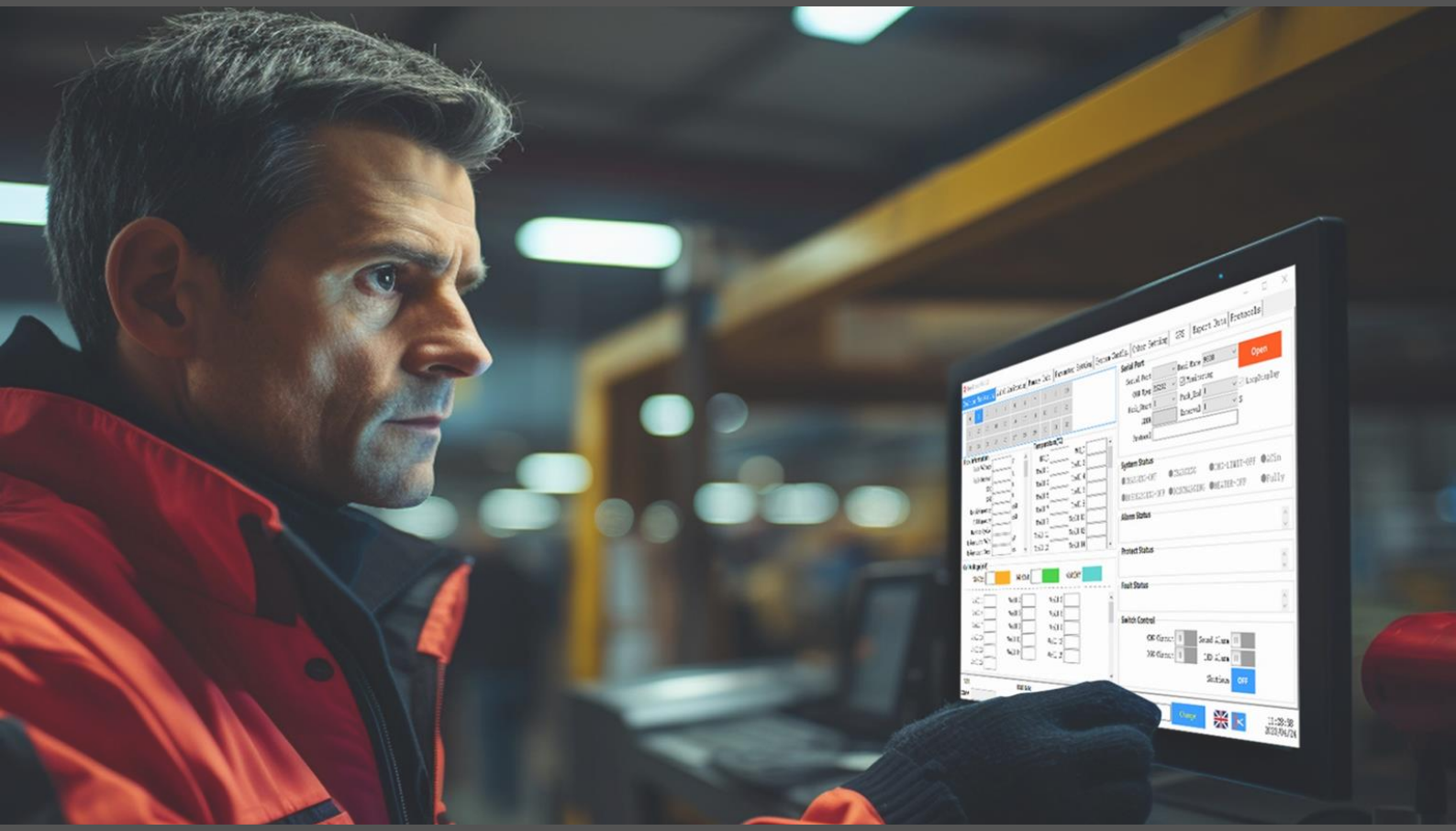
Voltsmile ENERGY



BmsTools HS2.0.2 software

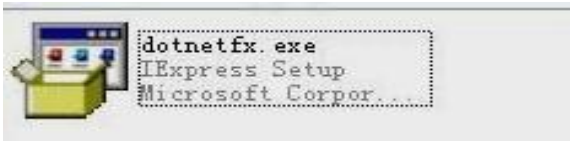
User Manual

I. Software running environment

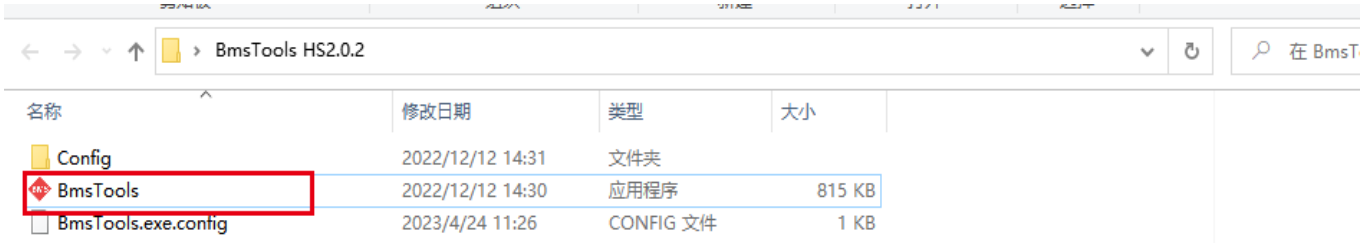
This software runs on PC and its compatible machines using the WINDOWS operating system. The system environment requires the support of the NET Framework 2.0 or above, please make sure it is installed before using it.

