

HYPONTECH Quick Installation Guide EN

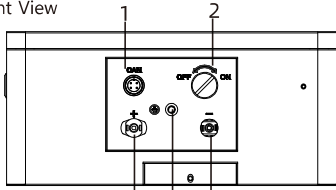
HBP-H3 / HBP-H6 / HBP-H9 / HBP-H12 / HBP-H15



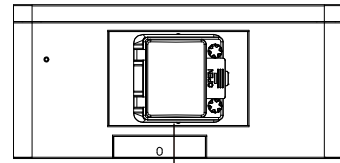
1. Product Overview

Parts Introduction(Battery Controller)

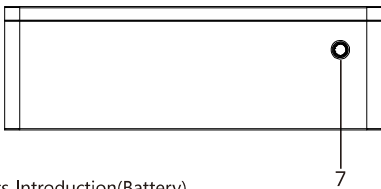
Right View



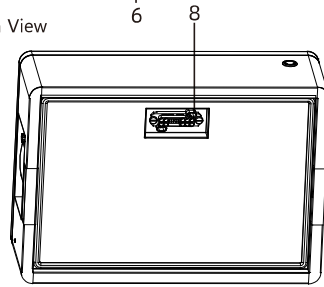
Left View



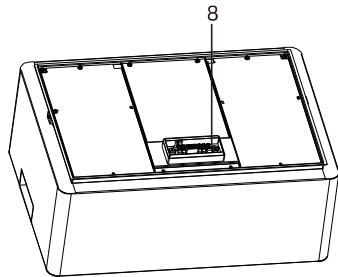
Front View



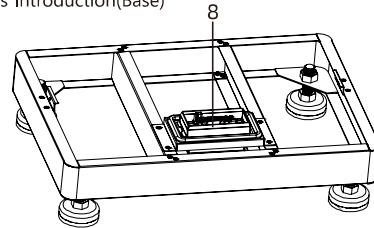
Bottom View



Parts Introduction(Battery)



Parts Introduction(Base)

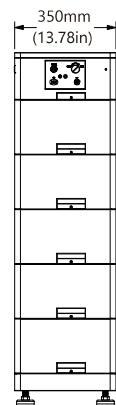
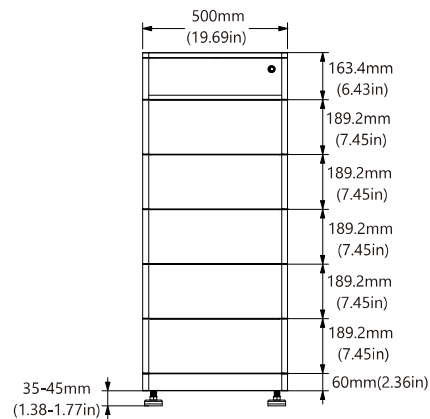


- 1. BMS: CAN Terminal
- 4. Grounding Point
- 7. Button Indicator

- 2. Power On Switch
- 5. External Positive Socket
- 8. Rectangular Connector

- 3. External Negative Socket
- 6. Circuit Breaker

Dimensions



2. Packing List

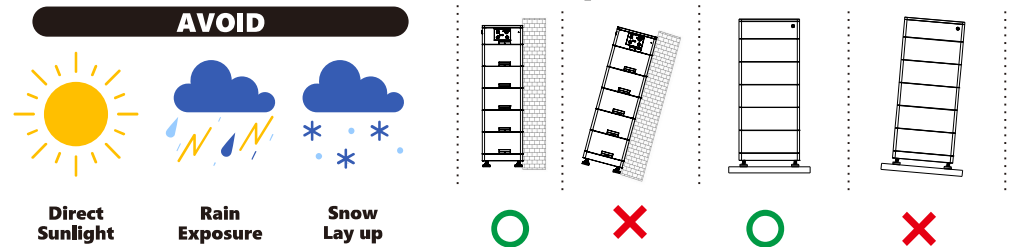
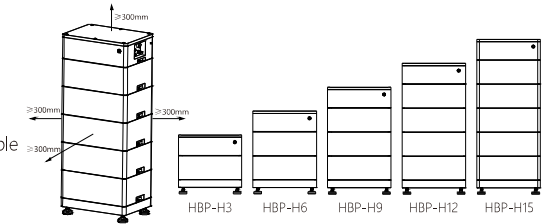
Battery Controller	Base	Battery	Mounting Screws	Mounting Bracket	Mounting Accessories	Battery Plugs (SUNCLIX)	BMS Terminal	Documents
1	1	N	N	1	1	1	1	1

N = Quantity depends on the battery system.

3. Installing

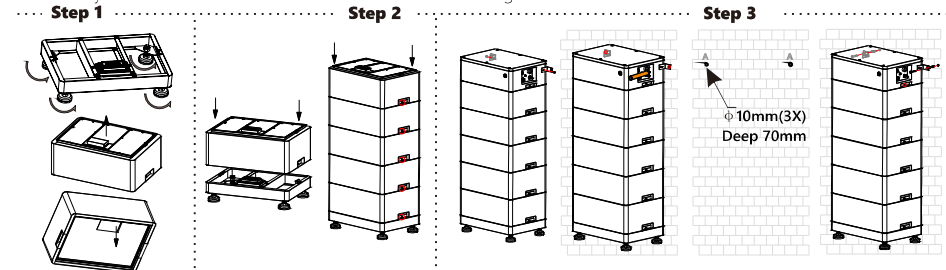
Installation Requirements

- Please install the battery(s) in places that can avoid inadvertent contact.
- Please install the battery on solid/smooth surfaces.
- The battery(s) should not be installed near inflammable or explosive objects.



