



BYD Battery-Box HV
QUICK REFERENCE GUIDE
 Valid for Battery-Box H 6.4/7.7/9.0/10.2/11.5



Target Group

V1.4



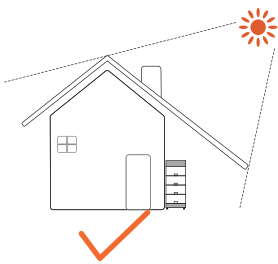
Skilled personnel recognized

This manual and the tasks and procedures described herein are intended for use by skilled workers only.

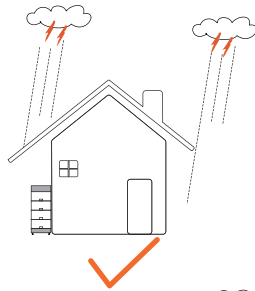
A skilled worker is defined as a trained and qualified electrician or installer who has all of the following skills and experience:

- 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.

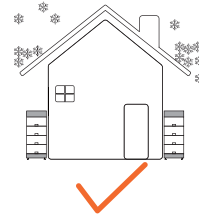
Installation environment requirements



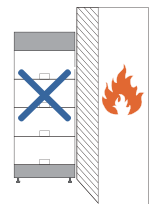
Direct sunlight



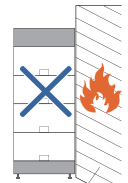
Direct rain fall



Snow accumulation

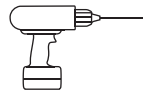
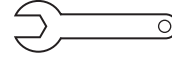
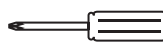


Flammable material or gas near the installation



Flammable wall

Tools



Packing list

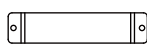
Packing of BCU+BASE

Packing of B-Plus L 3.5

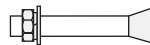
① M5 x4



② Pylons x1



③ Expansion bolt M6x3



④ Sealing plug x3



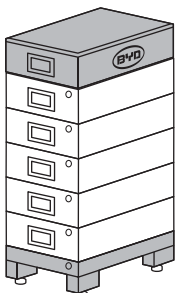
⑤ Sealing plug x3



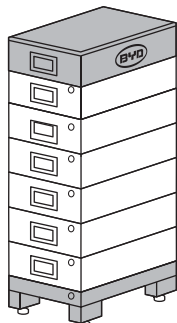
Overall structure

* If connected to the SMA inverter, n = 5-8 Module
 Unless SMA & BYD updates the information.

n=5, 6.4KWh



n=6, 7.7KWh



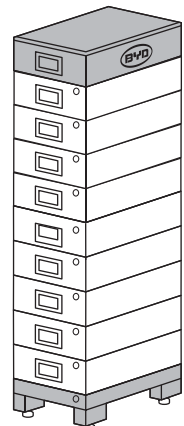
n=7, 9.0KWh



n=8, 10.2KWh

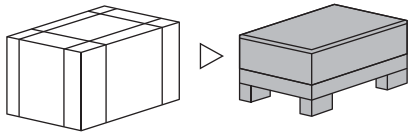


n=9, 11.5KWh

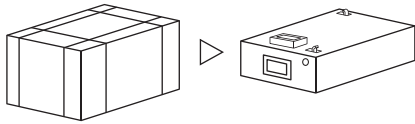


1. Unpacking

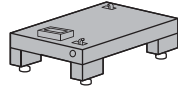
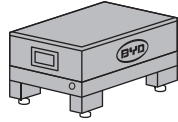
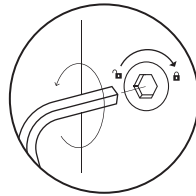
BCU + Base



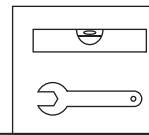
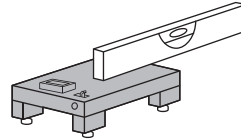
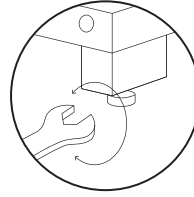
n=5-9 Module



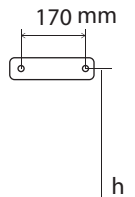
2. Separation base and BCU



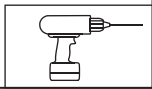
3. Balance



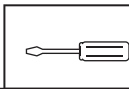
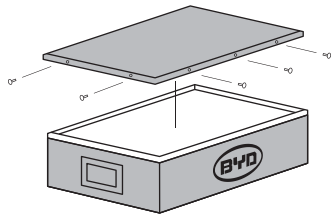
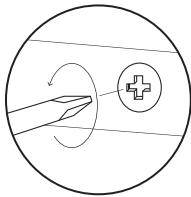
4. Mounting rack



