



深圳市比亚迪锂电池有限公司  
BYD LITHIUM BATTERY CO., LTD.

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# **How to update firmware & enter the user information**



## List

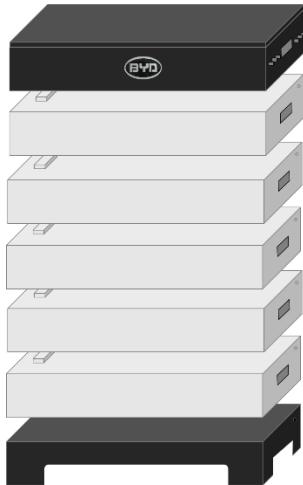
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## 1. Install the B-Box

According to the installation manual.

There is no need to connect the inverter before updating the firmware.



## 2. Update the firmware.

### 2.1 Turn on the switch.

Turn on the switch



### 2.2 Connect the computer to WIFI.

(Password: 123456789)





## 2.3 Download firmware

Log in to the following website to download the latest firmware.

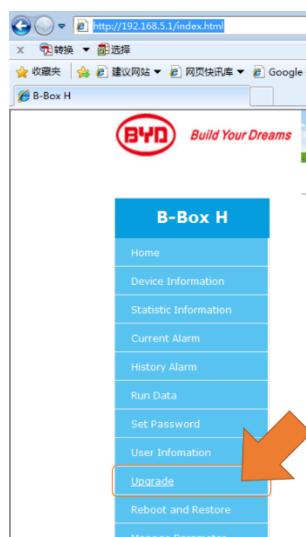
<http://alpspower.com.au/download/>



## 2.4 Open the home page.

Open the B-Box H home page.

(URL: 192.168.5.1      Username: installer      Password: byd@12345)

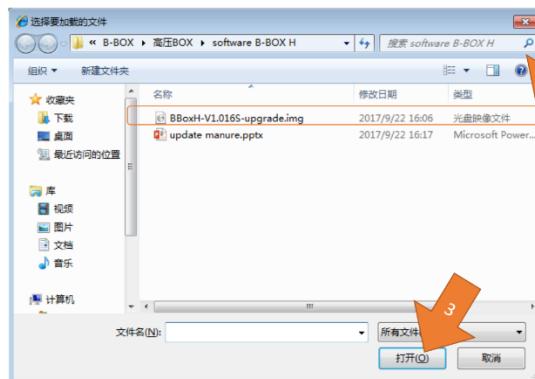


Click the Upgrade



### Upgrade

Please input file:  浏览...



After the Update firmware, B-Box H will restart. Please re-connect WIFI and continue to the next step.



### 3. Enter the user information.

☆The user information is very important.

#### 3.1 Set the battery time.

Enter the battery date & time. Click the Apply

Click the **User information**, Enter Date and time Click the **Apply**

The screenshot shows the B-Box H software interface. On the left, there's a sidebar with various options: Home, Device Information, Statistic Information, Current Alarm, History Alarm, Run Data, Set Password, User Infomation (which is highlighted with an orange box and arrow), Upgrade, Reboot and Restore, and Manage Parameters. The main area is a configuration dialog for user information. It includes fields for Longitude (114), Latitude (16), Address (9.000000), Array Count (1), Series Battery Count (5), Install Time (2017-9-21 15:31:4), Inverter (SMA), Country (China), User Name (vic), Email (vic.zhang@byd.com), Telephone, Address, and Asterisk (\*) indicates required fields. At the bottom are 'Apply' and 'Cancel' buttons. Below the dialog is a 'Time and Date:' field set to 1970-01-01-00-17, with 'Apply' and 'Cancel' buttons underneath.

#### 3.2 Enter the Server Ip Address & Latitude and longitude

Server Ip Address: bboxhserver.byd.com.cn

AddressPosition (We recommend using the Iphone compass to obtain latitude and longitude)

Latitude:( If in the southern hemisphere, please add -)

Longitude(If in the west longitude, please add - )

The screenshot shows a configuration dialog for server settings. It has two main sections: 'Server Ip Address \*' containing the value 'bboxhserver.byd.com.cn' and 'AddressPosition \*' containing 'Latitude : 22' and 'Longitude : 114'. Both sections have their respective values followed by '16.000000' and '9.000000' respectively. The entire dialog is enclosed in an orange border.



### 3.3 Enter the battery quantity.

☆This information is very important. If this number is different from the actual number of batteries, the system will not work.

Open the Iphone compass, Enter the station latitude and longitude and other information (Starred is required)

