BMDM-S01 Software User's Guide

Hangzhou Huasu Jada Technology Co., Ltd

No.16, Xiyuan Wu Road, Xihu Tech-economy Zone, Hangzhou, China

TEL: 86-571-87967915 FAX:86-571-87968969

www.huasucn.com

Hangzhou Huasu Jada Technology Co., Ltd

No.16, Xiyuan Wu Road, Xihu Tech-economy Zone, Hangzhou, China

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1 Overview

BMDM-S01 is software of battery monitor data manager without a database and can be applied to H3G series products. The software is used to read data from the device, issued an order to modify the parameters, analyze data, and print and export functions.

Compared with other software of Huasu, BMDM-S01 has the following features:

- Usually used for group of not more than 100 strings, the software installation is simple and easy to maintain.
- Need to install software on each user terminal, supports up to three user terminals.
- Software without a database ,and all data directly read from the device.
- Usually used for the data center of the battery monitoring.

2 Software and Documentation

The followings should be prepared before installation.

NO.	Item
1	BMDM-S01 software package
2	"BMDM-S01 User's Guide" （this file）

3 Computer Requirements

3.1 Hardware Requirements

CPU： P4 or higher
Memory： 512M or higher
Hard disk： 100G or higher

3.2 Software Requirements

One of the following operating systems should have been installed in the computer:

Windows 2000、XP、VISTA or Windows 7

4 Installation of BMDM-S01

4.1 BMDM-S01 Software Package

BMDM-S01 software package includes an executable file of "BMDM-S01.exe" and the related data files.

4.2 Installation

By the following method to install the software：

1. Copy the package to the D drive or E under the root directory.
2. Enter the package directory, click "BMDM-S01.exe" file, click the right mouse button to create a desktop shortcut,.
3. The installation is completed.

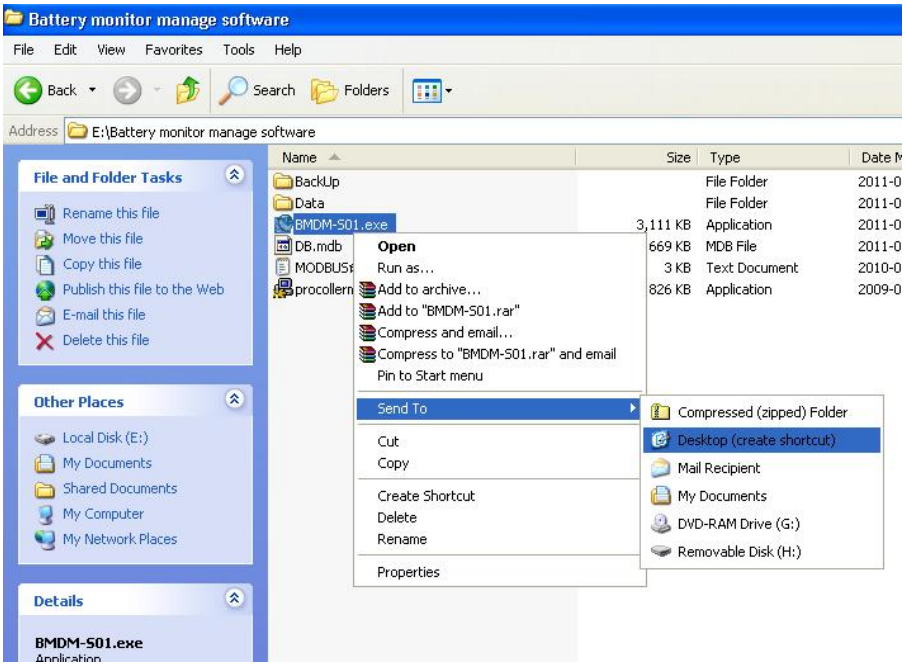

Figure 4-2-1

4.3 Connect the Compute

Using a RS485 cable or a RS232 cable or a RJ45 cable, connect the computer to the device. The details please see product manuals.

5 Use Software

5.1 Start the BMDM-S01

Click " BMDM-S01 " on the desktop, the **login** appears as the following.

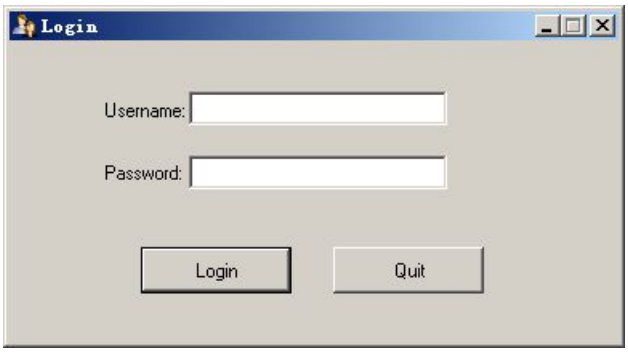

Figure 5-1-1

Enter the user and password specified, the default administrator user name and password are "admin".

