X-Hybrid

BATTERY STORAGE INVERTERS FROM SOLAX

WiFi User Manual

USE IT, STORE IT FEED IT TO THE GRID
TAKE CONTROL OF THE ENERGY YOU GENERATE

www.solaxpower.com

WiFi User Manual

1 Connect with user's home Wi-Fi network

1.1 Connect with Data Acquisition System

(1) Confirm the inverter is working correctly.

(2) Use a computer/tablelet to search for the WIFI signal originating from the inverter. The SSID of this WIFI signal will be called: SolaX_xxxxxx('xxxxxx' being the last six characters of the device mac address) as shown in Figure1:

Figure 1, Searching for the Data Acquisition System Signal

(3) Connect the WIFI signal with the SSID 'SolaX_xxxxxx'. Once connected, the computer/tablet will display connectivity as shown in Figure 2;confirming that the device (laptop or tablet) has direct connectivity with the inverter.

Figure 2, Connected with Data Acquisition System

1.2 Set Network Parameters

(1) Input the IP address '11.11.11.1' into the address bar of an internet browser (IE, Firefox or Chrome) on the device you are currently using to connect to the inverter. When prompted for a user name and password, enter 'admin' in both instances, as shown in Figure3.

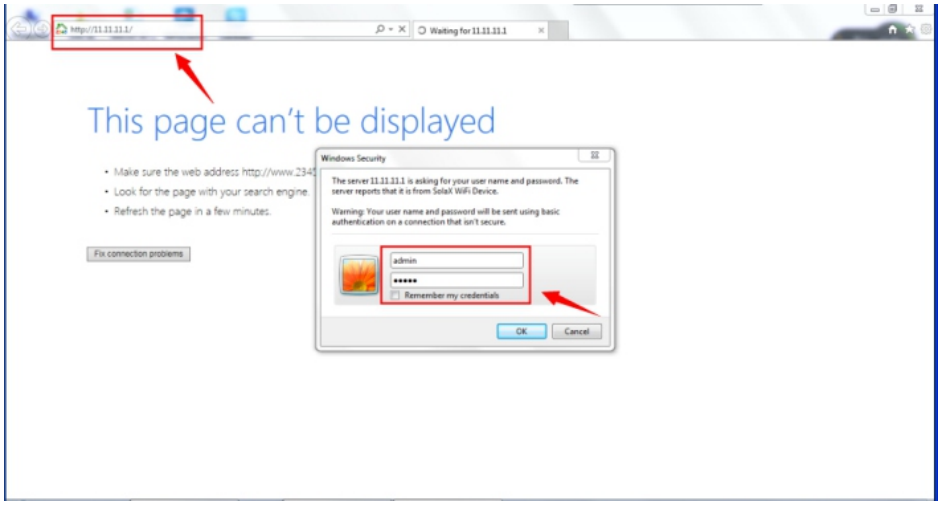


Figure 3, Data Acquisition System Login Interface

(2) Click 'Yes' and you will be taken to the basic configuration page as shown in Figure 4. At this point you should enter the SSID of the home WIFI network to which you need to connect and enter the password of the home WIFI network as the "key". Set the security mode as auto. Click "reset" and the setting will take effect.

(Note: Users need to make a copy of the SN number for the future use in login the X-Monitoring system)

