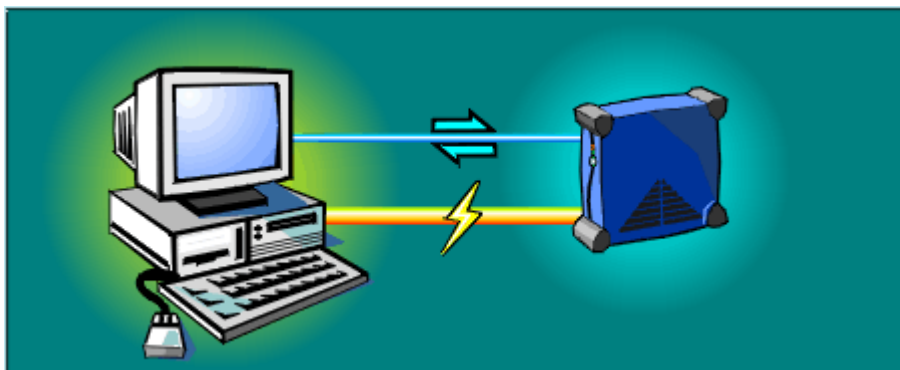


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1 System summarize

Muser4000 is software for cooperating with PC and UPS. Its major function is as following:



- l Manage the communication connection with UPS.
- l Monitor all current data from UPS.
- l Display UPS work state with figure.

- | Setting UPS parameter.
- | Log all events and alarm information.
- | Log timed current data from UPS.

2 System circumstances requirements

RS-232 communication port: COM1-COM4

Operating system:

- | Microsoft Windows 98
- | Microsoft Windows 2000
- | Microsoft Windows NT
- | Microsoft Windows Me
- | Microsoft Windows XP
- | Microsoft Windows 7
- | Microsoft Windows 10

3 Hardware installation

Muser4000 hardware installation steps

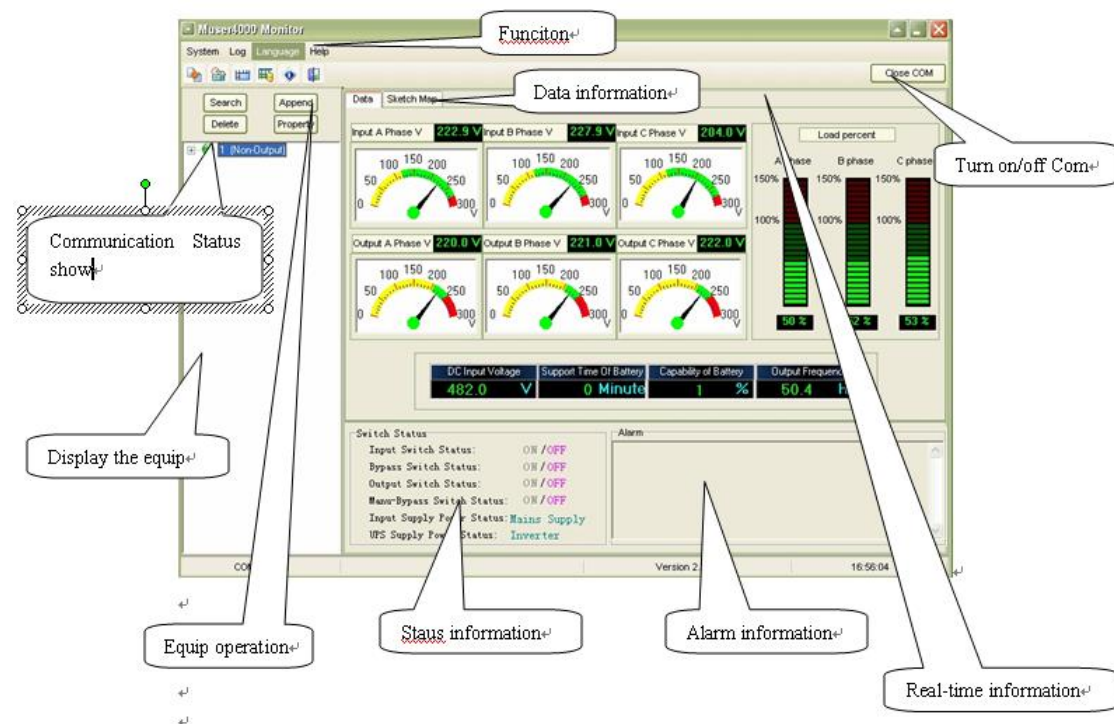
- | Connect UPS and PC with serial port cable.
- | Male serial port connects to the RS232 communication port of UPS.
- | Female serial port connects to the RS232 communication port of PC.