5.2 Parameter Set

At first use or to add new strings, need to set parameters.

1. Click the button of **Parameter set** on the left up, the **Parameter set** appears as the following.

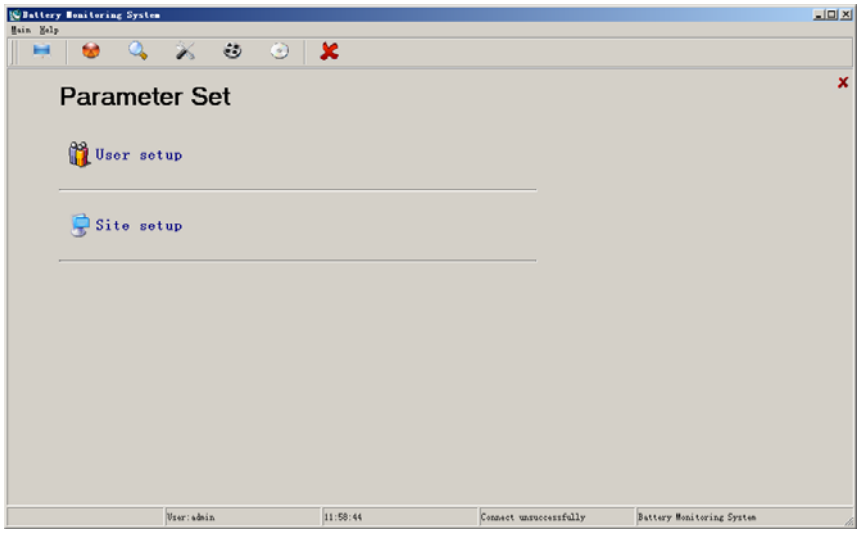

Figure 5-2-1

2. Click **Site setup**, the **Site setup** appears as the following.

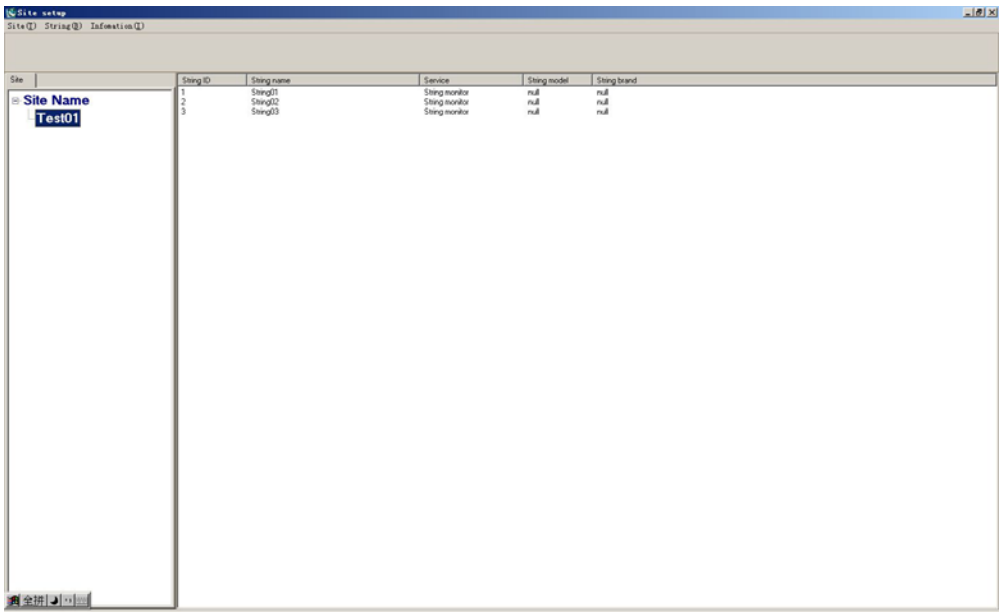

Figure 5-2-2

3. Click **site name** on the tree, then click the right mouse button and choose **Add site**.

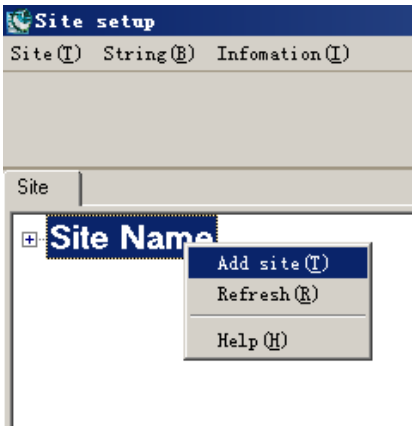

Figure 5-2-3

The Site appears as the following, and then enters names or numbers by the following.

Site ID - enter the ID of the site as 1 or 2 or other numbers. Site ID does not allow repeat.