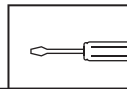
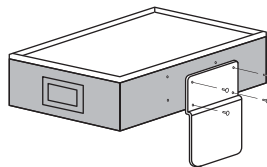
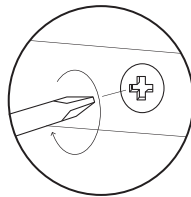
	mm				
n	5	6	7	8	9
h	788	908	1028	1148	1268



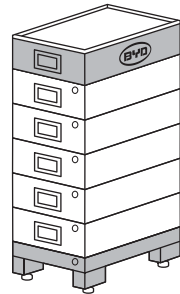
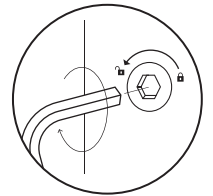
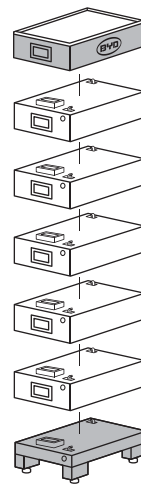
5. Open the cover of BCU



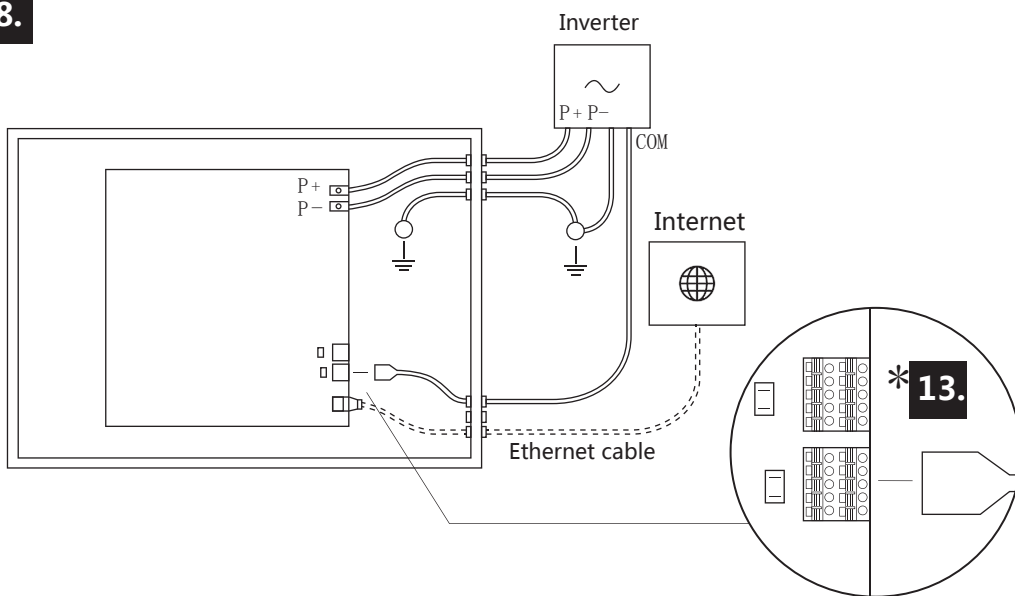
6. Open the cover of BCU



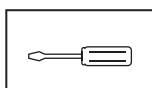
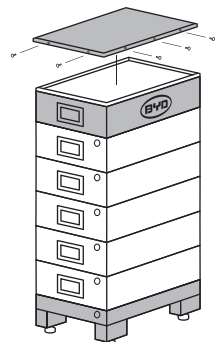
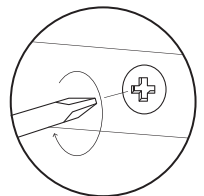
7. Clock battery module and BCU



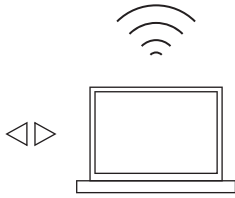
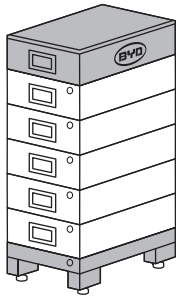
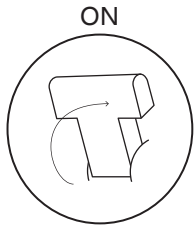
8.



9.



10a. Connecting with WIFI



WLAN

BYDxxx

network 1

network 2

192.168.5.1 x

192.168.5.1.