4 Software installation

- | Put UPS CD into CD-ROM.
- | Run setup.exe program, and default the program will be installed into "C:\ Program Files\Muser4000".
- | When UPS install done, user can run this program.

5 Operation

5.1 Software main figure:



Turn on/off Com: Indicator on express the corresponding serial port is open, indicator off express the corresponding UPS is close.

Communication Status show: Red light means communication error, Green light means communication OK.

Equip operation: Click append/delete/search/property button to manage the equipment.

Real-time information: Display the real-time information of main monitor UPS.

Data information: Display the real-time data information of main monitor UPS.

Status information: Display the real-time status information of main monitor UPS.

Alarm information: Display the real-time alarm information of main monitor UPS.

5.2 Software Parameter Setting

HIP3300

The musen4000 Software Version 2.3.2.28

●choose “System”



●choose: “Software Parameter Setting”



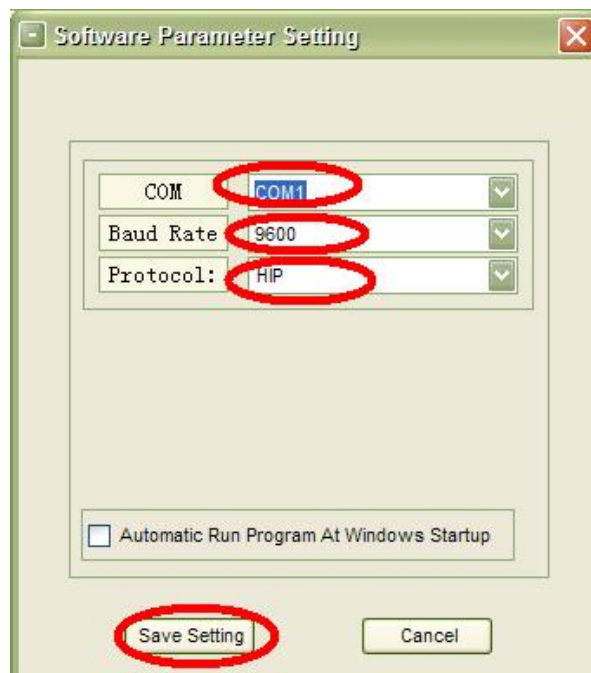
● “System”

COM: Select PC COM.

Baud Rate: Select PC Baud Rate.

Protocol: Select Protocol.

COM Port must be the same design as PC port, Baud Rate use “**2400or9600**”, Protocol use “**HIP**” and then “Save Setting”



● add UPS

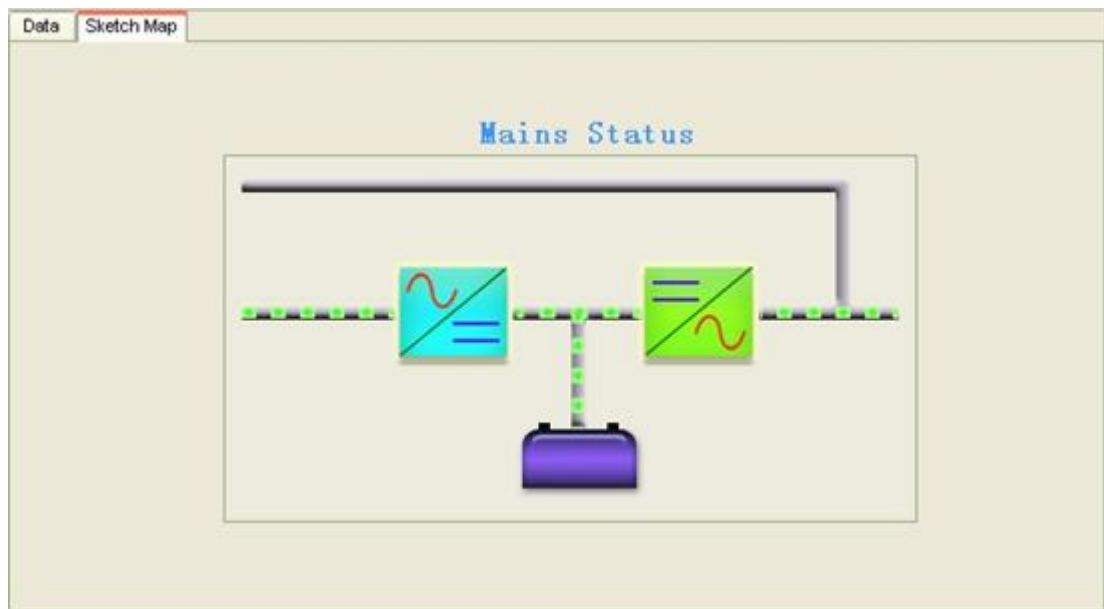
As shown in the following figure: (Each frame should refer to the steps mentioned above in order to add UPS, with different parameters.