Click the **Apply**

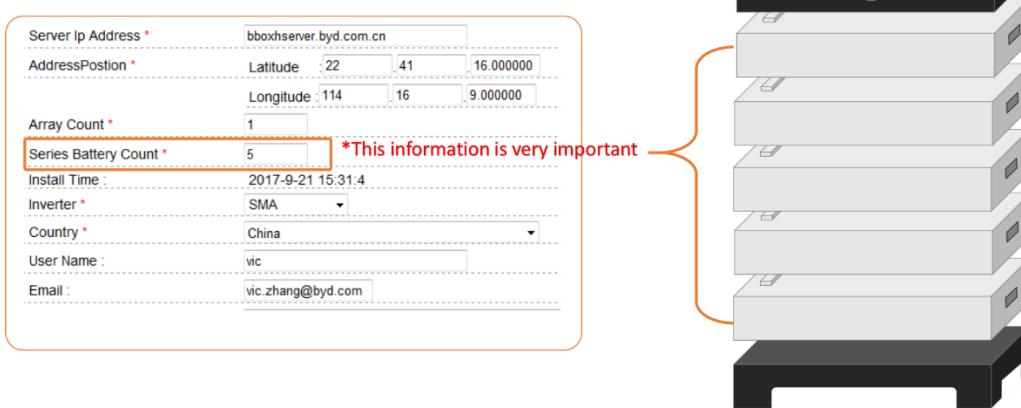
User Info

Server Ip Address *	bboxhserver.bsd.com.cn
AddressPostion *	Latitude : 22 41 16.000000 Longitude : 114 16 9.000000
Array Count *	1
Series Battery Count *	5
Install Time :	2017-9-21 15:31:4
Inverter *	SMA
Country *	China
User Name :	vic
Email :	vic.zhang@byd.com
Telephone :	
Address :	

Asterisk (\*) indicates required fields

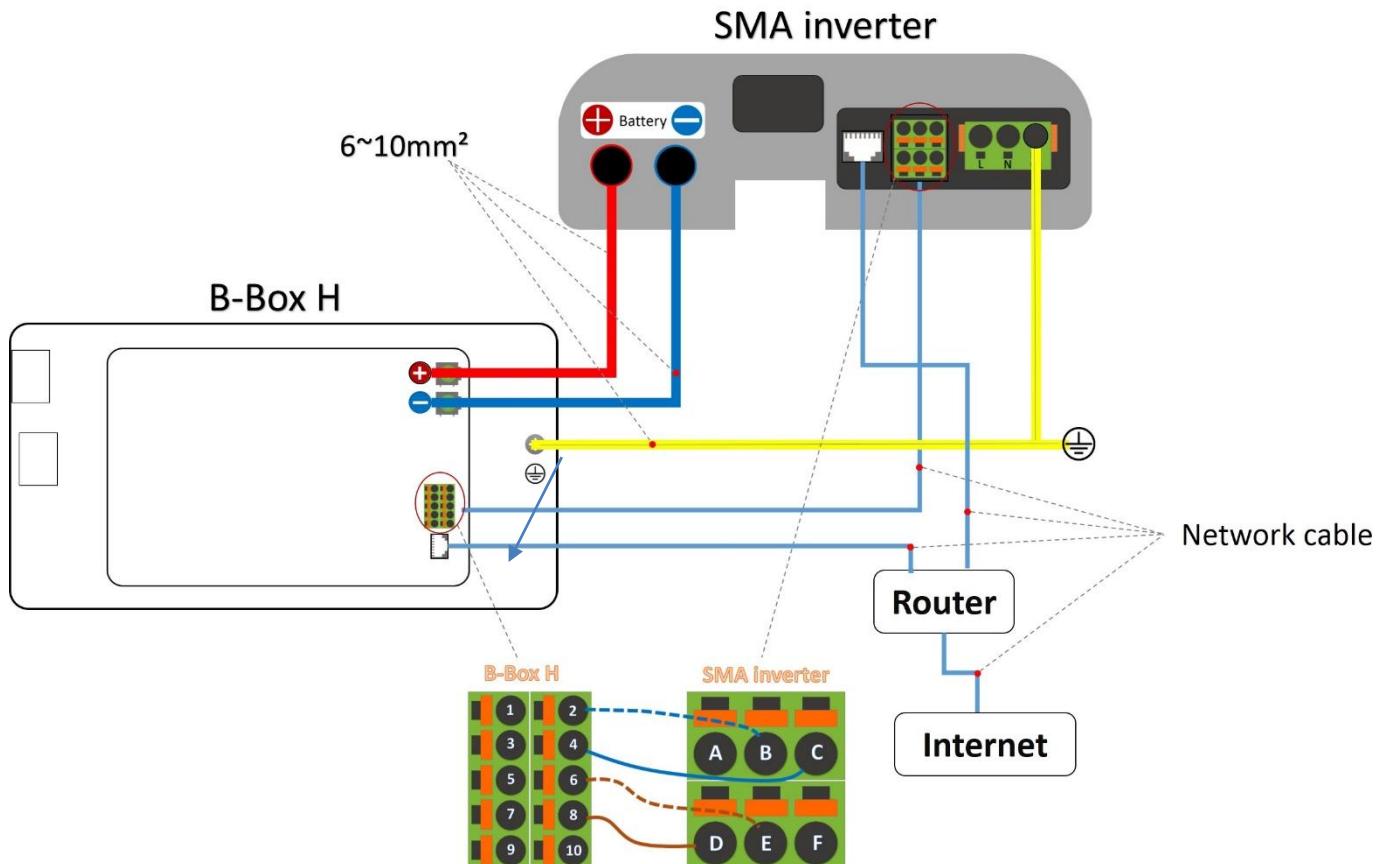
Apply      Cancel

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#### 4. Connect the inverter.

★Make sure that the grounding of the B-Box and the ground connection of the SMA inverter are normal.



#### 5. SBS battery parameter setup

Setup the battery parameters in "Battery > Areas of application" section as follows:

##### Areas of application

Lower lmt deep disch. protect area prior shutdown	2 %
Minimum width of deep discharge protection area	3 %
Area width for conserving battery state of charge	3 %
Minimum width of own consumption area	100 %