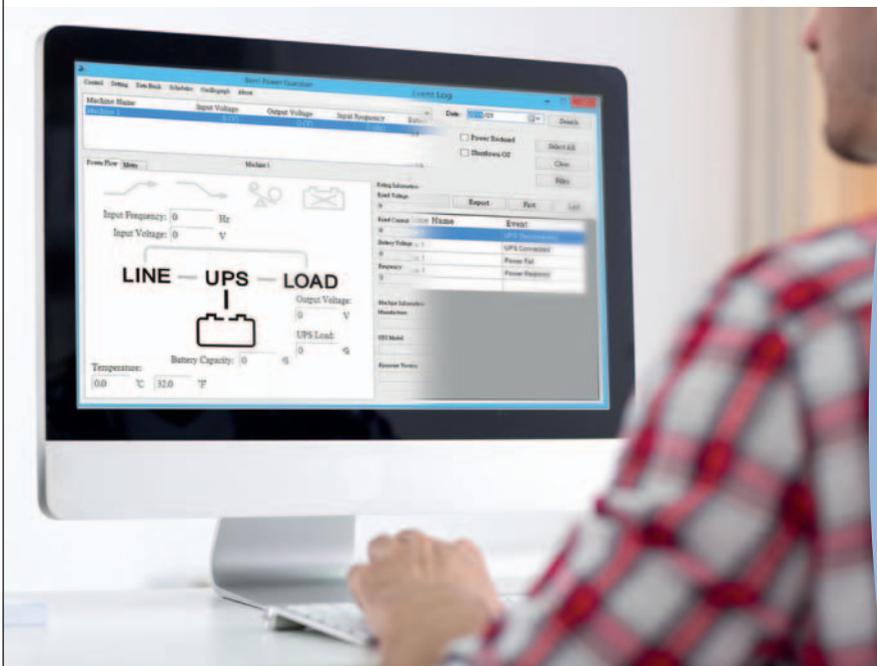


# **BORRI**® UPS Monitoring Software

## User manual **Borri Power Guardian**



For  
Mac OS X v10.10 Yosemite  
Mac OS X v10.9 Mavericks  
Mac OS X v10.8 Mountain Lion  
Mac OS X v10.7 Lion  
Mac OS X v10.6 Snow Leopard  
Mac OS X v10.5 Leopard



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## 1. Installation & Settings

### 1.1 Note

→ Operating System (OS):

- Mac OS X v10.5 Leopard
- Mac OS X v10.5 Leopard
- Mac OS X v10.6 Snow Leopard
- Mac OS X v10.7 Lion
- Mac OS X v10.8 Mountain Lion
- Mac OS X v10.9 Mavericks
- Mac OS X v10.10 Yosemite