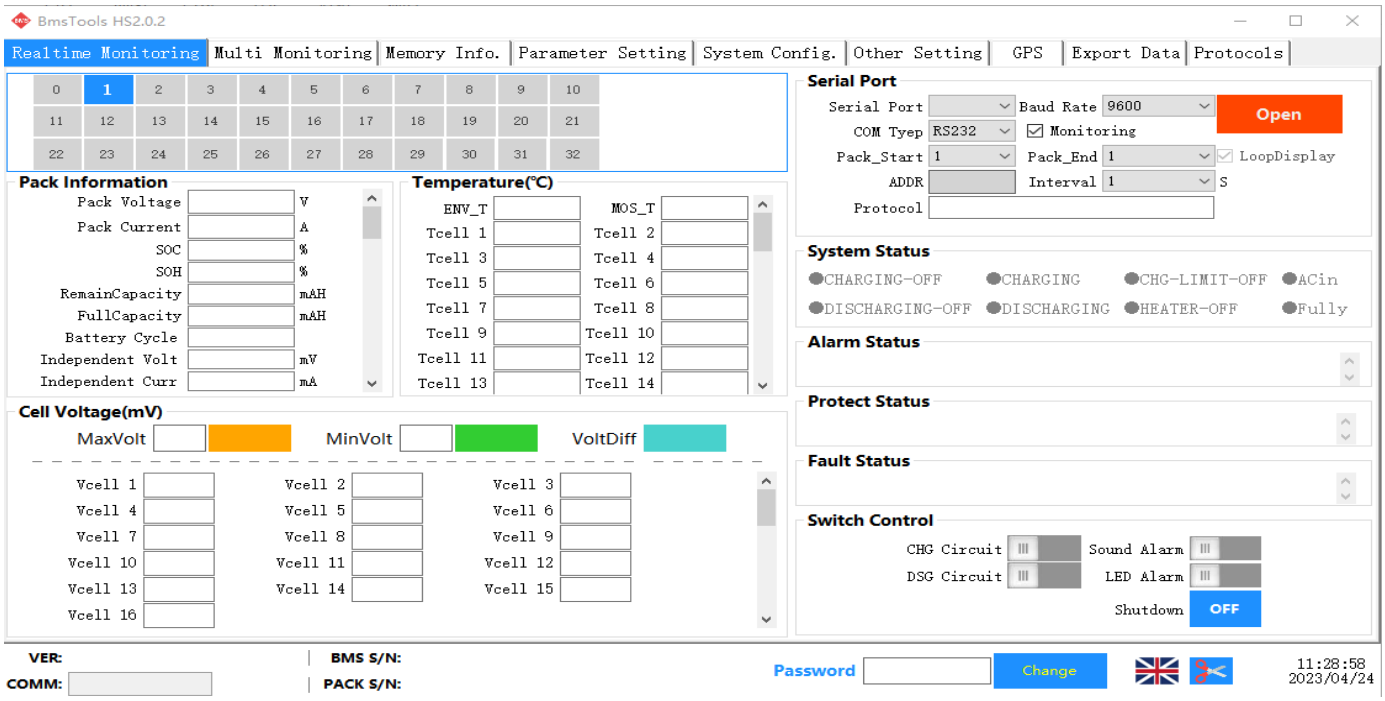
1. **Download** Microsoft .NET Framework.

2. **Double click** on the downloaded program to install it.



3. The software does not need to be installed independently, just double click on the main program icon to run it when the running environment is satisfied.





