

QUICK INSTALLATION GUIDE

CBS5000-H4-H12



01 BASIC SAFETY INFORMATION

Please familiarize yourself with the safety tips and symbols first.
Shenzhen SOFARSOLAR Co., Ltd. is not responsible for any personal injury or property damage caused by improper use.

1.1 SAFETY SIGNAL SYMBOL

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| ⚠ DANGER |
| <ul style="list-style-type: none">All installations and electrical connections may only be carried out by trained electricians.Keep this product out of the reach of children.Juveniles should not use this product. |
| ⚠ WARNING |
| <ul style="list-style-type: none">Use insulated tools and wear personal protective equipment to ensure personal safety when performing installation operations.Ensure that the battery is used in the equipment system authorized by SOFAR, and if the battery is damaged or other losses caused by illegal use or unauthorized use of the equipment by SOFAR, SOFAR has the right not to do warranty, not to bear joint liability. |
| ⚠ CAUTION |
| <ul style="list-style-type: none">Do not touch the wiring harness while the equipment is in operation.It is strictly forbidden to touch the heating parts of the device to avoid burns . |
| ⚠ ATTENTION |
| <ul style="list-style-type: none">Batteries should be grounded in accordance to the requirements of the local electrical grid company. |

1.2 PRODUCT LABEL MARK

| | | | |
|--|--|--|--|
| | Caution: Danger! | | Caution of hot surface. |
| | Caution of high voltage and electric shock. | | Inflammable materials. |
| | Presence of toxic substances or hazardous chemicals. | | Caution: risk of electric shock! Wait for the device to discharge (5 minutes). |

| | | | |
|--|-------------------------------|--|----------------------------|
| | No children will be admitted. | | Earthing point. |
| | No fire. | | Observe the documentation. |
| | Do Not Extinguish With Water. | | |

02 DELIVERY SCOPE

| NO. | Image | Description | Quantity Pcs. | NO. | Image | Description | Quantity Pcs. |
|-----|-------|-------------------------------|---------------|-----|-------|---|---------------|
| 1 | | CBS5000-BCU | 1 | 9 | | BCU wall mounted connector | 2 |
| 2 | | Upper cover | 1 | 10 | | M4*12 cross screw | 8 |
| 3 | | Base | 1 | 11 | | M6*12 hexagon screw | 4 |
| 4 | | Ground wire | 1 | 12 | | M6*60 expansion screws (wall bracket, base) | 6 |
| 5 | | COM cable | 1 | 13 | | M5*16 hexagon screw | 2 |
| 6 | | Power line (red) | 1 | 14 | | Quick installation guide | 1 |
| 7 | | Power line (black) | 1 | 15 | | Factory inspection report | 1 |
| 8 | | Wall mounted connection piece | 2 | | | | |