→ Communication Port: USB Connector

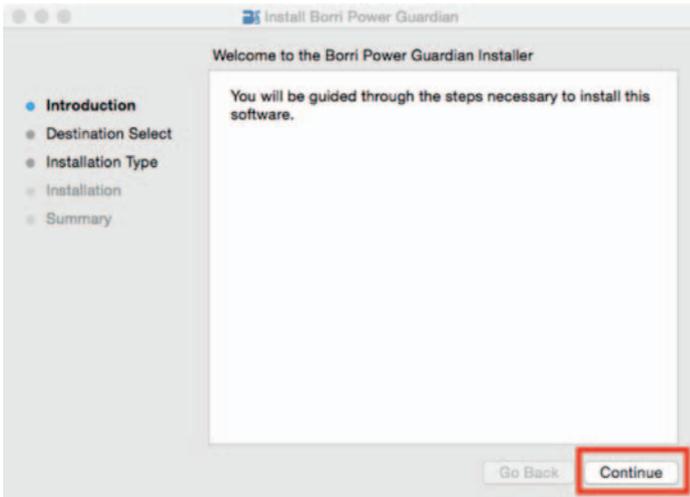
### 1.2 Installation Instructions

1.2.1 Switch on the UPS. Connect the UPS comm. Port to the Computer USB port.

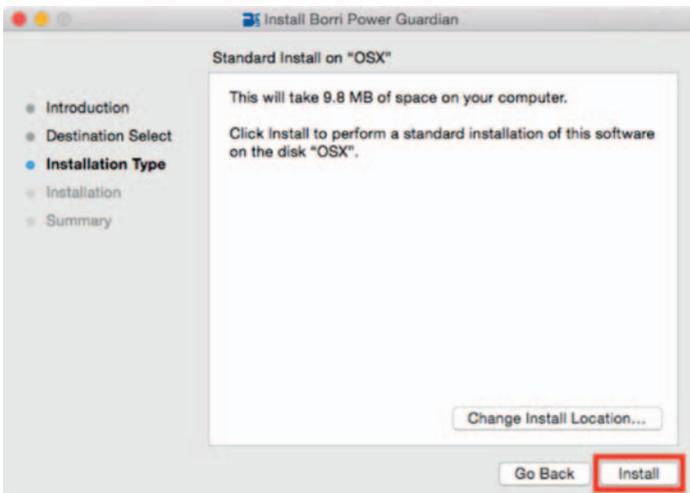
1.2.2 Select “Borri Power Guardian.pkg” to install software.

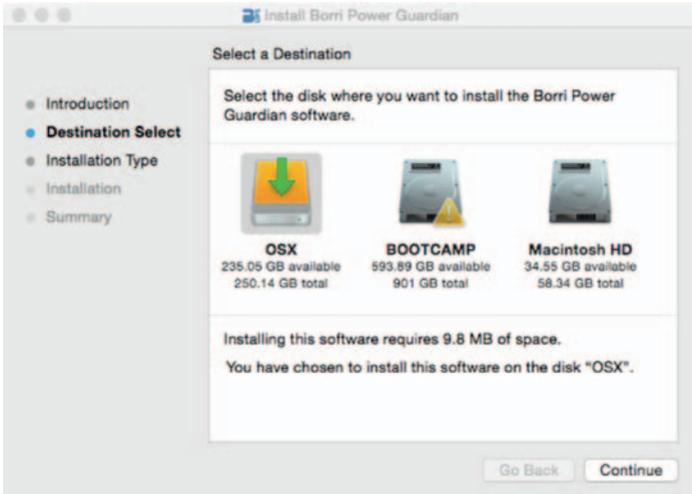


- 1.2.3 Upon seeing the “Install Borri Power Guardian” page as shown below, click [Continue] to proceed installation.

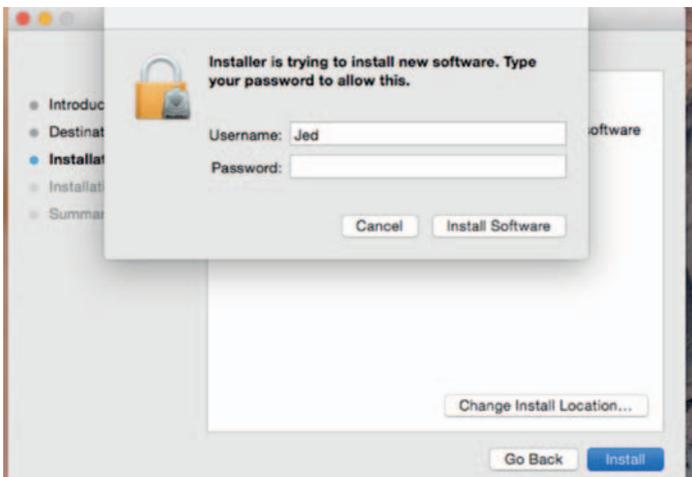


- 1.2.4 The “Select a Destination” setup page allows user to select the desired location to save the Borri Power Guardian program. The “Setup” program will automatically select the computer hard drive as the default location.