4. Language switch :

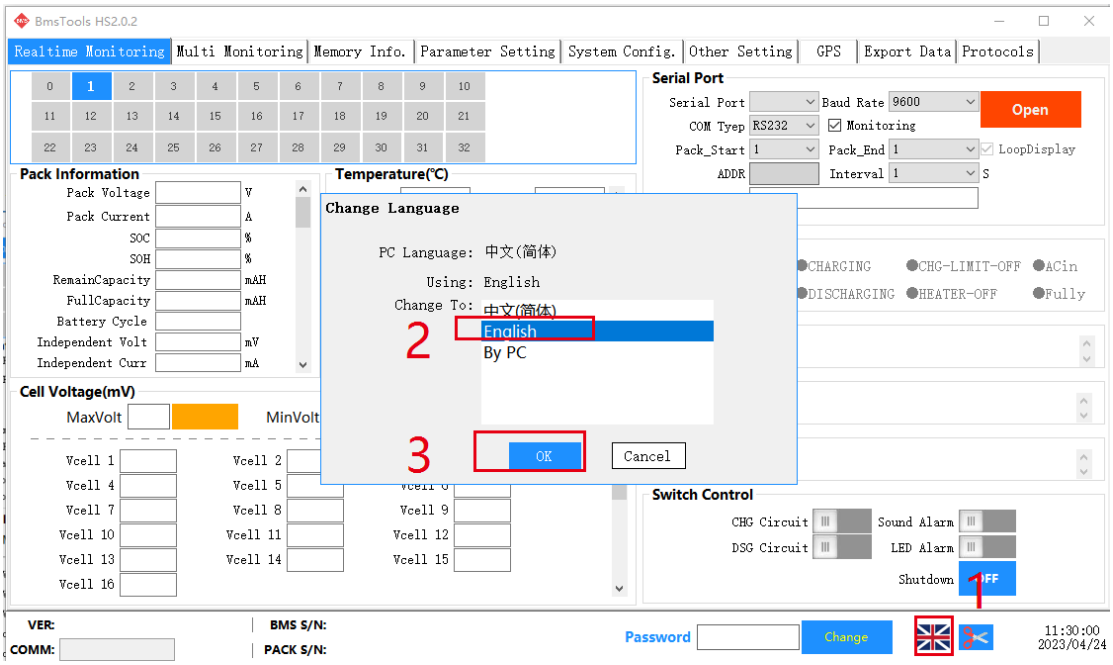
1. Click on the national flag icon

2. Select English as the current language **English** interface language is English

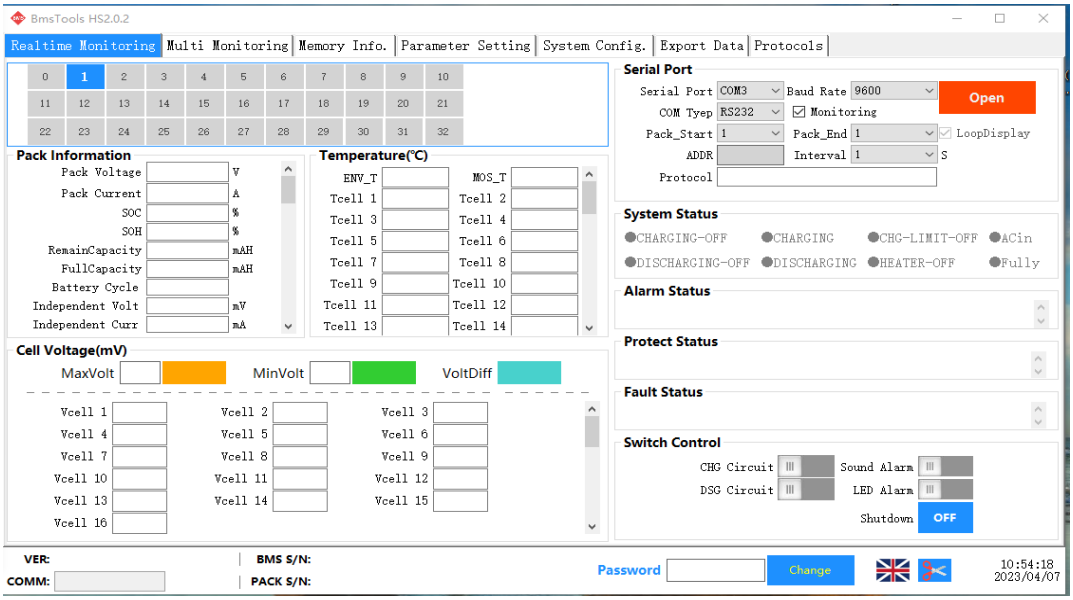
By PC：The language of the interface is determined by the language of the computer.

If the language is not entered on the PC, the default language is English.

3. Click on "OK".



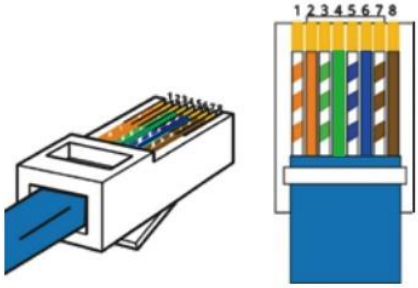
（4）English interface



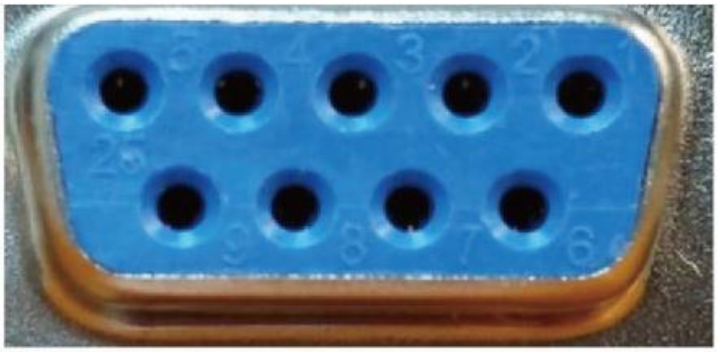
II RS232 communication connection

1. RS232 communication cable connection:

2. Definition of RS232 communication cable connection:



Pin	Colour	Defenition
1	Orange & White	NC
2	Orange	NC
3	Green & White	232-TX
4	Green	NC
5	Blue & White	NC
6	Blue	232-RX
7	Brown & White	NC
8	Brown	232-GND



Pin	Colour	Defenition
1		NC
2	Green & White	232-TX
3	Blue	232-RX
4		NC
5	Brown	232-GND
6		NC
7		NC
8		NC
9		NC

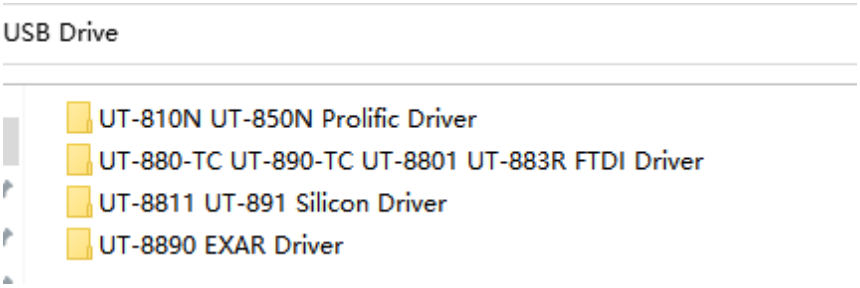
III RS232 communication box driver installation

