal screws with a one-way screwdriver).  
Step 5: CT, according to the color of CT line, yellow and black are stuck in phase A (u) of power grid, green and black are stuck in phase B (v) of power grid, and red and black are stuck in phase C (w) of power grid.

### Cable connection

**03 Load wiring diagram**

Step 1: Prepare the EPS wires as follows:  
1.1. Select the appropriate wire.  
1.2. Remove 10mm of insulation from the end of wire.  
1.3. Thread the end of the wire into the tubular terminal and use crimping pliers to crimp it tightly.  
1.4. Disassemble the waterproof connector and waterproof cover and thread the cable through the waterproof connector.  
Step 2: Insert the terminals into the EPS port of the inverter (loosen or tighten the crimp terminal screws with a one-way screwdriver).

**NOTICE**  
Make sure the rated load power of the EPS is within its rated output range, otherwise the inverter will shut down with an "overload" warning. When an "overload" occurs, adjust the load power to ensure it is within the EPS output power range before turning on the inverter. For non-linear loads, make sure that the surge power should be within the output power range of the EPS.

**04 Battery connection steps**

Prepare the cable connection to the battery as follows:  
1. Select an appropriate cable and remove 10mm of insulation from the end of the wire.  
2. Thread the end of the wire into the tubular terminal and use crimping pliers to crimp it tightly.  
3. Remove the waterproof connectors and pass the cable through the waterproof connectors.  
4. Insert the terminal into the battery interface of the inverter and tighten the screw on the terminal.  
5. Assemble waterproof connectors and waterproof cover.

### CT connection

1. Open the CT  
2. Clamp the CT on the measured cable. Ensure that the maximum current in the line does not exceed the maximum input current of CT. The current flow direction shall follow the direction of the arrow on the CT shell, and Refasten the CT again.  
3. Fix the CT on the measured cable with cable ties to prevent the CT from slipping.  
4. Insert the CT connector into the port marked with "CT". After checking the circuit, connect the power supply, and the CT starts to measure the current in the circuit. (remarks: BMS is CAN communication, pin definition, 4H, 5L).

**NOTICE**  
Before the current transformer is connected to any equipment, please ensure that the circuit is powered off to prevent electric shock.

### Indicator status

Object	Status 1	Status 2	Status 3
PV Indicator	Blue light on: PV is connected	-	-
Battery Indicator	Blue light on: Battery is connected	Low SOC - blue light flashes	-
EPS Indicator	Blue light on: Battery is connected	Grid overvoltage, Overfrequency, Undervoltage, Underfrequency - red light on	The load has no voltage - light off
Energy grid Indicator	Blue light on: Grid is connected	Grid relay fault - red light on	-
Fault indicator	Communication abnormal - yellow light on	Have alarm - yellow light flashes	-

### Solplanet App > Commissioning and documentation

Download the Solplanet App.  
Commissioning of the inverter will be proceeded within the Solplanet App with an installer account.  
Note: The inverter needs to be in suitable range of the signal of the router.

For instructions how to use the Solplanet App or commissioning you can find an instruction guide at [www.solplanet.net](http://www.solplanet.net) as follows:  
<https://solplanet.net/installer-area/download> >> instructions >> Connect & Monitor >> Solplanet App Manual  
Documentation is available in Solplanet App in Instructions area as well.

House

Arrows on the CT point to the grid Electricity meters

CT  
Yellow to L1  
Green to L2  
Red to L3  
Arrow pointing to grid  
First consumer closest to house meter DVS

CT signal cable, max: 50m

Backup 1  
GEN  
Backup 2

Communication between BMS and battery  
USB cable for updates  
Negative battery terminal  
Positive battery terminal

Battery  
CAN  
Link com  
Solplanet/Lithium Valley battery:  
Link Com  
pylontech Force-H2 battery:  
CAN port

Plug the WiFi module into the USB port of the inverter

Inverter and battery must be separately earthed

PV string 1 positive input  
PV string 1 negative input  
PV string 2 positive input  
PV string 2 negative input