Site name - enter the name of the site.

Choose Comm or UDP - choose Comm if connecting the computer to the device by Serial port, and choose UDP by NET port.

Comm name - choose the port used to connect the device.

BPS: - choose 19200.

IP Address - enter the device's IP.

Port - enter 4001 or 4002 or 4003 according to the device setup.

Control module address - the default is 1.

Click Modify after finished, and a new site created.

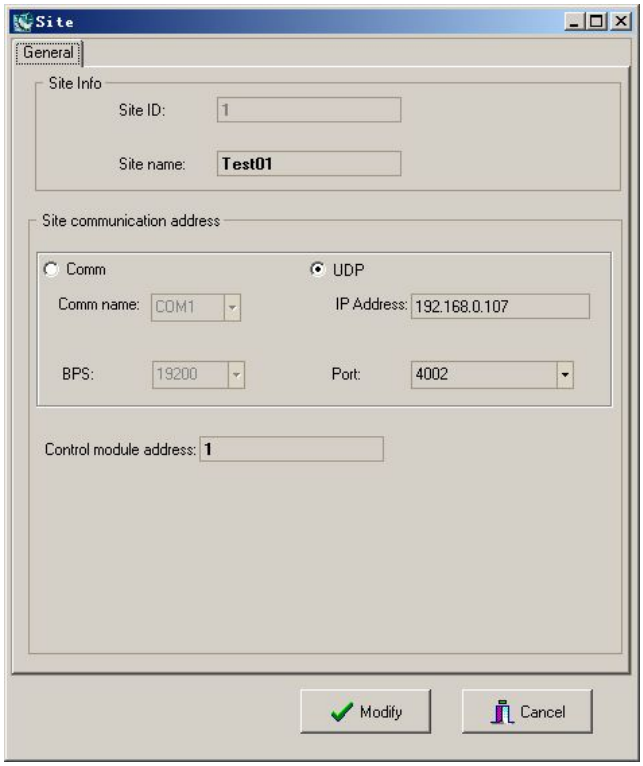

Figure 5-2-4

Click the new site name and move cursor to right side, and click the right mouse button to choose **Add string**.

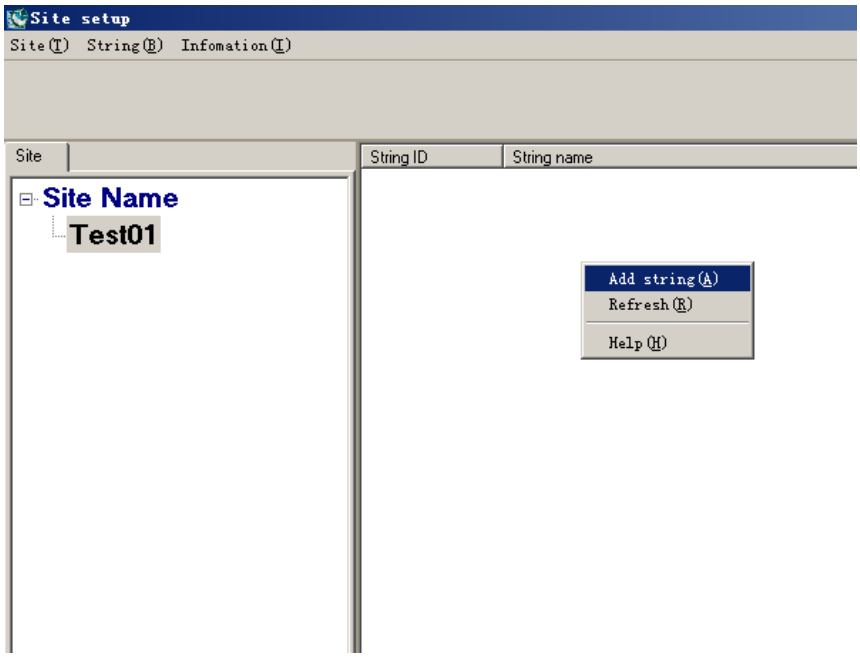

Figure 5-2-5

The **String** appears as the following, and then enters names or numbers by the following.

String ID - enter the ID of the string, and the ID usually begins form 1.

String name - enter the name of the string.

Cell brand - enter the name of cell manufacturer

Cell model - enter the model of the cells

Cell use date - enter the date of cell put into operation

Qty - enter cell number of the string

Intercell resistance Qty - enter the number of intercell which set to be monitored. If the device don't monitor intercell the Qty should be enter 0.

Cell temperature Qty - enter the number of cell temperature which set to be monitored. If the device don't test it the Qty should be enter 0.

Rated capacity - enter the rated capacity of the cell.

Remark - anything else concerning the string may be entered.

Click **Modify** after finished, and a new string created.