1. Download RS232 communication box driver

Download reference address : http://www.sztek.com/down-810

USB Drive.rar

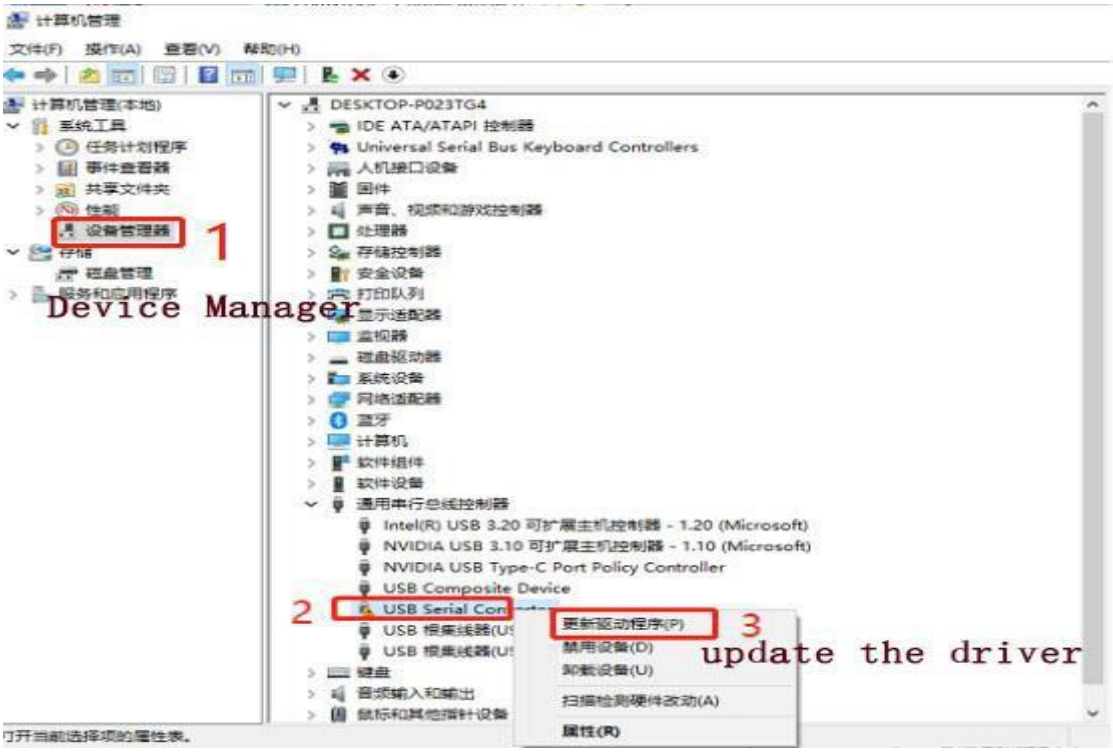
2. Unzip the driver package

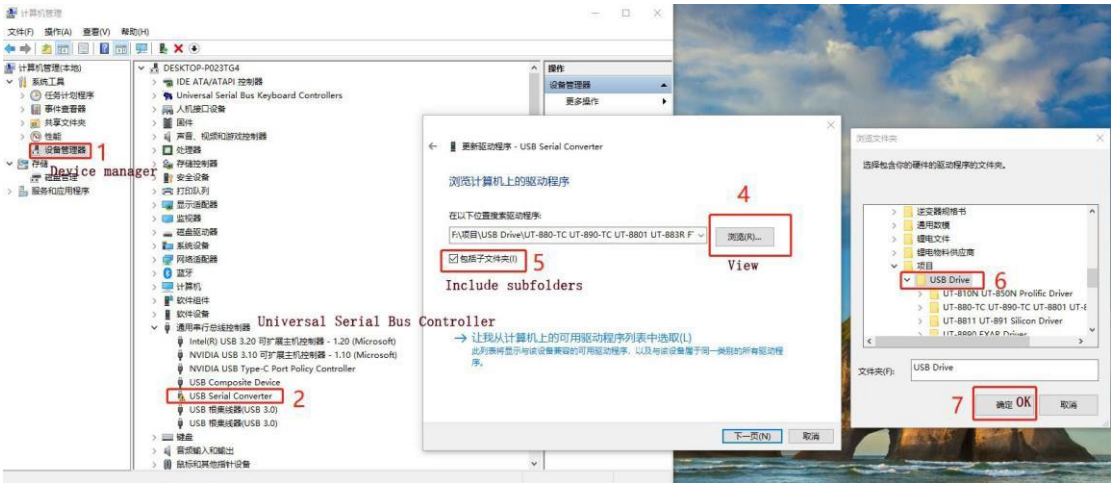


3. Insert the RS232 communication cable correctly into the USD port of the computer.

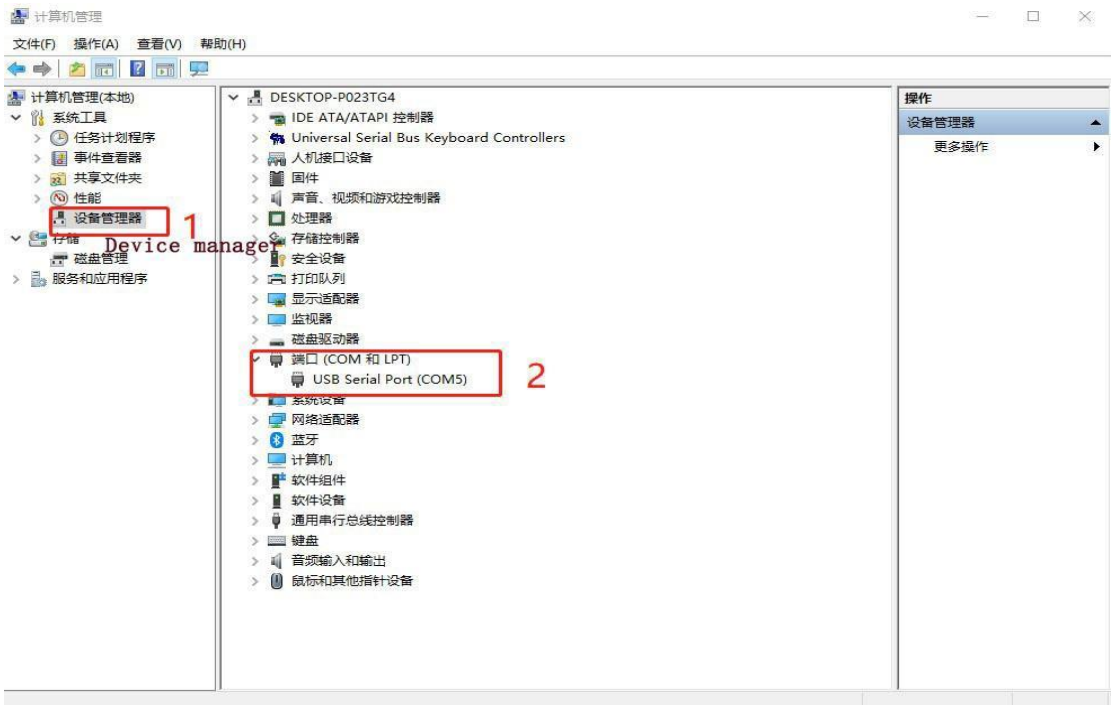
4. Enter **[My Computer],** find **[Universal Serial Bus Controller]** in **[Device Manager]** and locate the appropriate USB port with ⚠ . Then right click on the mouse, **update the driver**, and load the USB Drive driver package 

as the below pictures show :





5. Make sure that the USB 232 communication box driver is installed **OK** and that **[COM]** will appear in the port.