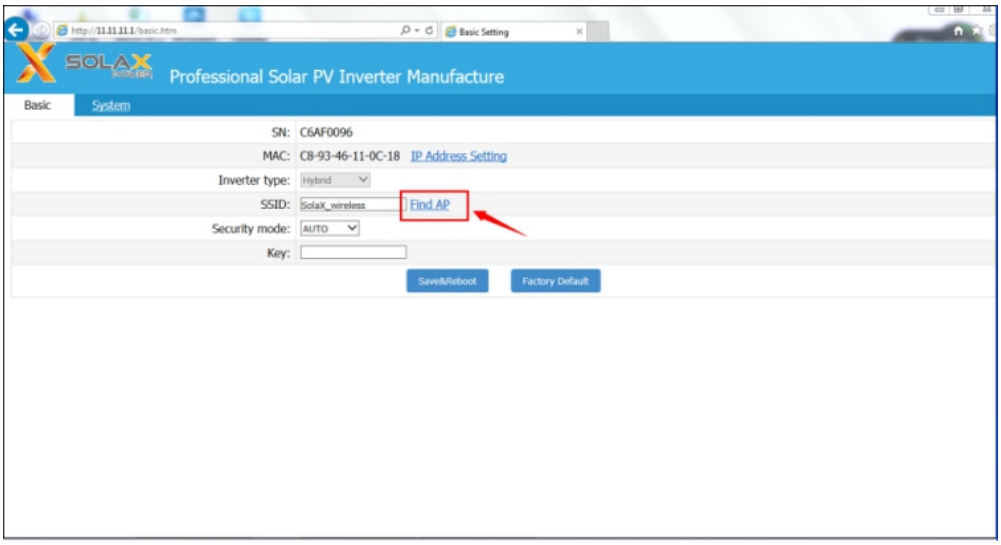


Figure 4, Basic settings page

(3) Click the "Find AP" at the right side of SSID as shown in figure 4.There Will be an Scan page, it will search for the signal of the WIFI router around, and there will be a list as figure 5. The SSID is the WIFI router's SSID, signal means the strength of the router. 100% means the router has a good signal, 0% means the router has no signal here.

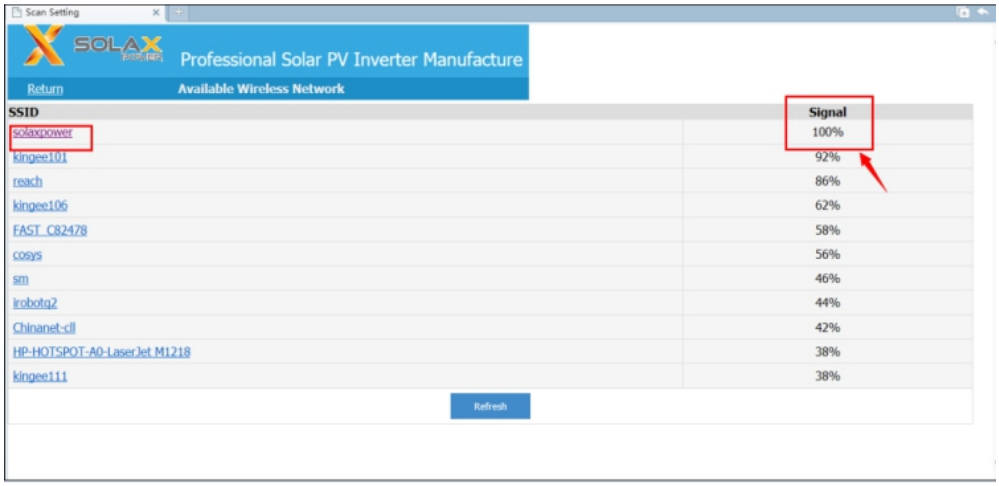


Figure 5, check the WIFI signal strength

(Note: a signal strength of 50% or more is recommended).

Now that connectivity is established, you can disconnect from the W IFI network 'SolaX_xxxxxx' on the laptop/tablet you are using and reconnect to the home WIFI network ready for stage 2 of the process.

2. User Guide for SolaX X-Monitoring System

2.1 User Registration and Sign-in

(1)Input the address www.solax-portal.com in the address bar on your web browser. A sign-in interface will appear(as shown in Figure 6). Click ‘sign-up’, and a registration window(shown in Figure 7) will be displayed. Complete the following sections: user name, password, ,email address and the SN number (refer to the SN number collected in the Data Acquisition System settings page); then click ‘sign-up’ and the registration is complete.