3.1 Mounting

- 3.1.1 Place the Base cling to the wall; the adjustable feet can adjust Base level. Remove the upper and lower insulation covers of each battery box.
- 3.1.2 Place the Battery module on the base; each module uses 2 screws to fix.
- 3.1.3 Install the remaining batteries according to actual battery system type.
- 3.1.4 Put the Battery Controller above the Battery modules securely. Mark the drilling hole using a marker, then remove the Battery Controller.
- 3.1.5 Drill holes using the hammer drill.
- 3.1.6 Secure the brackets to prevent the Battery Controller from falling down. Battery Controller uses 2 screws to fix on the left and right sides.

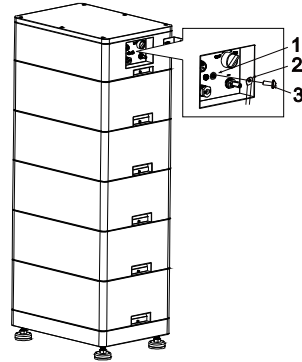


NOTICE

The battery module is 29kg. It's necessary to arrange more than 1 person to install battery module if without lifting equipment, more than 2 person when install battery module in higher position.

3.2 Installing the PE Cable

Connect the PE cable first before installing the equipment. Disconnect the PE cable before dismantling the equipment. The PE terminal is equipped at the side of the Battery Controller. PE Conductor cross-section: 10mm². Ensure the PE terminal is reliably grounded and the grounding resistance is less than 10 Ohm.



Object	Description
1	Battery Controller
2	M6 terminal lug with protective conductor
3	M6×10 Screw

Tighten it firmly into the housing (Torque: 3.5~5Nm).

NOTICE

The battery system is high voltage DC system. NOT properly connecting PE will void all product warranty.

3.3 Battery Wire Assembly and Connection

Meeting the following requirements is mandatory. All warranty rights will otherwise be invalid.

3.5.1 The DC breaker between the inverter and the battery, and between the two batteries, shall be installed in accordance with local laws and regulations.

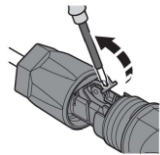
The breaker should isolate both positive and negative conductors simultaneously

3.5.2 Prevent reverse polarity connection!

3.5.3 If the Battery connectors are not assembled properly and locked into place, arc or overheat may be induced.

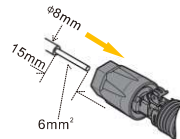
Step 1

Open the spring using a blade screwdriver



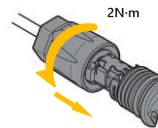
Step 2

Insert the stripped wire with twisted wires. The wire ends have to be visible in the spring. Make sure the spring is closed firmly.



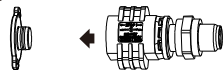
Step 3

Use a suitable and calibrated torque wrench, size 15. Use an open-jaw wrench, size 16, to hold the connector in place.

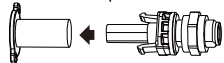


Step 4

Remove the waterproof caps from battery terminals

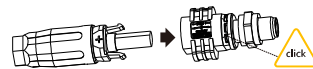
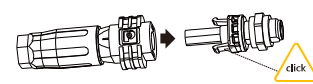


If there is an unused terminal, please seal it with the cap



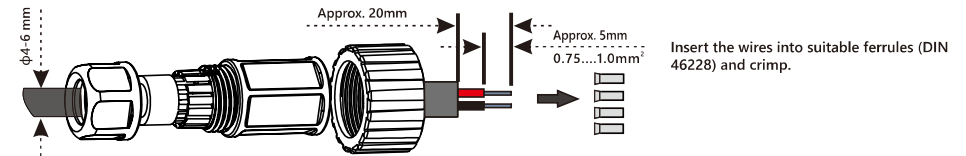
Step 5

Insert the connectors into the terminal till you hear an audible click.



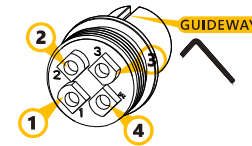
3.4 BMS Connection

Step 1



Step 2

Insert the crimped conductors accordingly into their corresponding terminals and tighten the screws.

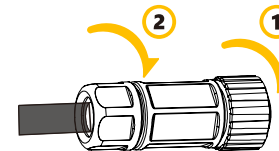


CAN FOR BMS

CANH ▶ PIN2
CANL ▶ PIN3

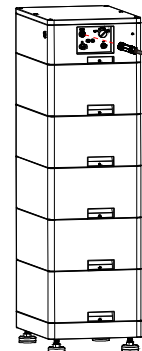
Step 3

Assemble the locking cap, threaded sleeve and swivel nut together.



Step 4

Screw the connector into the corresponding socket and tighten firmly.



NOTICE Make sure the communication cable gland has been mounted properly and adequately

4. Commissioning

Please check if

1. The battery and mounting bracket have been correctly installed.
2. The battery system's exposed metal surface has a ground connection.
3. Double check all the power cables and communication connectors have been correctly wired and tightened.
4. Make sure the voltage of the inverter is in the same level with the battery system.

Startup

Switch on the inverter, to make sure all the power equipments can work normally. Start the battery system.

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For more information, please download the user manual and other technical documents at www.hyponotech.com