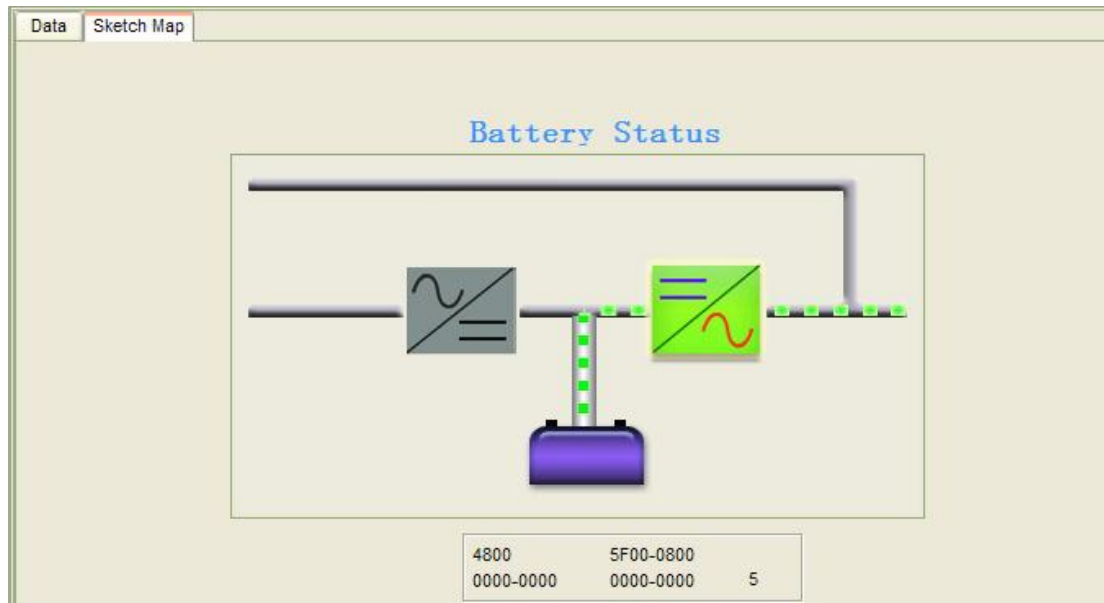
Click Append, type any name or number at “ Equipment Name” menu, however the Equipment Address should be the same as frame ID number, then click Append.





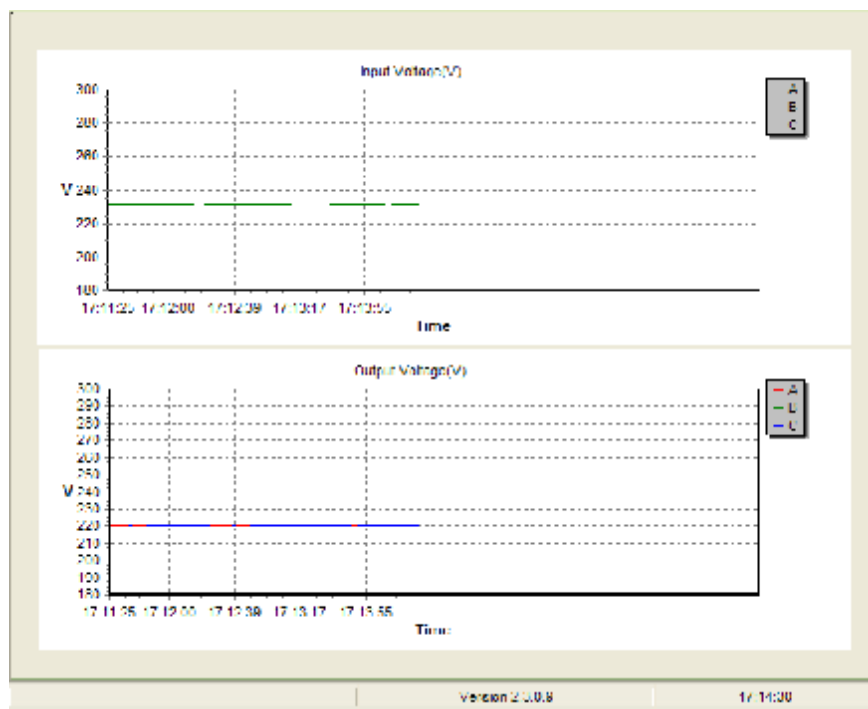
5.3.2 Sketch Map





This figure displays the running status of monitor UPS.