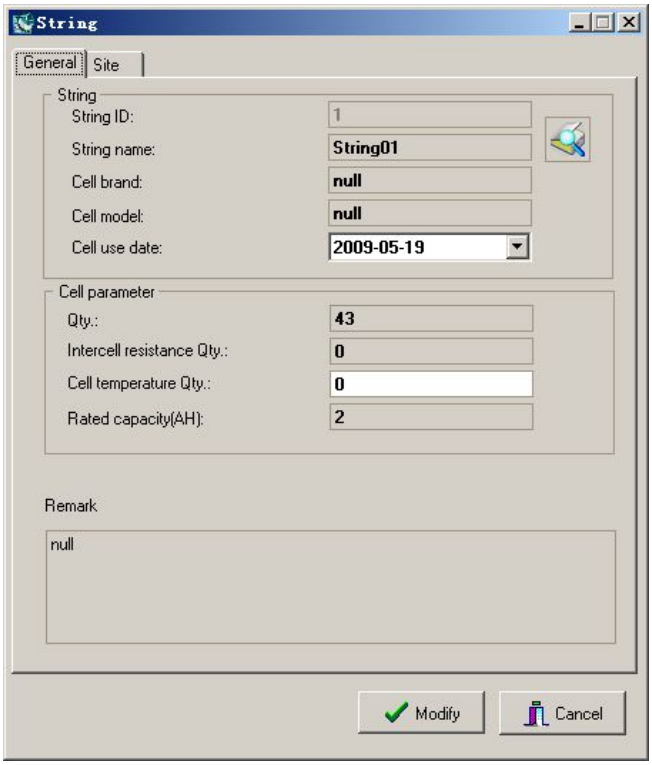

Figure 5-2-6

5.3 View Real-time Data

After finished Parameter set, Click the button of **String status** on the left up, the **String status** appears as the following.

The string status screen displays the strings last known status. A blue lamp means the measurement item is normal, and It will become a red lamp when alarm. This string status will be refreshed in about 30 seconds automatically.

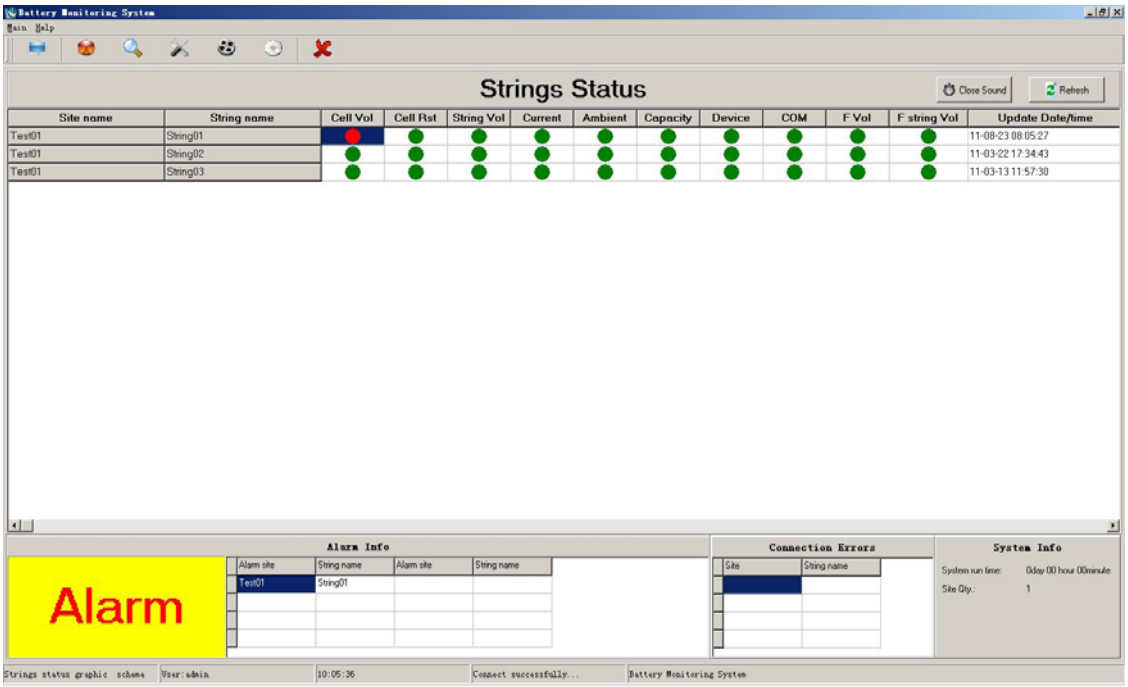

Figure 5-3-1

Click the string name, the real-time data of this string appears. The data can be displayed as graph or histograms .the data also can be exported or printed.