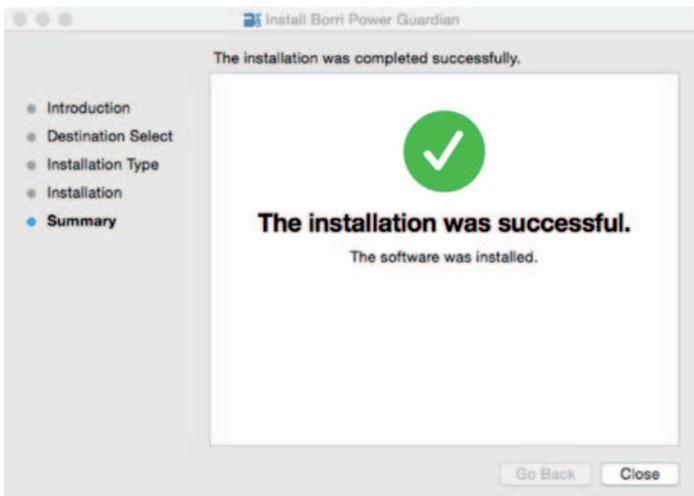




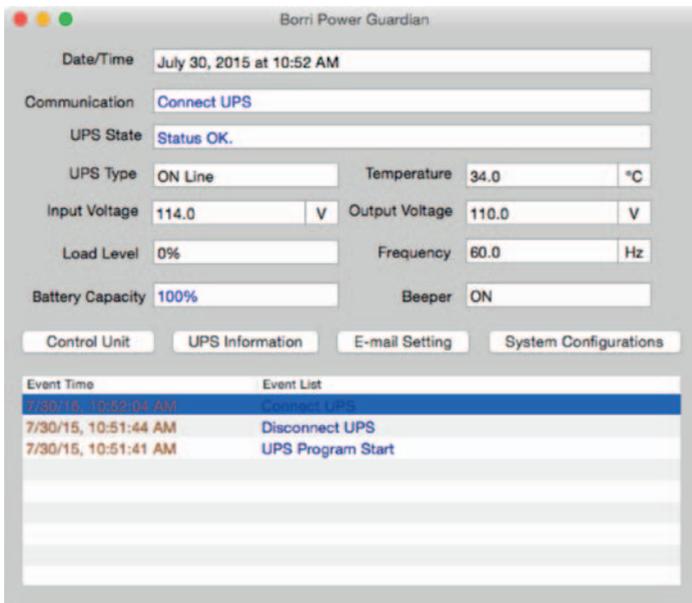
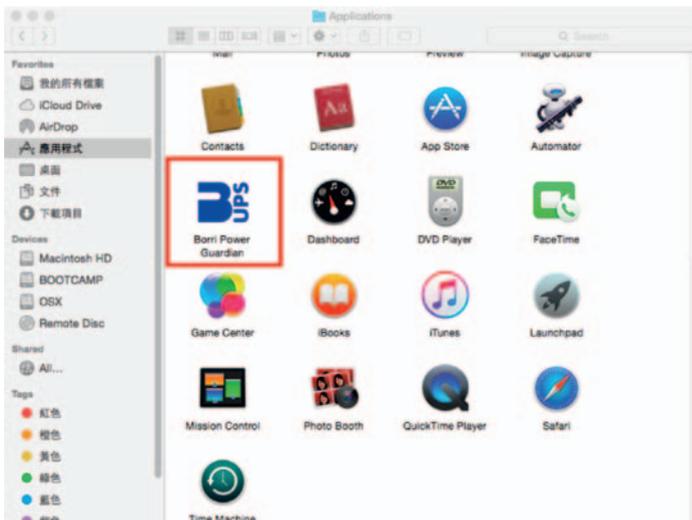
- 1.2.5 Enter User name and password. If there is no password given, leave it blank and click [OK].