5.3.3 Graph



This figure displays the input and output Volt of monitor UPS with curve..

5.4 UPS rating parameter query and setting

YDC3300 User setting



The screenshot shows the User Set configuration window. The 'Set' button is circled in red. The window contains various configuration fields for Work Mode, System Voltage, System Frequency, Parallel Amount, Parallel Redundancy, Bypass Frequency Range, Bypass Volt, Invert-Volt adjustment, Parallel ID, Battery Number, Single Battery Capability, Battery Group, Boost upper limit, Float base Volt, EOD Volt, Boost Last Time, Max Charge current, and Boost Charge.

Work Mode	Bypass Frequency Range	Buzzer
Normal	10%	enable

System Voltage Level(V)	Bypass Volt Upper Limit
380	20%

System Frequency Level(Hz)	Bypass Volt lower Limit
50	45%

Parallel Amount	Invert-Volt adjustment
2	0.0%

Parallel Redundancy	Parallel ID
0	1

Battery Set

Battery Number	Boost Last Time(min)
16	60

Single Battery Capability(AH)	Max Charge current(A)
65	10

Battery Group	Boost Charge
1	enable

Boost upper limit Volt.(V/Cell)
2.30

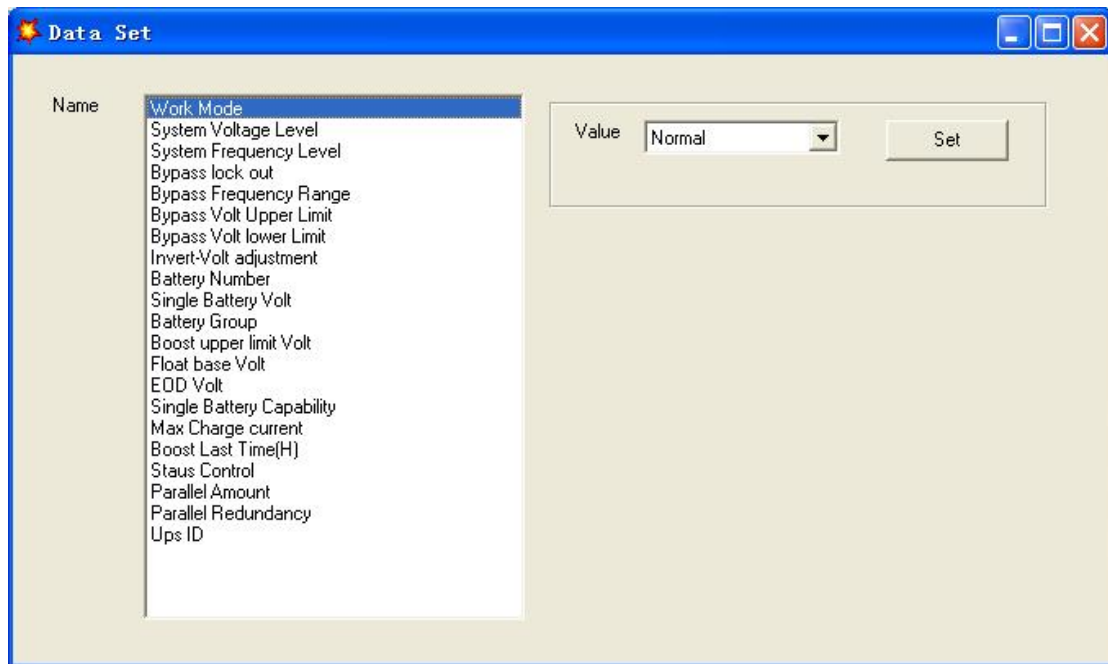
Float base Volt.(V/Cell)
2.25

EOD Volt(V/Cell)
1.79

This figure displays the forms for browsing.



Click“ok”



This figure displays the forms for setting

If user wants to check total data or all UPS, then user has to click “Data Set”.