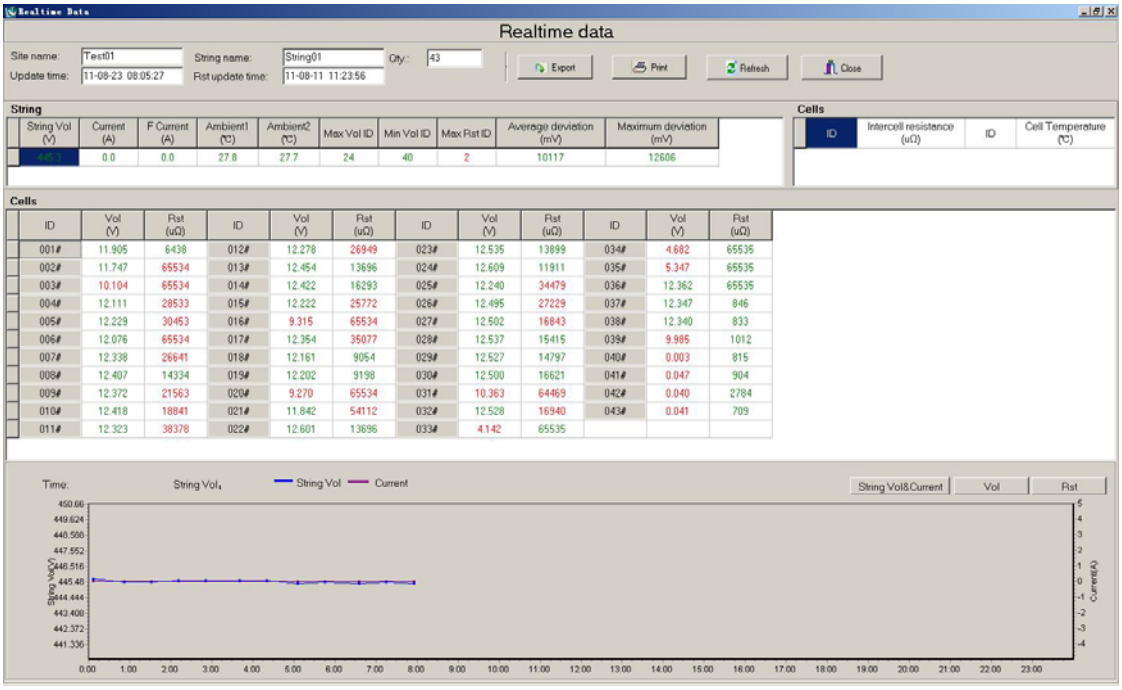

Figure 5-3-2

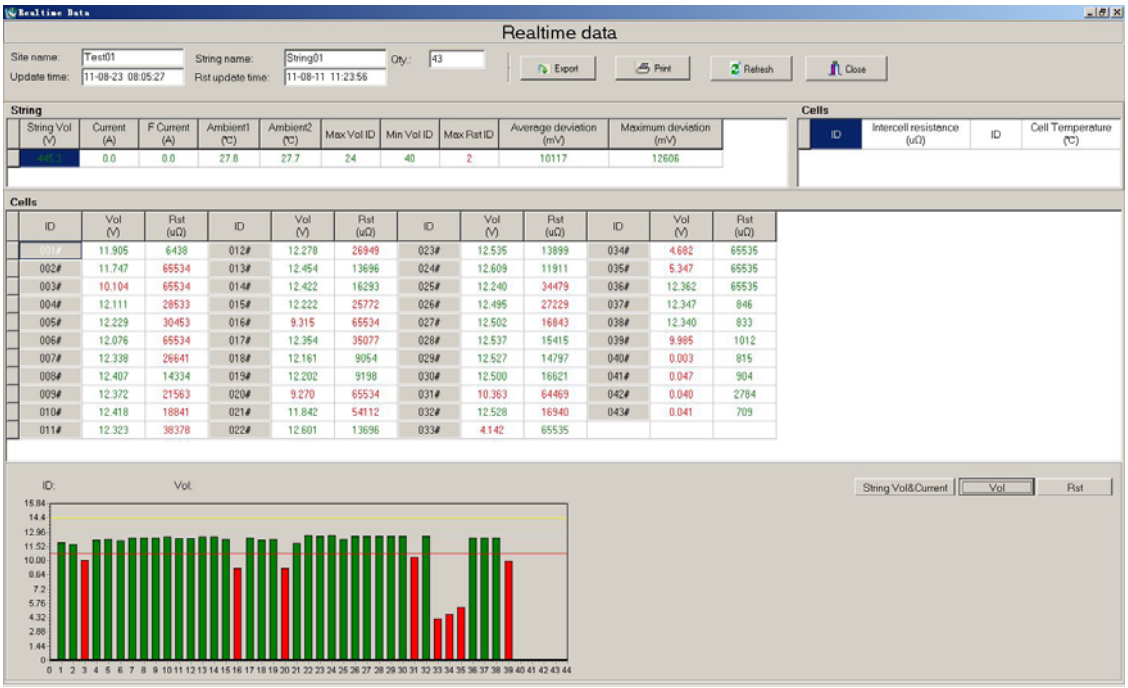

Figure5-3-3

5.4 View History Data

Click the button of **history data** on the left up, the **history data** appears as the following.