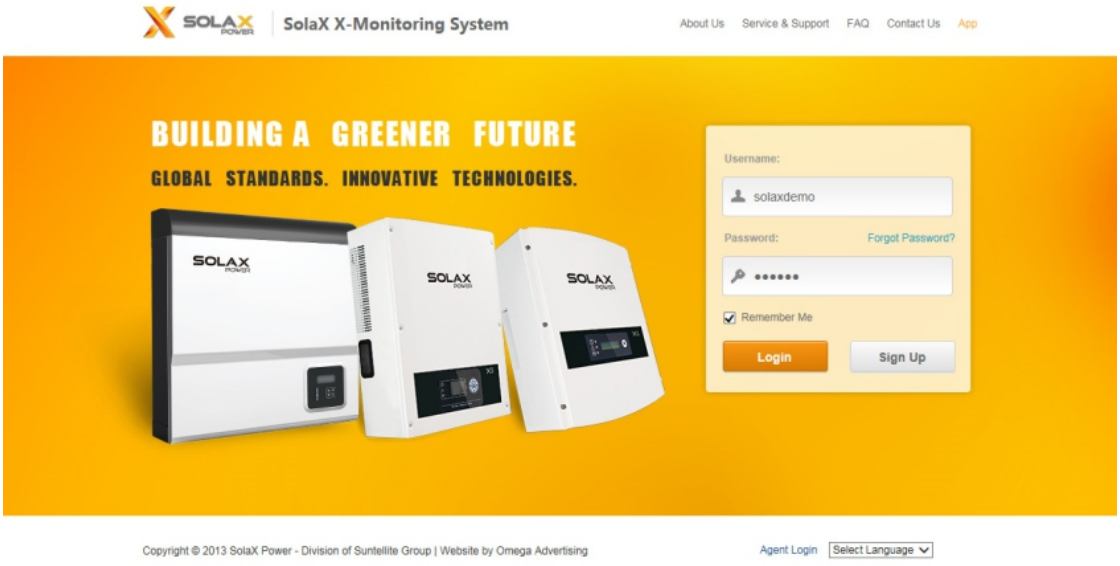


Figure 6, SolaX X -Monitoring login interface

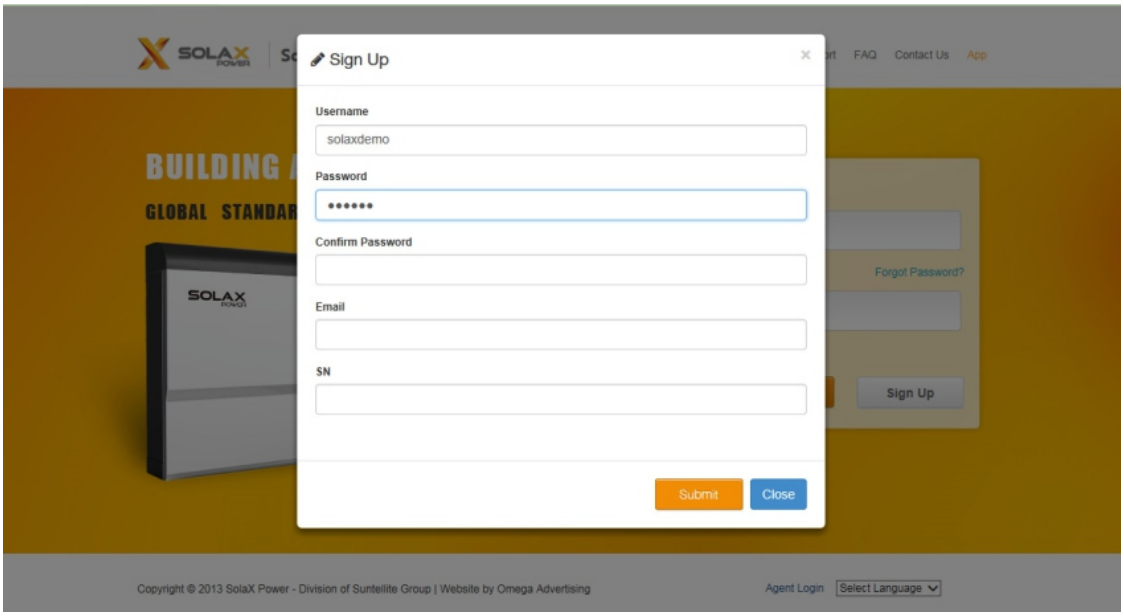


Figure 7, user sign -up interface

(2) Sign-in the X-monitoring system use the username and password you set.

When signing into the X-monitoring System, 'My Site' is based on the SN number of user's inverter.