When users want to set the Parallel, users have to choose “Parallel Amount “ and put value number and click “Set”, or choose Parallel Redundancy on “Name” menu, and click “Set” to retrieve the data.

5.5 Event Log



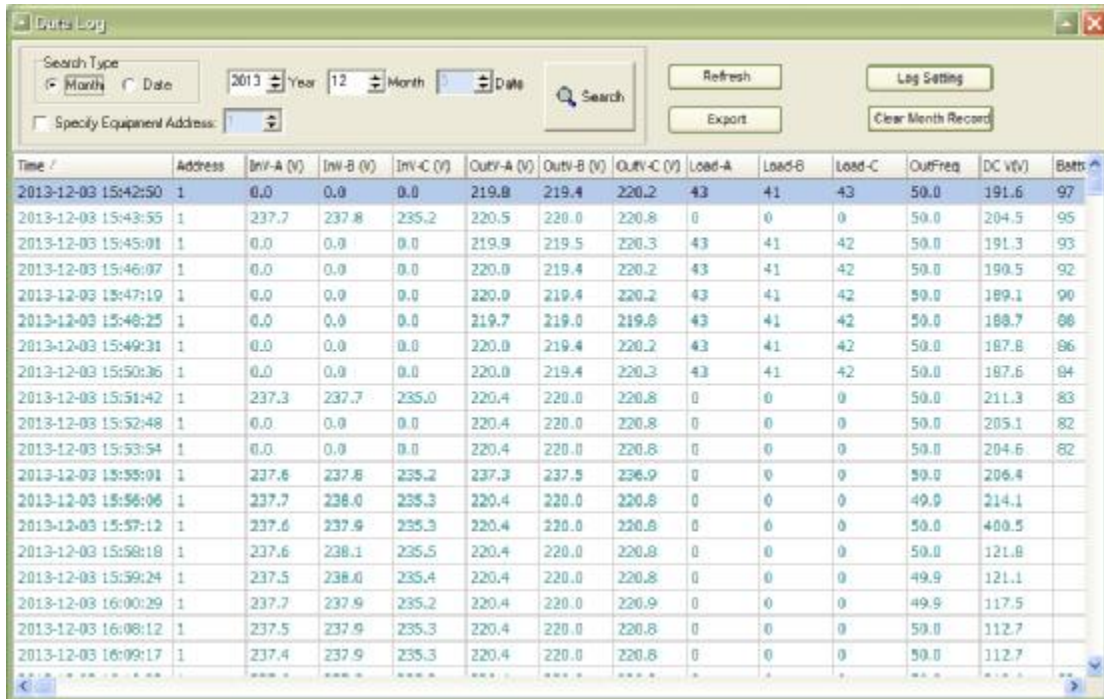
This display check the Event Log

The screenshot shows the Event Log window in the MinuteMan Monitor software. It displays a table of events with columns for Index, Time, Address, and Event. The table lists various system events such as 'Recover from: No battery', 'No battery', 'Recover from: Cable connection error', and 'Low battery alarm'.

Index /	Time	Address	Event
1	2013-12-03 16:14:47	1	Recover from: No battery
2	2013-12-03 16:11:16	1	No battery
3	2013-12-03 16:09:56	1	Recover from: No battery
4	2013-12-03 15:58:32	1	Recover from: Cable connection error
5	2013-12-03 15:58:32	1	Recover from: CAN comm. Fault
6	2013-12-03 15:58:25	1	Cable connection error
7	2013-12-03 15:58:25	1	CAN comm. Fault
8	2013-12-03 15:57:26	1	Recover from: Battery under voltage
9	2013-12-03 15:57:26	1	No battery
10	2013-12-03 15:55:16	1	Online
11	2013-12-03 15:54:41	1	Bypass Status
12	2013-12-03 15:54:16	1	Battery under voltage
13	2013-12-03 15:54:16	1	Standby Status
14	2013-12-03 15:54:03	1	Recover from: Low battery alarm
15	2013-12-03 15:53:49	1	Low battery alarm
16	2013-12-03 15:51:54	1	Battery Status
17	2013-12-03 15:51:08	1	Online
18	2013-12-03 15:50:46	1	Recover from: Low battery alarm
19	2013-12-03 15:48:18	1	Low battery alarm

This figure displays the event information of main monitor UPS. User can search the EventLog with the condition of year, month, date or address of equip. Users also can export all events with *xls format.