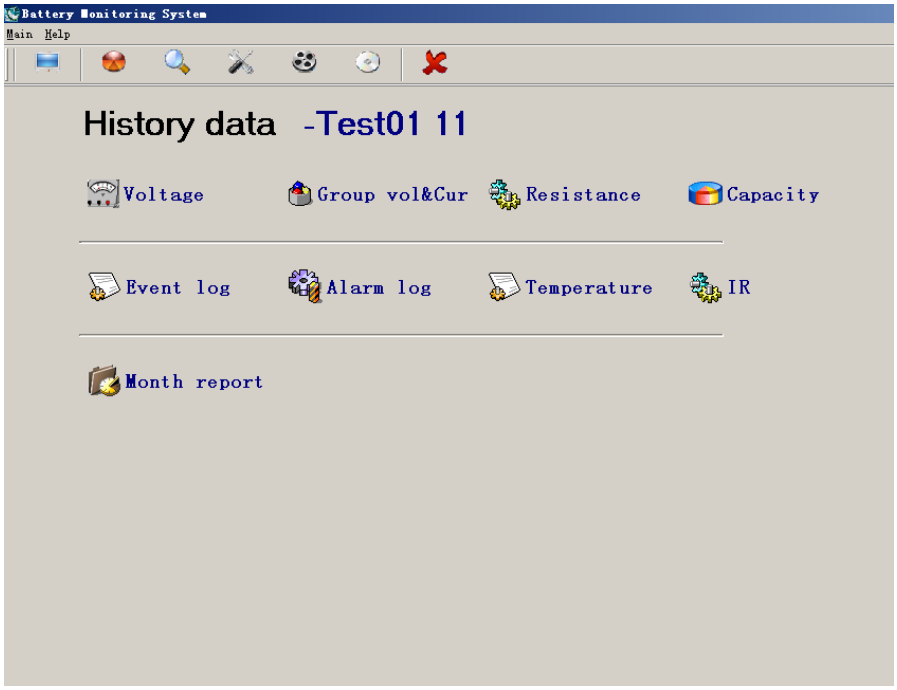

Figure 5-4-1

Click the items, the details will be appeared.