BYDxxx

WLAN password

123456789

cancel login

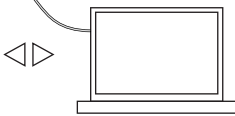
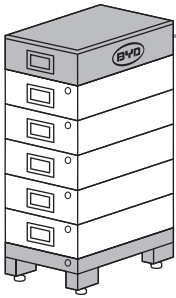
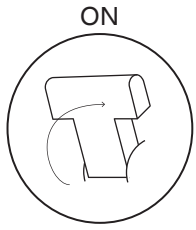
BYDxxx

Username installer

Password byd@12345

cancel login

10b. Connecting through ethernet cable



192.168.6.1

← → C 192.168.6.1.

BYDxxx

Username installer

Password byd@12345

cancel login

11. User information setting

- History Alarm
- Run Date
- Set Password
- Installation Config**
- Inverter Information
- Update

User Info

☆ Time and Date* Hour: [] Min: [] Day: [] Month: [] Year: []

Apply Cancel

☆ Server Ip Address * [bbohxserverbyd.com.cn]

☆ AddressPosition Latitude: [] [] [] Longitude: [] [] []

☆ Array Counts * [1]

☆ Series Battery Counts Install Time: [] [] []

☆ Inverter * []

☆ Country * []

☆ Station Namt * []

Asterisk(*) indicates required fields

Apply Cancel

Server Ip Address [bbohxserver.byd.com.cn]

...

Series Battery Count [n]

...

Apply

n=5-9 Module

* If connected to the SMA inverter, n = 5-8 Module Unless SMA & BYD updates the information.

12. Update the firmware

- ☆ Please update the latest firmware after installation.
- Download the firmware: [www.eft-systems.de\(Support->Downloads\)](http://www.eft-systems.de(Support->Downloads))
- <http://alpspower.com.au/download/>

- History Alarm
- Run Date
- Set Password
- Installation Config
- Inverter Information
- Update**

Update

Please input the file: [Durchsuchen...]

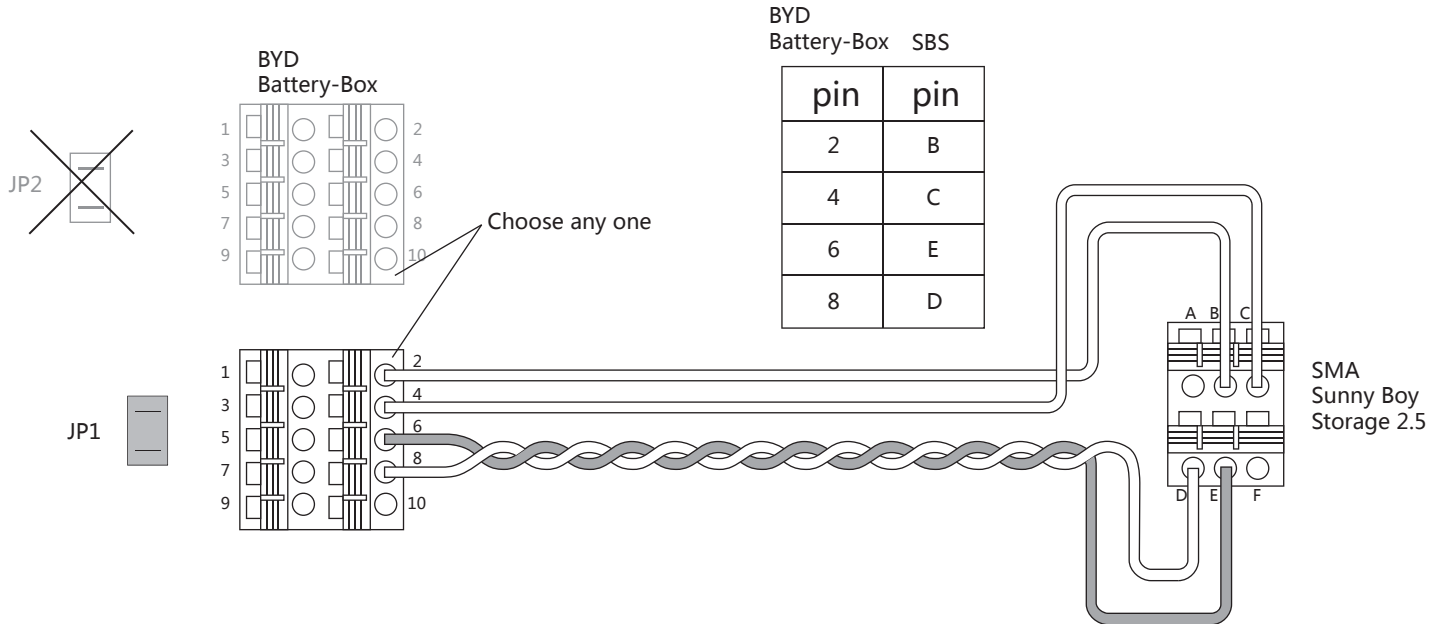
Upload

If there is any new version on the server, clicking [UpdateCheck] will update the system.