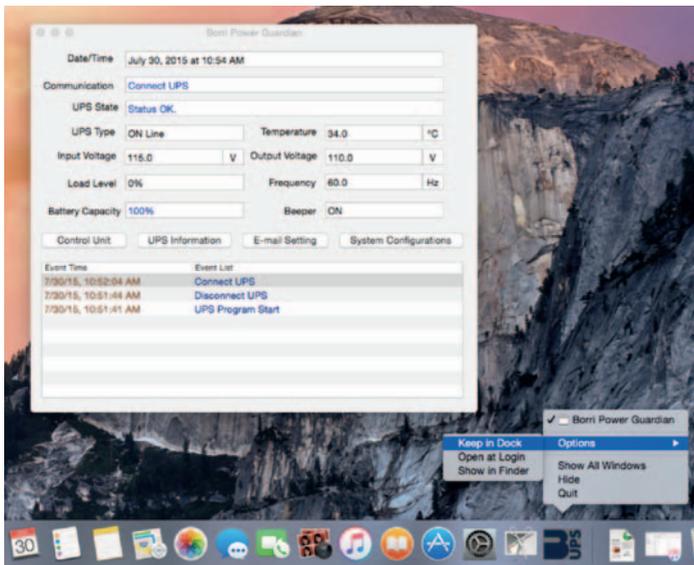
### 1.2.6 This page displays installation completes.



1.2.7 Open Applications Folder to run Borri Power Guardian software.

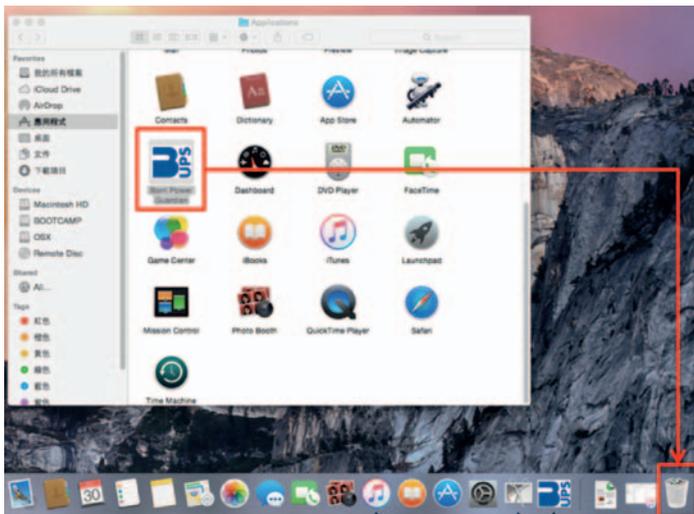


- 1.2.8 Right-click Borri Power Guardian in Dock, go to Options, user can select to run Borri Power Guardian automatically when computer login - “Open at Login” or turn on Borri Power Guardian manually - “Keep in Dock”. Select one.



### 1.3 Uninstall Borri Power Guardian

- 1.3.1 Open Applications Folder, drag the Borri Power Guardian to the Trash bin to uninstall Borri Power Guardian.



## 2. Function Descriptions

Borri Power Guardian program is a user friendly UPS monitoring program which enables communication between UPS and computer via USB port. It provides easy to read real-time monitoring of important UPS parameters such as input/output voltage, frequency, UPS temperature, loads and battery capacity. The Event log display UPS status and record a list of history events. In event of Power outage or abnormality, the Borri Power Guardian program is capable of automatically informing user via email instantly.

### 2.1 Real-Time Monitoring Display

The screenshot shows the Borri Power Guardian software interface. The window title is "Borri Power Guardian". At the top, there is a "Date/Time" field showing "July 30, 2015 at 10:52 AM". Below this, there are two rows of controls: "Communication" with a "Connect UPS" button and "UPS State" with a "Status OK" button. The main display area is divided into several sections. The top section shows "UPS Type" as "ON Line", "Temperature" as "34.0 °C", "Input Voltage" as "114.0 V", "Output Voltage" as "110.0 V", "Load Level" as "0%", "Frequency" as "60.0 Hz", "Battery Capacity" as "100%", and "Beeper" as "ON". Below this is a "Control Menu" with buttons for "Control Unit", "UPS Information", "E-mail Setting", and "System Configurations". The bottom section is an "Event Log" table with columns for "Event Time" and "Event List". The table contains three entries: "7/30/15, 10:52:04 AM" with "Connect UPS", "7/30/15, 10:51:44 AM" with "Disconnect UPS", and "7/30/15, 10:51:41 AM" with "UPS Program Start". At the bottom of the window, there is a "Temperature" section showing "0.0 °C" and "32.0 °F", and a "Battery Capacity" section showing "0 %".