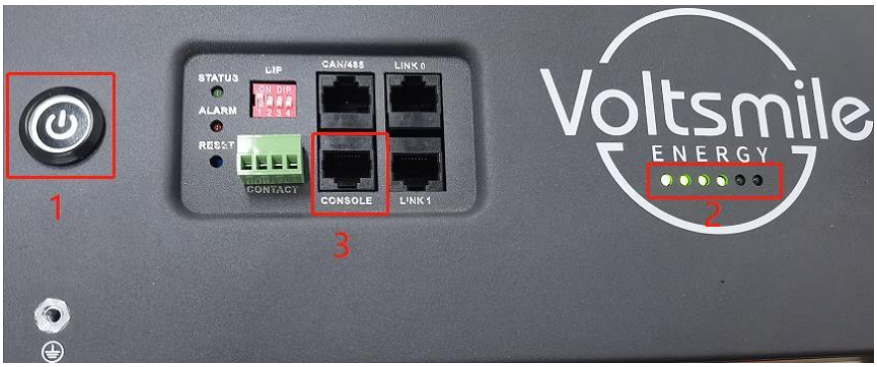


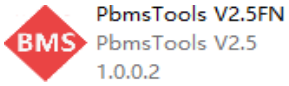
IV Connect with the software

Test whether the battery is normally powered on and not in hibernation status: insert the crystal head of the communication cable into the communication port of the protection board and the USB 232 communication box USB end into the computer, as shown in below pictures.

1. Turn on the switch **1** to check the battery level as the position marked **2.**

2. Insert the crystal head of the communication cable into the communication port of the protection board **3** and the USB 232 communication box USB end into the computer as **4** shows.



2. Open【**BmsTools HS2.0.2**】and double click to run the 

software.