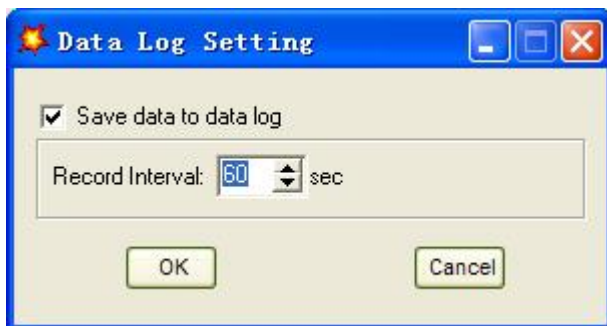
5.6 DataLog



Time	Address	InV-A (V)	InV-B (V)	InV-C (V)	OutV-A (V)	OutV-B (V)	OutV-C (V)	Load-A	Load-B	Load-C	OutFreq	DC v(V)	Batt
2013-12-03 15:42:50	1	0.0	0.0	0.0	219.8	219.4	220.2	43	41	43	50.0	191.6	97
2013-12-03 15:43:55	1	237.7	237.8	235.2	220.5	220.0	220.8	0	0	0	50.0	204.5	95
2013-12-03 15:45:01	1	0.0	0.0	0.0	219.9	219.5	220.3	43	41	42	50.0	191.3	93
2013-12-03 15:46:07	1	0.0	0.0	0.0	220.0	219.4	220.2	43	41	42	50.0	190.5	92
2013-12-03 15:47:19	1	0.0	0.0	0.0	220.0	219.4	220.2	43	41	42	50.0	189.1	90
2013-12-03 15:48:25	1	0.0	0.0	0.0	219.7	219.0	219.6	43	41	42	50.0	188.7	88
2013-12-03 15:49:31	1	0.0	0.0	0.0	220.0	219.4	220.2	43	41	42	50.0	187.8	86
2013-12-03 15:50:36	1	0.0	0.0	0.0	220.0	219.4	220.3	43	41	42	50.0	187.6	84
2013-12-03 15:51:42	1	237.3	237.7	235.0	220.4	220.0	220.8	0	0	0	50.0	211.3	83
2013-12-03 15:52:48	1	0.0	0.0	0.0	220.4	220.0	220.8	0	0	0	50.0	205.1	82
2013-12-03 15:53:54	1	0.0	0.0	0.0	220.4	220.0	220.8	0	0	0	50.0	204.6	82
2013-12-03 15:55:01	1	237.6	237.8	235.2	237.3	237.5	236.9	0	0	0	50.0	206.4	
2013-12-03 15:56:06	1	237.7	238.0	235.3	220.4	220.0	220.8	0	0	0	49.9	214.1	
2013-12-03 15:57:12	1	237.6	237.9	235.3	220.4	220.0	220.8	0	0	0	50.0	400.5	
2013-12-03 15:58:18	1	237.6	238.1	235.5	220.4	220.0	220.8	0	0	0	50.0	121.8	
2013-12-03 15:59:24	1	237.5	238.0	235.4	220.4	220.0	220.8	0	0	0	49.9	121.1	
2013-12-03 16:00:29	1	237.7	237.9	235.2	220.4	220.0	220.9	0	0	0	49.9	117.5	
2013-12-03 16:08:12	1	237.5	237.9	235.3	220.4	220.0	220.8	0	0	0	50.0	112.7	
2013-12-03 16:09:17	1	237.4	237.9	235.3	220.4	220.0	220.8	0	0	0	50.0	112.7	

This figure displays the current data information of main monitor UPS. User can search the DataLog with the condition of year, month, date or address of equip. Users also can export all events with *xls format.

5.7 DataLog Set



Data Log Setting

☒ Save data to data log

Record Interval: 60 sec

OK Cancel

User can set time to log the data information of main monitor UPS.

5.8 Equip Operation

5.8.1 Search

Search Equipment

Search Equipment on RS485 network:

Searching Type
☐ default ☐ user-defined

Range of Searched Address
From 1 To 254

Search

Addresses that have been searched:

Addresses that will be Appended:

Equip Addr	Equip Name
------------	------------

Addresses that system had existed:

1

----->
----->>

☐ Let equipment name the same as its address

Clear List Append To System

User can set the searching range. User will search the online equipment after clicking the search button and append the equipment to the system had existed area.

5.8.2 Append



User can append the equip

5.8.3 Property



User can set the name of equip only.

5.8.4 Delete Control Language and Help



User can delete the selection in the area of Equip.

Ups inverter remote control (On, Off), Language has Chinese and English version.



The following are some user friendly optional operation shortcuts icon!