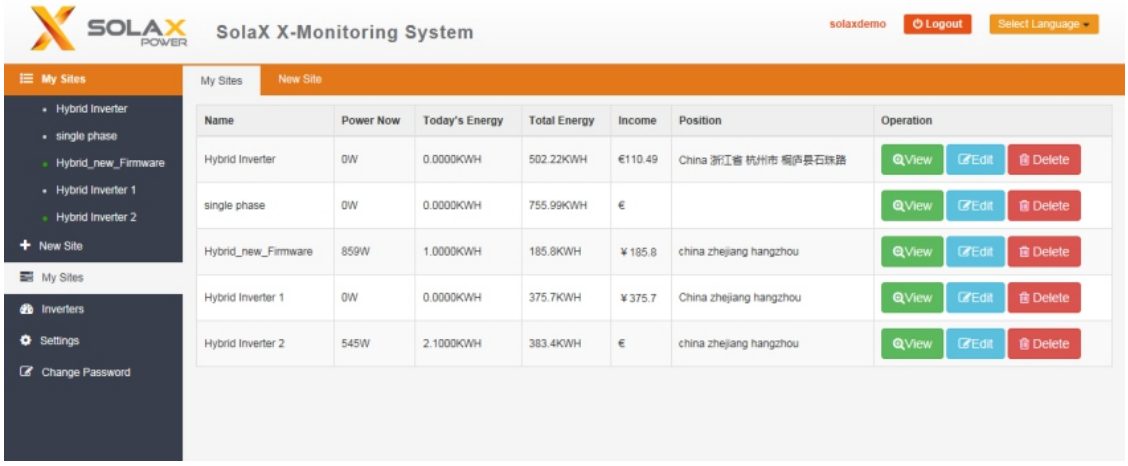


Figure 8, My site

(3) Users can see the current running parameters when they select their inverter listed under 'My Sites'.

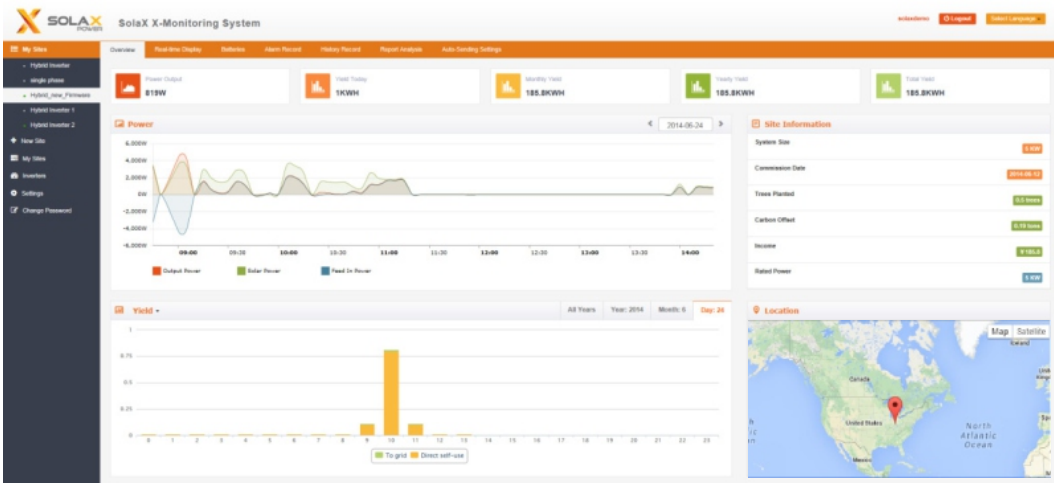


Figure 9, Visit 'My Site'

2.2 Edit and add new site and inverter

(1) Once logged in the user is able to edit the site. To do this, click the 'Edit' tab, and the page shown in Figure 10 will appear. Here the user can edit the site information changing information such as name, location, system size and time zone.