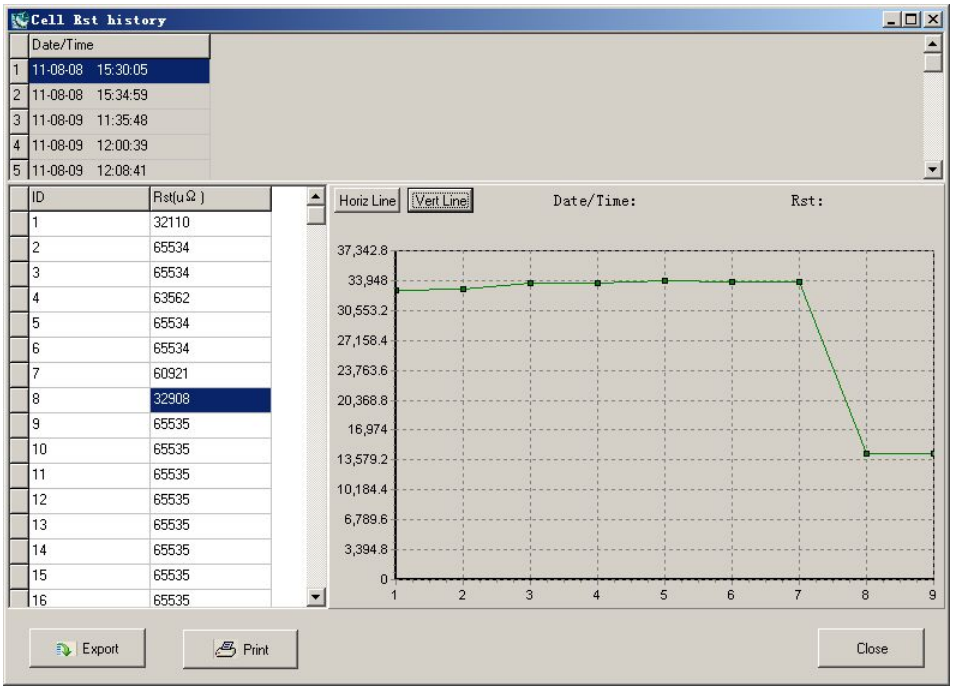

Figure 5-4-2

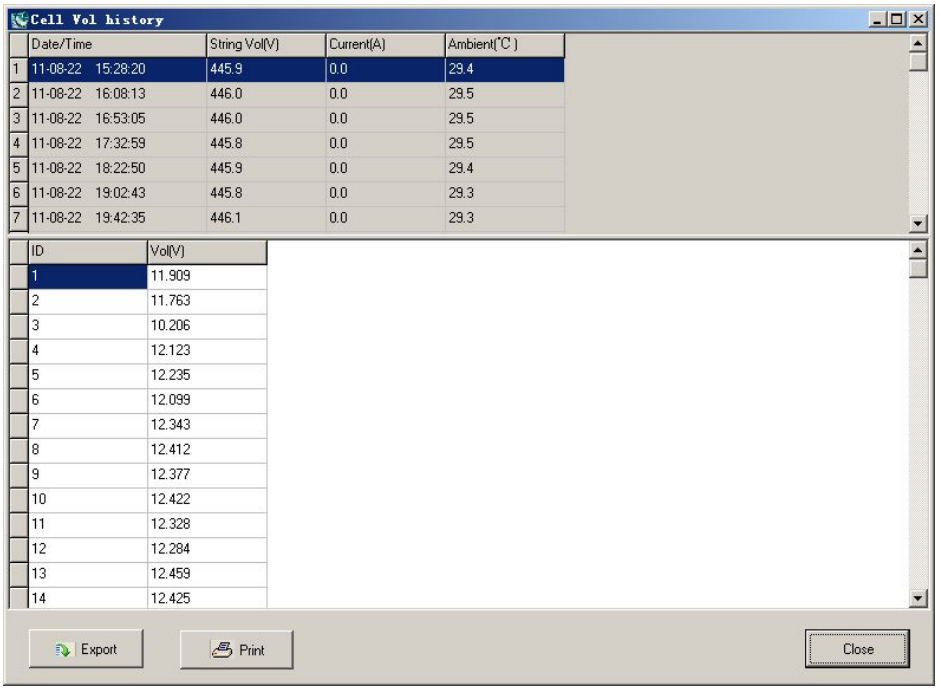

Figure 5-4-3

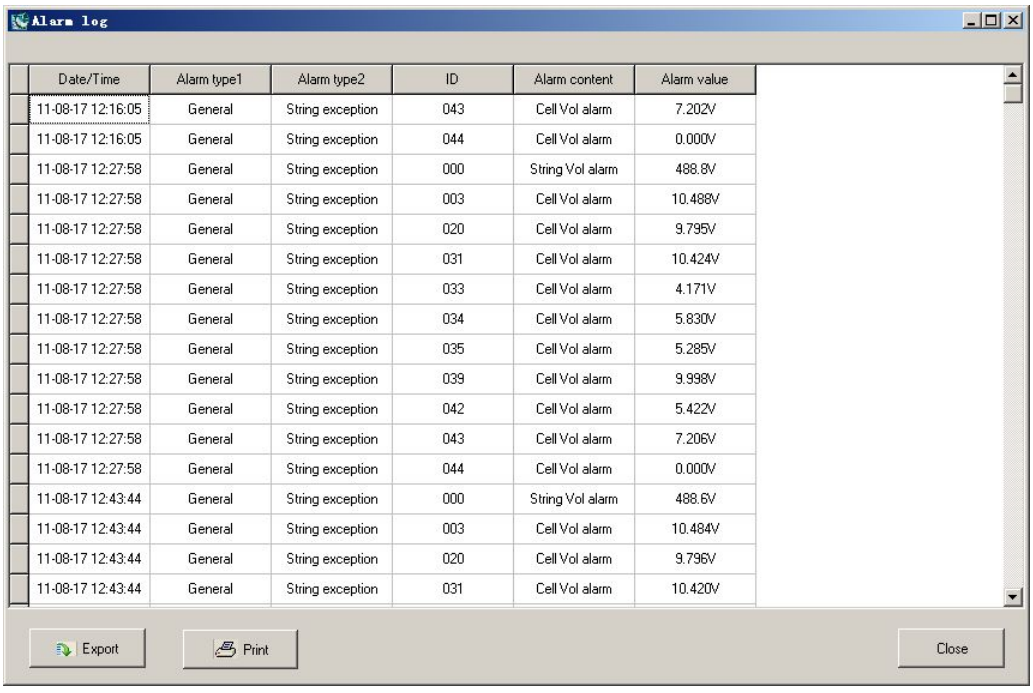

Figure 5-4-4

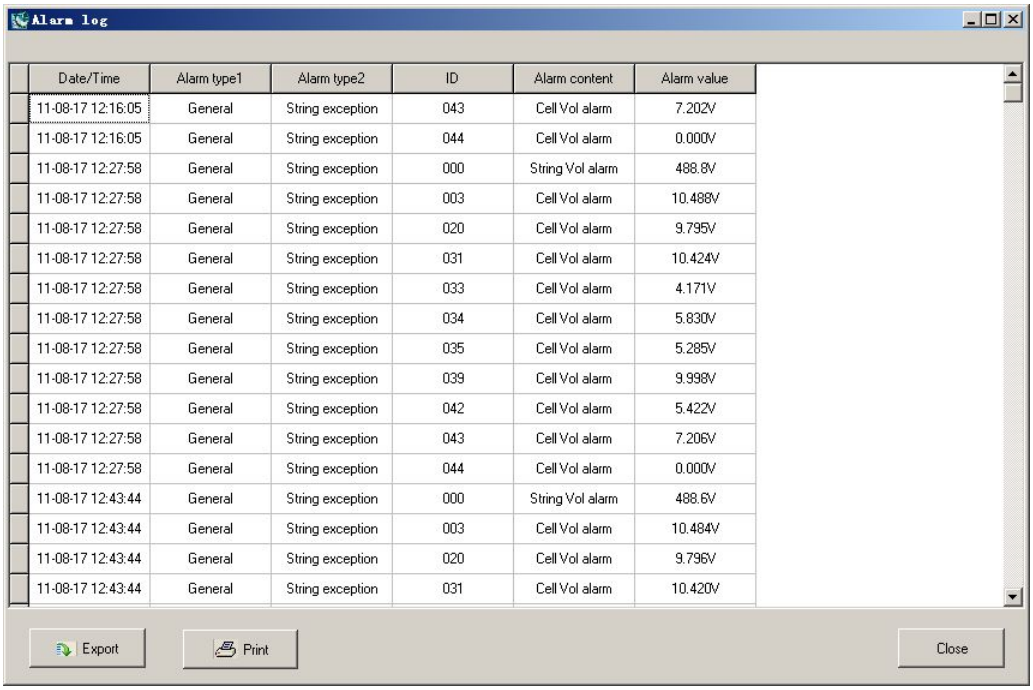

Figure 5-4-5

5.5 Cell Resistance Test

The resistance test will be performed once a month automatically. If a manual test needed, Click the button of **string test** on the left up, the **string test** appears as the following.