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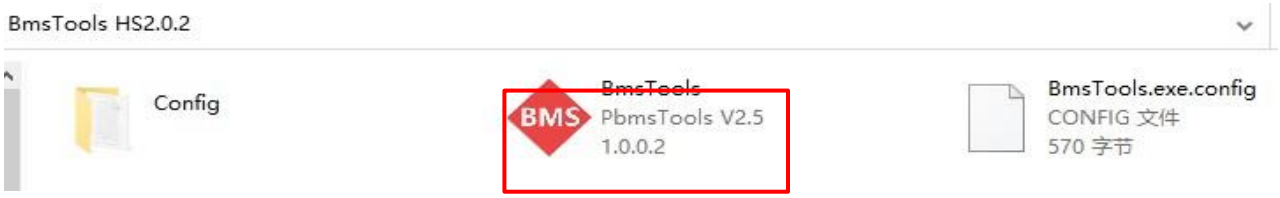
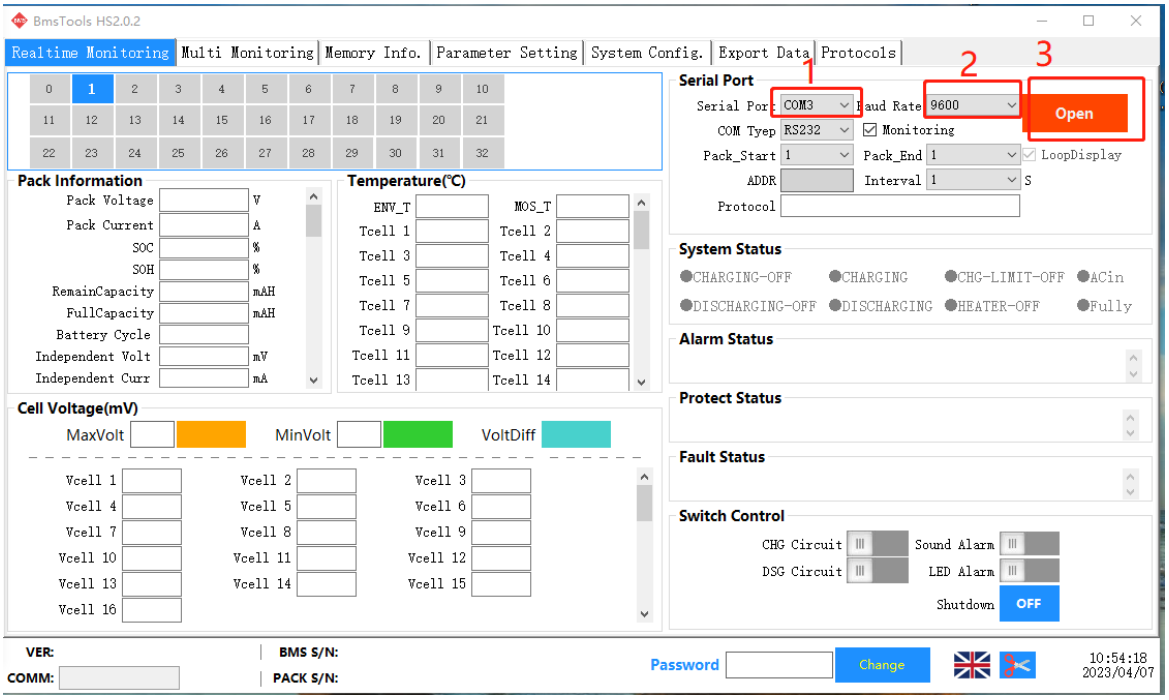


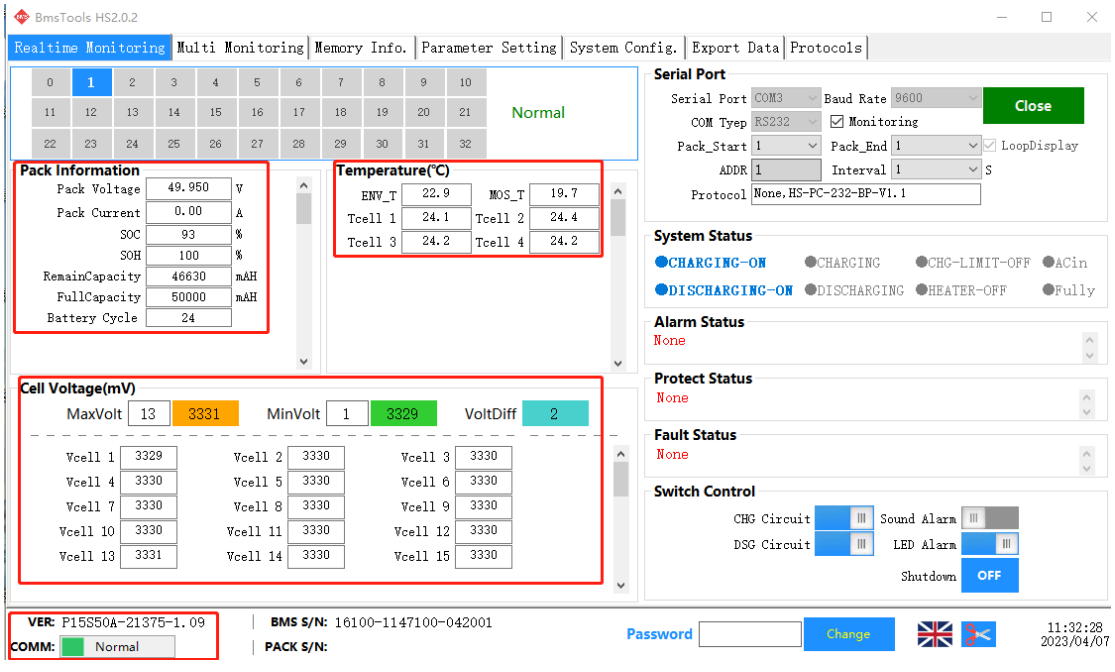
3.

(1) Select serial port in the software **1** and select baud rate 9600 **2**.