Please input file: [Durchsuchen...]

[Upload]

13a. SMA Sunny BoyStorage 2.5 & 6.0



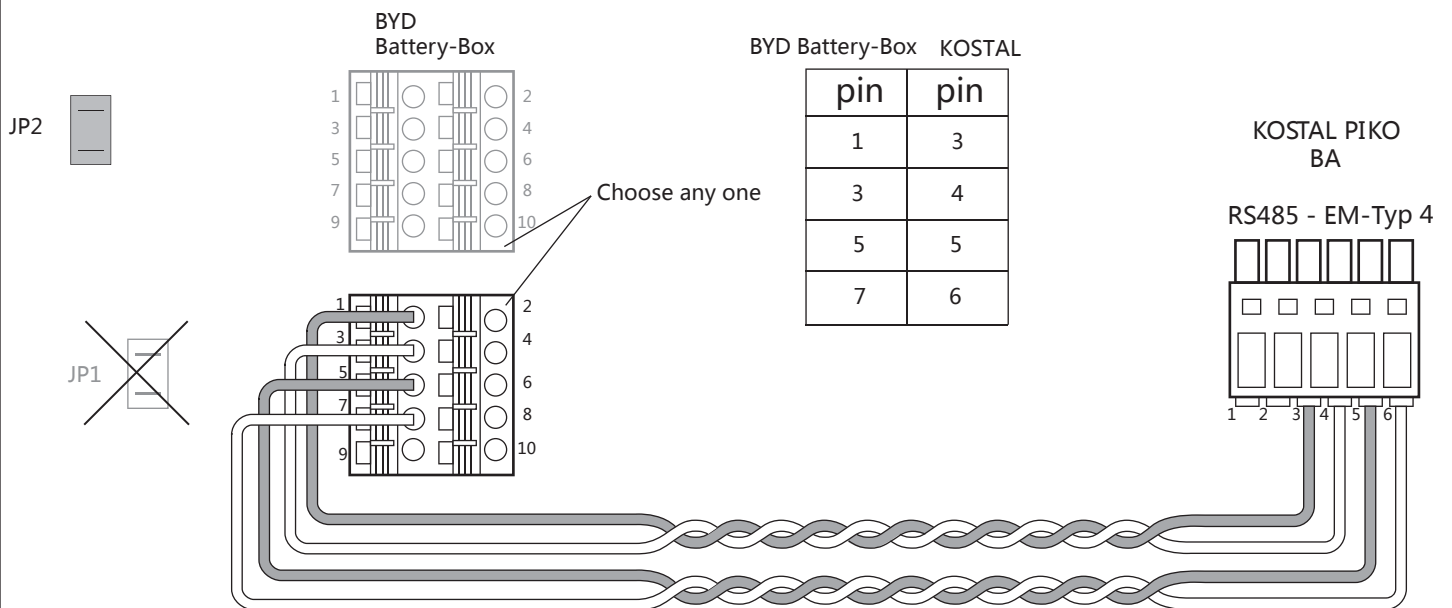
BYD requires setting the following parameters for the inverter:



No.	SMA SBS Parameter	
1	Battery-Areas of application-Lower Imt deep disch.Protect area prior shutdown Battery-Nutzungsbereiche-Untere Grenze des Tiefenladenschutzbereichs vor Abschaltung	2%
2	Battery-Areas of application-Minimum width of deep discharge protection area Battery-Nutzungsbereiche-Minimale Breite des Tiefenladenschutzbereichs	3%
3	Battery-Areas of application-Area width for conserving battery sate of charge Battery-Nutzungsbereiche-Breite des Bereichs zur Erhaltung des Batterieladezustands	3%
4	Battery-Areas of application-Minimum width of own consumption area Battery-Nutzungsbereiche-Minimale Breite des Tiefenladenschutzbereichs	100%

SMA Sunny Boy Storage 2.5 software version \geq SBS2.5-V2.04.23

13b. KOSTAL PIKO BA Valid for PIKO 6.0 BA , PIKO 8.0 BA , PIKO 10 BA



KOSTAL PIKO BA software version \geq Firmware:FW-B2.30
UI:UI-B6.44