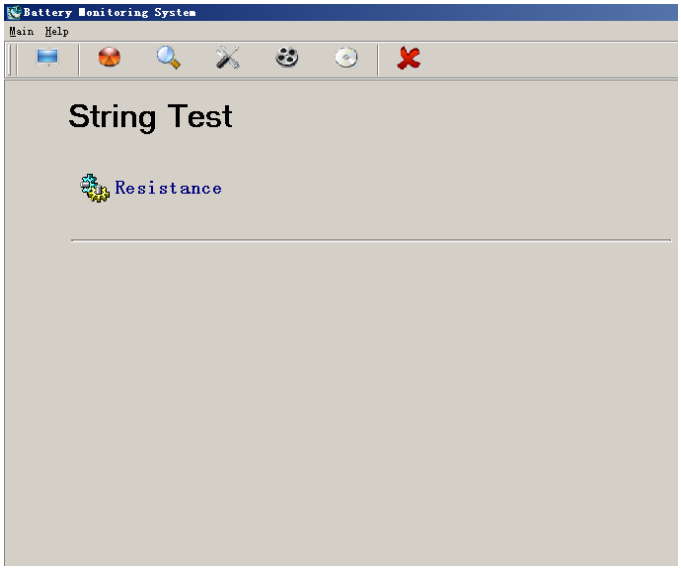

Figure 5-5-1

Click **Resistance**, the resistance test will be performed. It takes about 10 minutes to finish a whole resistance test for a string. After completed the test, the latest cell resistance data can be read in the real-time data page.

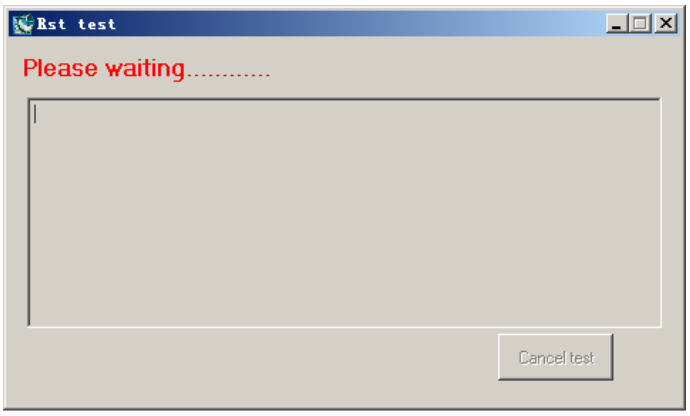

Figure 5-5-2

6 Trouble Shooting