(2) Click the **"Try to connec**t" button to search for a serial port to connect. Or manually select the serial port and click on the **"Open"** button to connect **3** **.**

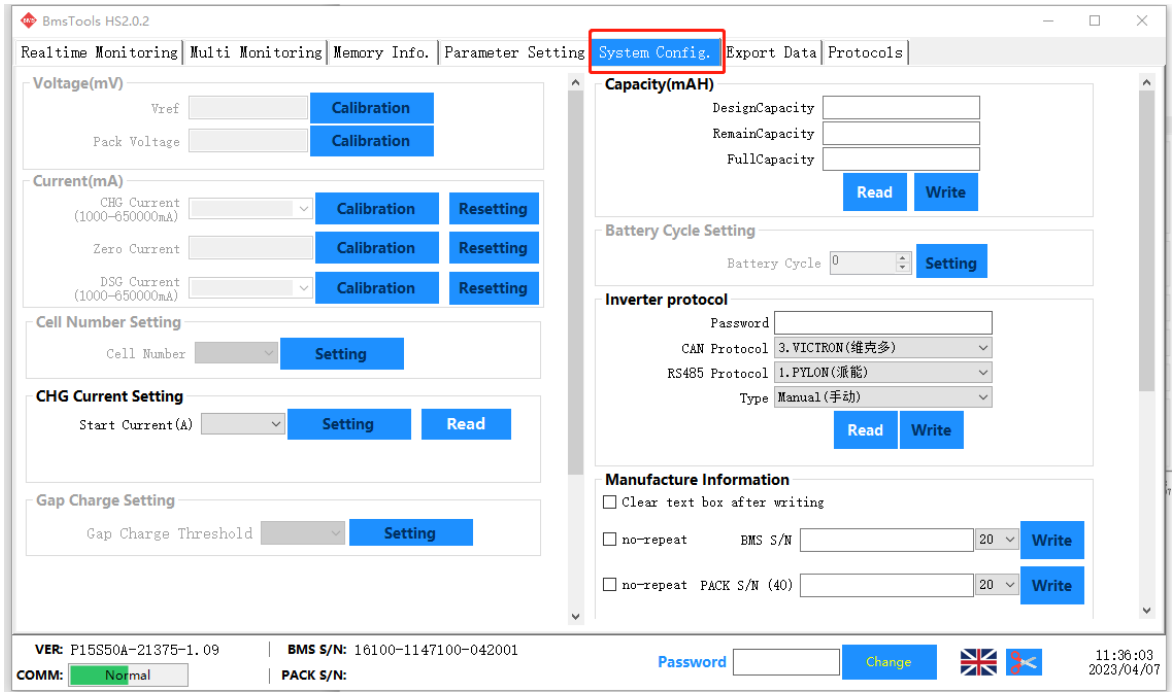


4. The software and connection interface shows as below

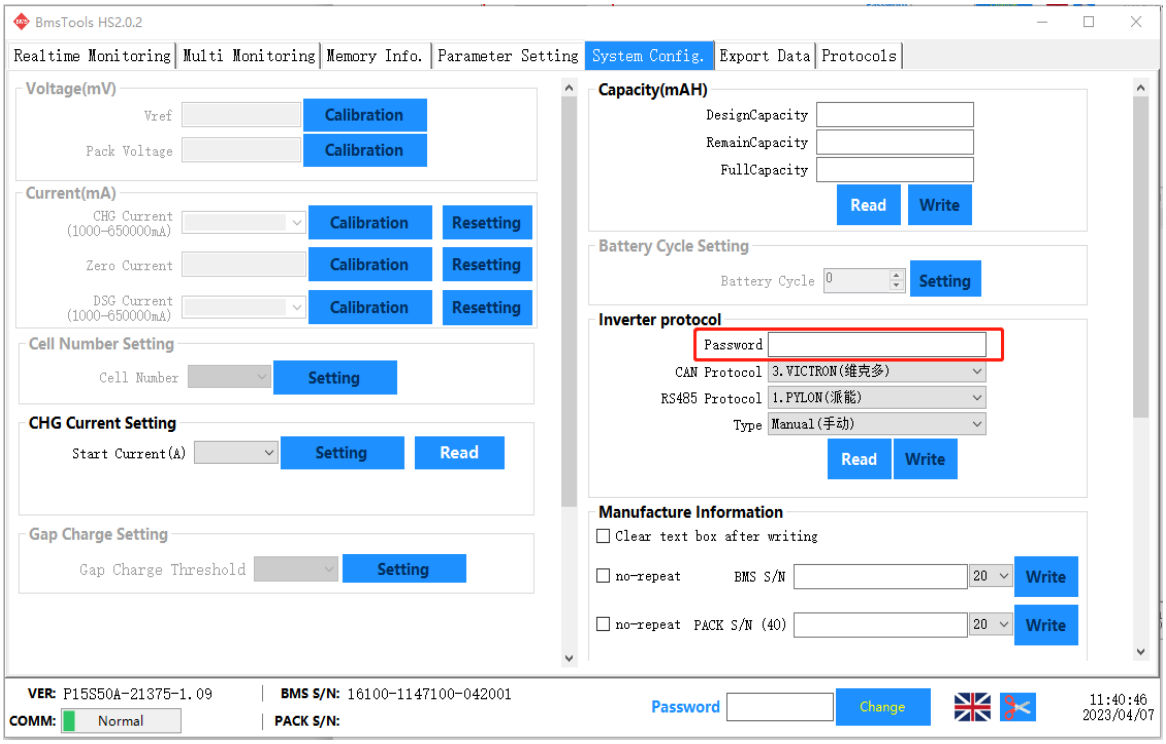


V. Change the protocols in the software

1. Find 



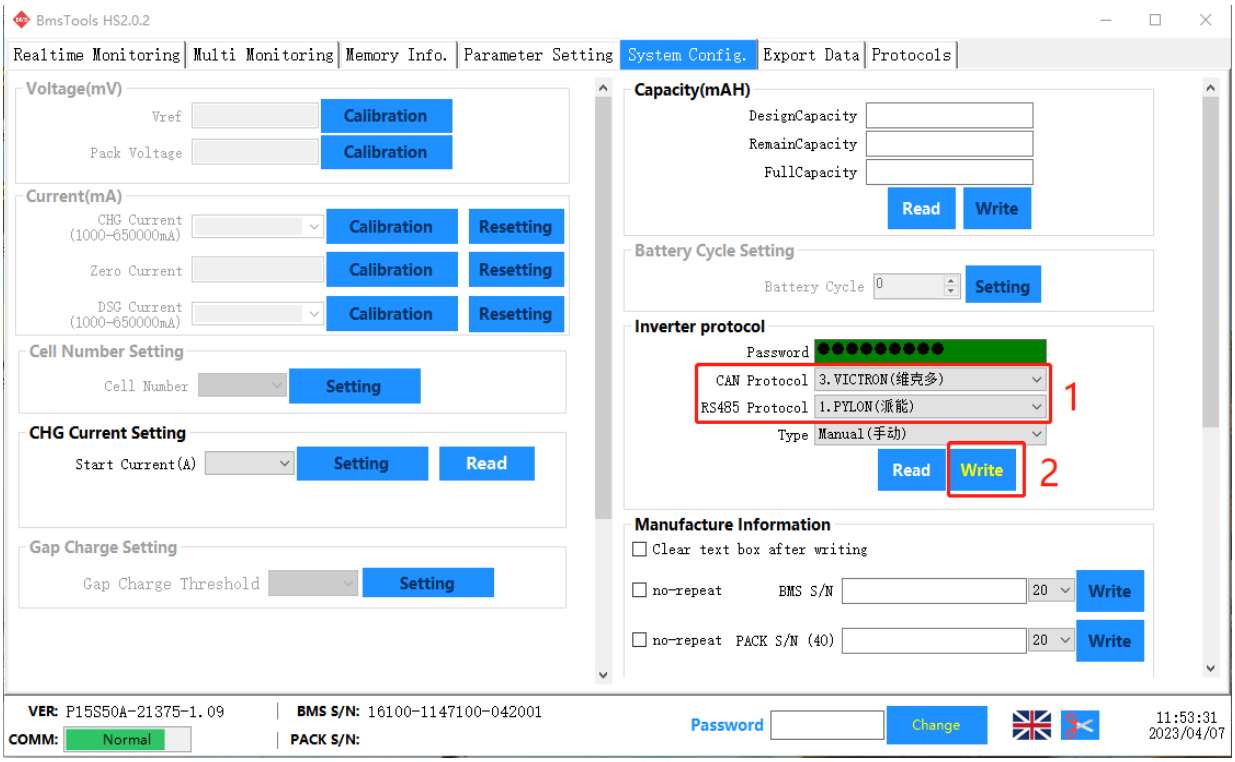
2. Enter the password : Pz#168178



3.

(1) Select the protocols under CAN/485 Protocol as the frame **1** shows.

(2) Click“Write” as frame **2**.



VI Solutions for connection failure

Possible reasons for failure :

1. Use the wrong software.

   Solution: change to the correct version software.

2. Defective or incorrectly wired communication cable.

solution：replace the communication cable with a good one or correct the incorrect wiring.