**A. Status**

**B. UPS Information**

**D. Control Menu**

**D. Event Log**

Event Time	Event List
7/30/15, 10:52:04 AM	Connect UPS
7/30/15, 10:51:44 AM	Disconnect UPS
7/30/15, 10:51:41 AM	UPS Program Start

## 2.2 Status and Settings

### A. Status:

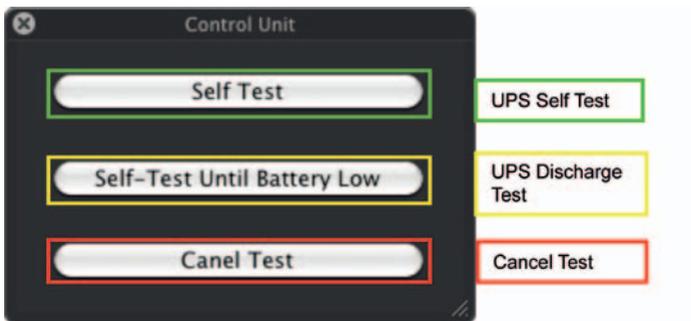
Communication: Display UPS communication signal UPS State:Display UPS status

### B. UPS Information:

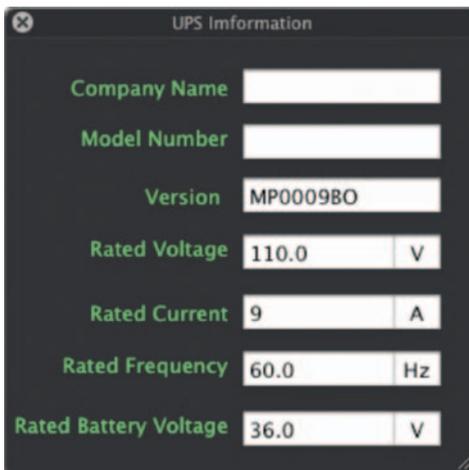
Displays input/output voltage, frequency, load capacity (display up to 120%), battery capacity (display up to 100%).

### C. Control Menu:

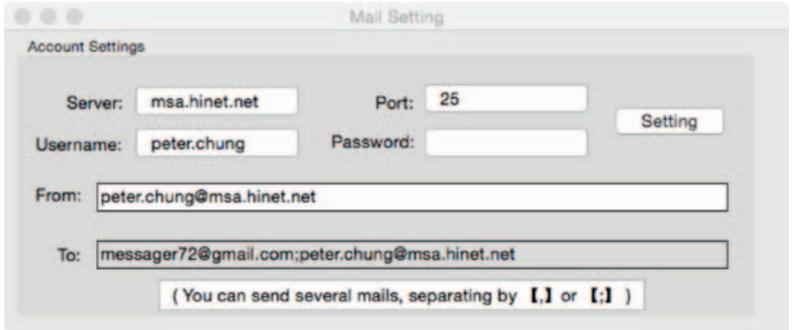
#### 1. Control Unit: UPS Control Panel



#### 2. UPS Information Display



3. E-mail Setting: Below is the Mail Setting Dialog Box.  
To send email alert to multiple recipients, insert a semi colon (;) or comma (,) between each email address.



4. Upon entering e-mail information, click on [Setting] to save e-mail information. A dialog box will appear to do a mail test.

**Note; Internet Firewall may block this e-mail function.  
If you have installed firewall, please enable this function.**



5. This page displays email sent successfully.

Event Time	Event List
7/30/15, 11:01:15 AM	Mail has already been sent
7/30/15, 10:52:04 AM	Connect UPS
7/30/15, 10:51:44 AM	Disconnect UPS
7/30/15, 10:51:41 AM	UPS Program Start

6. This page display email delivery failure.

Event Time	Event List
7/30/15, 11:04:50 AM	Mail unable to send
7/30/15, 11:02:12 AM	Connect UPS
7/30/15, 11:02:11 AM	UPS Program Start

D. Event Log: Display events and UPS status.

Borri Power Guardian

Date/Time: July 30, 2015 at 11:06 AM

Communication: Connect UPS

UPS State: Status OK.