Ground

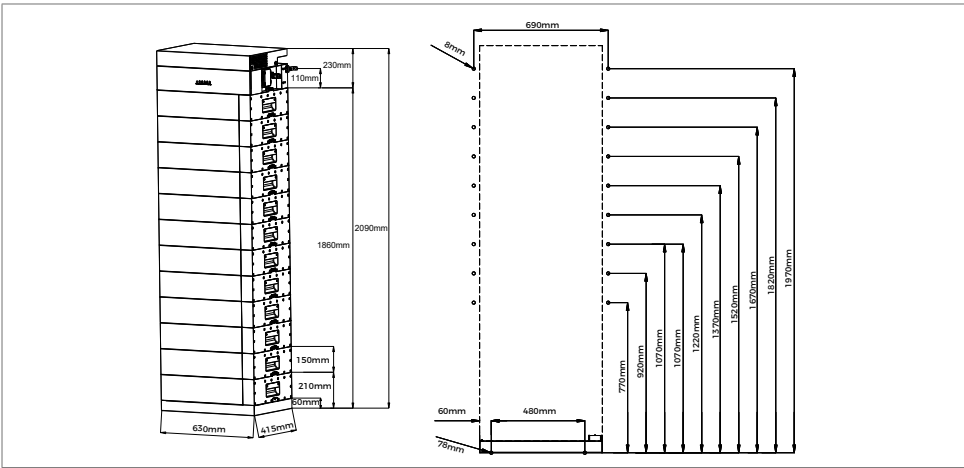
03 PRODUCT INSTALLATION

3.1 INSTALLATION REQUIREMENT

▶ Installation environment

▶ Installation space

3.2 INSTALLATION HOLE POSITION AND SIZE

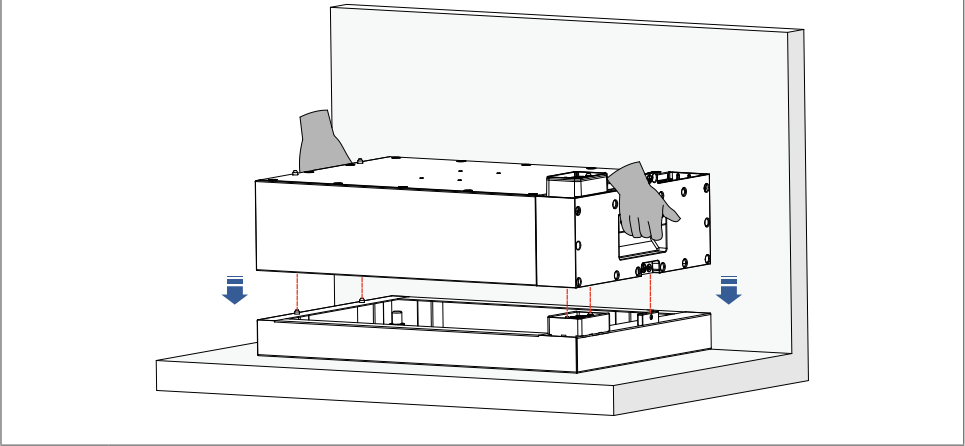


3.3 INSTALL THE BASE

Drill holes on the ground and fix the base.

3.4 INSTALL MODULE

STEP 1 Align the first battery expansion module with the support on the floor support.



STEP 2

Tighten the two screws at the connection between the battery and the right side of the base.

STEP 3

Tighten the two screws at the connection between the battery and BCU on the right side.

3.5 INSTALL ANTI DETACHMENT BRACKET

M4

4 N·m

M6

8 N·m

M6

8 N·m

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04 ELECTRICAL CONNECTION

4.1 CONNECT THE GROUND WIRE

M4

4 N·m

M4

4 N·m

4.2 CONNECT THE POWER CORD

- Before installing the power cord, please unplug the dust plug at the terminal first.
- If only one cluster of batteries is connected, please unplug the two dust plugs on one side to connect the wiring harness.
 - If two clusters of batteries need to be connected in parallel, please remove the four dust plugs on both sides.
 - If the port is not connected to the wiring harness, please plug the dust plug securely.

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Please ensure that the power cord latch is pushed forward and in the unlocked state during installation.
After installing the power cord, push the lock buckle backwards to lock the power cord.

OPEN

LOCK

Battery power cable Installation.

Tighten the two screws at the right connection between the upper cover and BCU.

M4

4 N·m

Inverter power cable Installation.

Click

4.3 CONNECT THE COMMUNICATION CABLE

- If only one set of batteries is connected, simply connect the communication harness on one side of the BCU.
- If two clusters of batteries are required, the communication harness on both sides of the BCU connected to the inverter needs to be installed.

1

2

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4

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4.4 CONNECTION WITH INVERTER

05 POWER ON TESTING

- Rotate the DC switch on the inverter to ON.
- Set the Circuit breaker of the BCU to ON.
- Press the black start switch on the BCU to power on the battery for the first time.

Guangdong SOFAR Smart Solar Technology Co., Ltd.
No.1, Dongsheng North Road, Chenjiang Street,
Zhongkai High-tech Zone, Huizhou City, China
Web: www.sofarsolar.com
Email: info@sofarsolar.com
EU Representative Information: SofarSolar GmbH
Add.: Kraemerstrasse 20, 72764 Reutlingen, Germany
Tel: +49 (0)7121 31767-0
Email: europe@sofarsolar.com



Product User Manual



After-sales Service

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