3. The computer USD port not recognized. solution：

   change the USD port.

4. No driver installed.

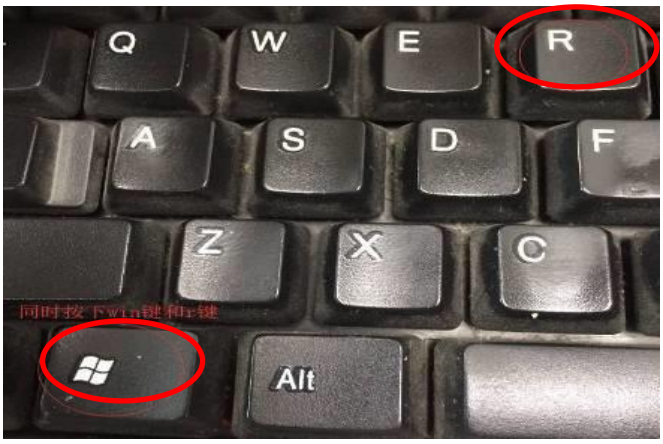
   solution：install a driver compatible with the communication line.

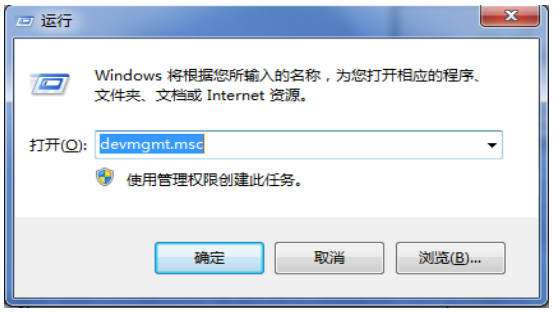
Methods to tell if the communication cable driver is installed Method 1

Check if there is a relevant COM port in the "Serial port" pull-down of the software, if not found, it is probably not installed.

Method 2

Press **win** and **R** at the same time to open the [**Run**] window, enter "**devmgmt.msc**" to open the [**Device Manager**].





Find [**Port**] in [**Device Manager**] and find the corresponding COM port. If you can find it as below pictures show, it means the driver has been installed, if not, it means the driver is not installed.