Quick Installation Guide

—— Triple Power Lithium-ion Battery

I Packing List (T-BAT H 5.8)

Note: The quick installation guide describes installation steps briefly. If you have any questions during the installation, please refer to the User Manual for more information.

- T-BAT H 5.8*1
- Power cable (+)*1
- Power cable (-)*1
- CAN cable (+)*1
- Series-connected cable*1
- Cover plate*2 M4 screw*8
- Cover plate*2
- Wall bracket*1 M5 screw*1
- Expansion bolt*5
- Ring terminal*2
- Power cable disassembling tool*1
- User Manual*1
- Quick installation guide*1

II Packing List (HV11550)

- HV11550*1
- Power cable*1
- Power cable*1
- RS485 cable*1
- Cover plate*2 M4 screw*8
- Cover plate*2
- Expansion bolt*5
- Ring terminal*2
- Wall bracket*1 M5 screw*1
- Quick installation guide*1

III Installation Prerequisites

Make sure that the installation location meets the following conditions:
- The building is designed to withstand earthquakes
- The location is far away from the sea, to avoid sea water and humid air
- The floor is flat and level
- There are no flammable or explosive materials nearby
- The ambience is shady and cool, keep away from heat and avoid direct sunlight.
- The temperature and humidity stay at a constant level.
- There is minimal dust and dirt in the area.
- There is no corrosive gases present, including ammonia and acid vapor.
- The ambient temperature is within the range from 0°C to 55°C, and the optimal ambient temperature is between 15°C and 35°C.

NOTE!
The Triple Power battery is rated at IP55 and thus can be installed outdoors as well as indoors. However, if installed outdoors, do not expose the battery to directly sunlight and moisture.

NOTE!
If the ambient temperature is beyond the operating range, the battery pack will stop operating to protect itself. The optimal temperature range for the battery pack to operate is from 15°C to 35°C. Frequent exposure to harsh temperatures may deteriorate the performance and lifetime of the battery module.

IV Battery Installation

Note: 1. For T-BAT H 5.8 + 1~3 battery modules, please finish the battery installation before connecting cables!
2. Please make sure that the Inverter is completely switched off before you start connecting cables!

- Mark the position of the holes.
- Drill five holes with a Φ 10 drill bit.
- Depth: at least 50mm.
- Hammer the expension tubes into the holes.
- Lock the joint between hanging board and wall bracket with M5 screw.
- Match the battery with the bracket.
- Screw the expansion bolts.

NOTE:
1. The distance between the bottom of the battery pack and floor shall not exceed 300mm.
2. It is recommended to keep a distance of at least 300mm between battery packs.

V Overview of Installation

DANGER!
One T-BAT system is allowed to install one T-BAT H 5.8 with another three battery packs at most. Connecting more than four batteries in total to the T-BAT system will blow the fuse, and the batteries will be damaged. Please keep in mind and follow this instruction.
VII Power Cable Connection

1. Connect the positive cable (+) and negative cable (-) to the BAT+ and BAT- respectively as shown in the following figure.
2. Keep the Inverter off. Connect the other end of charging cables (+,-) to the correct port on the Inverter.

VIII Power Cable Connection

1. Connect the the positive cable (+) and negative cable (-) to the BAT+ and BAT- respectively as shown in the following figure.
2. Keep the Inverter off. Connect the other end of charging cables (+,-) to the correct port on the Inverter.

IX Communication Cable Connection

For T-BAT H 5.8:
1. Insert one end of the CAN communication cable without cable nut directly to the BMS port of the Inverter.
2. Insert the other end of the CAN communication cable to the CAN connector. Assemble the cable gland and tighten the cable cap.

For T-BAT H 5.8 + 1–3 battery packs:
1. Connect RS485 II of the first battery module (as show on the right) to RS485 I on the next battery module(as shown on the left). Assemble the cable gland and tighten the cable cap.

X Ground Connection

The terminal point for GND connection is on the side of grooves as shown below:

CAUTION!
GND connection is mandatory!

XI Commissioning

If all the battery modules are installed, follow these steps to put it in operation.
1. Remove the upper cover board of T-BAT H 5.8;
2. Remove the small cover plate;
3. Rotate the DIP to corresponding number with small tool according to the number of battery pack(s) that has(ve) been installed(please see the configuration on the right);
4. Switch the circuit breaker to ON;
5. Press the POWER button to turn on the T-BAT system;
6. Put the small cover plate back;
7. Reinstall the upper cover board to T-BAT H 5.8;

DIP Configuration:
0- Matching T-BAT H 5.8 (default)
1- Matching T-BAT H 5.8 + 1*HV11550
2- Matching T-BAT H 5.8 + 2*HV11550
3- Matching T-BAT H 5.8 + 3*HV11550

NOTE
Each power cable has one terminal block connected after leaving the factory, and customers need to connect the other end of terminal block by themselves.
Please refer to 4.5.2 Cable Connection Steps on User Manual page 20 to get more instruction.