**Quick Installation Guide**

Valid for Battery-Box H 5.0/7.5/10.0

---

**Tools**

- Wire Crimp
- M6/M4 Precision screwdriver
- Phillips screwdriver
- Levelling instrument
- Wrench
- Power drill

**Packing list**

<table>
<thead>
<tr>
<th>Packing of BCU+BASE</th>
<th>Packing of B-Plus H 2.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>① M6  x6PCS</td>
<td>④ M6  x4PCS</td>
</tr>
<tr>
<td>② M6 Expansion bolt x3PCS</td>
<td></td>
</tr>
<tr>
<td>③ OT terminal for P+/P-/Ground x4PCS</td>
<td></td>
</tr>
</tbody>
</table>

---

**Important**

**Skilled personnel recognized**

This manual and the tasks and procedures described herein are intended for use by skilled workers only. A skilled worker is defined as a trained and qualified electrician or installer who has all of the following skills and experience:

- Knowledge of the functional principles and operation of on-grid systems.
- Knowledge of the dangers and risks associated with installing and using electrical devices and acceptable mitigation methods.
- Knowledge of the installation of electrical devices.
- Knowledge of and adherence to this manual and all safety precautions and best practices.
- You must update the latest firmware of BCU after completing the Battery-Box H 5.0-10.0, the installer is responsible for system damage caused by not updating the software in time. Before installing BCU, make sure the system switch is switch off.
- If the system does not work, please switch off the system switch before you leave to avoid damage caused by the event.

---

**Installation environment requirements**

- Max. +50°C
- Min. -10°C
- RH. +5%~+95%
- Flammable material or gas near the installation
- Direct sunlight
- Direct rain fall
- Snow accumulation
- Flammable wall

---

**Overall structure**
Installation step

1. Unpack
   - BCU + Base
   - *n=2, 3, 4 B-Plus H 2.5

2. Separate base and BCU
   - D=0mm~63mm

3. Install battery and BCU
   - Before installing BCU, make sure the system switch is switch off.

4. Install Wall-mount
   - 4.1 Use a pencil to mark the location of the hole to be drilled.
   - 4.2 Remove the BCU, punch holes in the wall with hammer drill.
   - 4.3 Install expansion bolt in punched holes.
   - 4.4 Install the BCU, then lock the crews and expansion bolt.

5. Open the BCU cover

6. BCU internal overview

7. Connect cables
   - Connection sequence of BCU
     1. Ground cable.
     2. Negative cable
     3. Positive cable.
     4. Communication cable(CAN H, CAN L, EN 11V+, EN 11V-)
     5. network cable

- P+ P- cables & Ground
- S=6mm²
- Cross-section of cable
8a. Connect with WIFI

ON

BYDxxx

WLAN

BYDxxx

network 1

network 2

192.168.6.1.

192.168.6.1

BYDxxx

WLAN password

123456789

cancel

login

BYDxxx

Username

installer

Password

byd@12345

cancel

login

8b. Connect through ethernet cable

ON

Connect the network cable

Set your computer IP into a static IP

IP address: 192.168.6.10

Subnet mask: 255.255.255.0

BYDxxx

Network 1

Network 2

192.168.6.1

192.168.6.1

BYDxxx

Username

installer

Password

byd@12345

cancel

login

9. User information setting

Battery-Box HV

Privacy Policy

Wizard

Home

Device Information

Installation Config

Statistics Information

Current Alarm

History Alarm

Run Date

Set Password

Update

Inverter Information

Reboot and Restore

1. Step 1

2. Step 2

3. Finish & Reboot

Time and Date *

Hour : Min : Day : Month : Year :

Next

Last

Server IP Address *

bboxhserv.byd.com.cn

Series Battery Conts *

2/3/4

Inverter *

SMA

Country *

Asterisk(*) Indicates required fields

1. Step 1

2. Step 2

3. Finish & Reboot

This parameter is important.

If set up incorrectly, it can cause the system to fail to work.

Reboot System...

Please wait about 50 seconds.

10. Update the firmware

☆ Please update the latest software after installation.

Update software: https://www.eft-systems.de/us/downloads

Run Data

Set Password

User Information

Update

Reboot and Restore

Update

Search...

Upload

If there is any new version on the server, clicking UpdateCheck will update the system.
BYD requires setting the following parameters for the inverter:

<table>
<thead>
<tr>
<th>No.</th>
<th>SMA Sunny Boy Storage Parameter</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Battery-Areas of application-Lower Int deep disch. Protect area prior shutdown</td>
<td>2%</td>
</tr>
<tr>
<td>2</td>
<td>Battery-Areas of application-Minimum width of deep discharge protection area</td>
<td>3%</td>
</tr>
<tr>
<td>3</td>
<td>Battery-Areas of application-Area width for conserving battery state of charge</td>
<td>3%</td>
</tr>
<tr>
<td>4</td>
<td>Battery-Areas of application-Minimum width of own consumption area</td>
<td>100%</td>
</tr>
</tbody>
</table>

The installation method of the inverter may be changed. Please refer to the installation instructions for the inverter.

This manual is a shortened assistance for the installation of the Battery-Box HV and does not replace the original manual, which can be found on www.eft-systems.de. The installation must be carried out by a qualified expert. Attention, High Voltage Storage! Improper handling can cause danger and damage.

Customer Service E-Mail: USservice@eft-systems.de; Telephone: +1(833)338-8721.