UPS Type: ON Line      Temperature: 34.0 °C

Input Voltage: 114.0 V      Output Voltage: 110.0 V

Load Level: 0%      Frequency: 59.9 Hz

Battery Capacity: 100%      Beeper: ON

Control Unit:    UPS Information    E-mail Setting    System Configurations

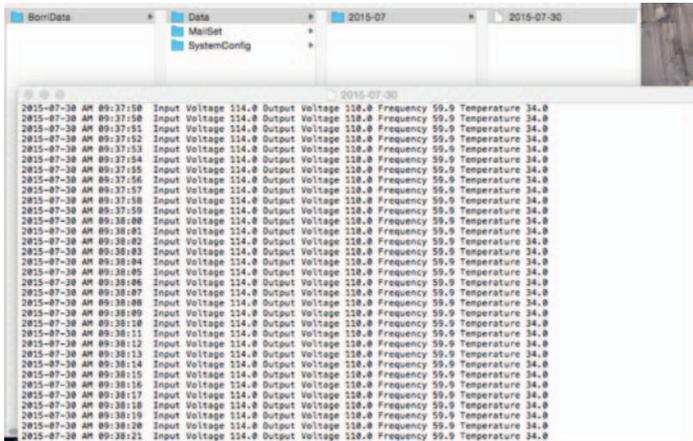
Time	Event List
5, 11:06:27 AM	Mail unable to send
5, 11:06:26 AM	AC Recovery
5, 11:06:13 AM	Mail unable to send
5, 11:06:12 AM	AC Failed
5, 11:05:53 AM	Connect UPS
5, 11:05:40 AM	Disconnect UPS
5, 11:04:50 AM	Mail unable to send
5, 11:02:12 AM	Connect UPS
5, 11:02:11 AM	UPS Program Start

## 2.3 Data Log

Records UPS parameters per second (Input voltage, output voltage, frequency).

Records are saved in: Documents/BorriData/Data/2015-07/.

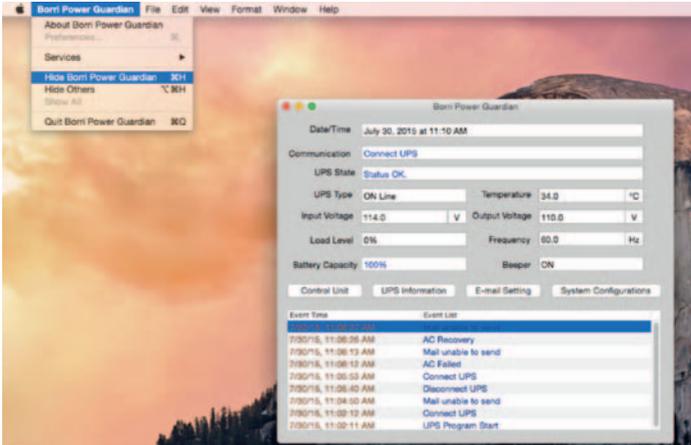
Saved records are sort by monthly folders.



Time	Input Voltage	Output Voltage	Frequency	Temperature
2015-07-30 AM 09:37:50	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:51	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:52	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:53	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:54	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:55	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:56	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:57	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:58	114.0	110.0	59.0	34.0
2015-07-30 AM 09:37:59	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:00	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:01	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:02	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:03	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:04	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:05	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:06	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:07	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:08	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:09	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:10	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:11	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:12	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:13	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:14	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:15	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:16	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:17	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:18	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:19	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:20	114.0	110.0	59.0	34.0
2015-07-30 AM 09:38:21	114.0	110.0	59.0	34.0

## 2.4 Other Functions

- I. Hide Borri Power Guardian: Click “Borri Power Guardian” from the program toolbar, select [Hide Borri Power Guardian]. Users can hide Borri Power Guardian dialog box while Borri Power Guardian program works in the background.



- II. Borri Power Guardian Help: Click “Help” from the program toolbar to run Borri Power Guardian Help