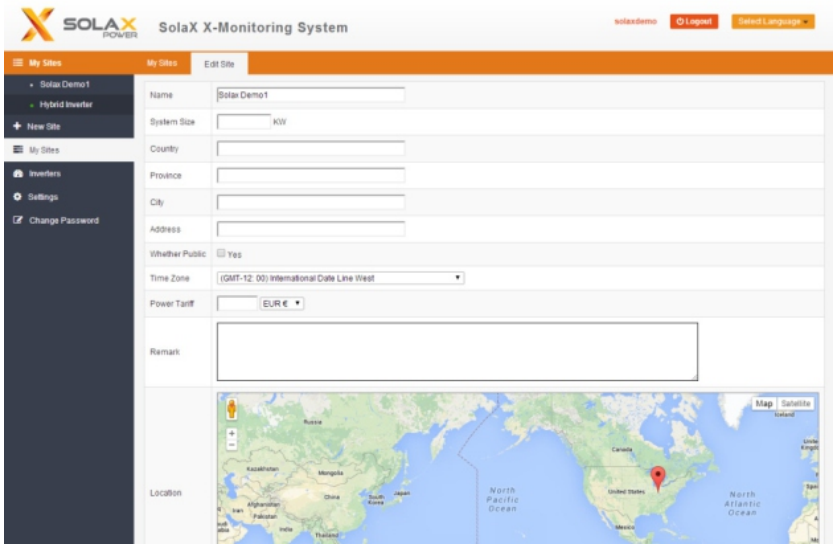


Figure 10, Edit station information

(2)If a user needs to monitor more than one inverter on the site, theyadd new sites by using the '+New Site' function in the menu bar. A new page will be loaded, which is similar to the editing page, the key difference being that the SN number of the new WIFI is needs to be put into the blank bar at the bottom of the page, as shown in Figure 11.

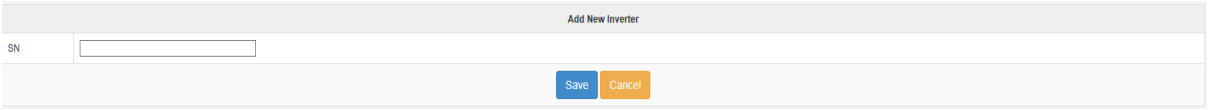


Figure 11, Add New Inverter

(3)If the user needs to monitor more than one inverters within one site, he can use the 'Inverters' function in the menu bar, a page (Figure 12) listing inverters will appear. Users can edit and add new inverters here.

Figure 12, Inverter list

Click ‘Add New Inverter’, and input the relevant information of the new inverter in the blank fields as shown in Figure 13, then click save to finish.

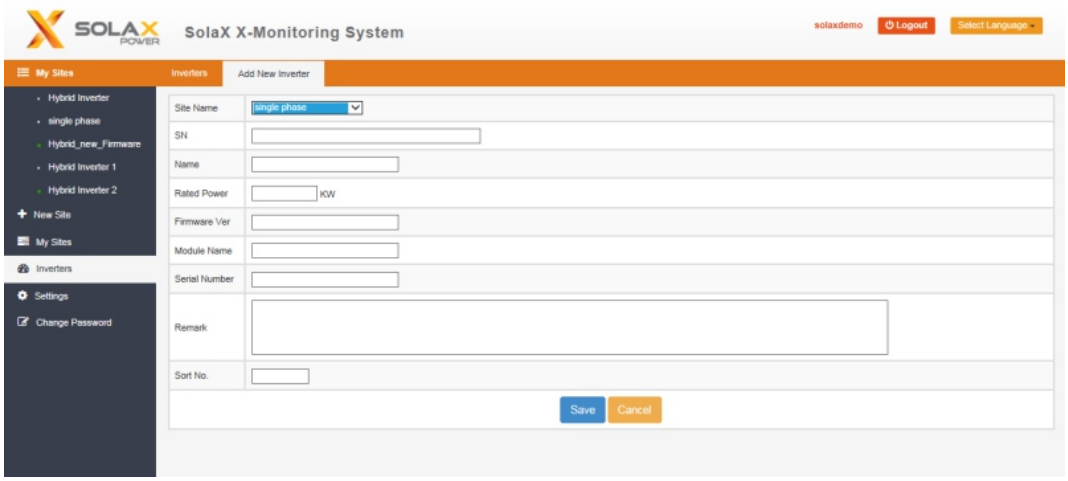


Figure 13, Adding New Inverter

2.3 User Information Setting

Users can edit user information by using the ‘Settings’ function in the menu.

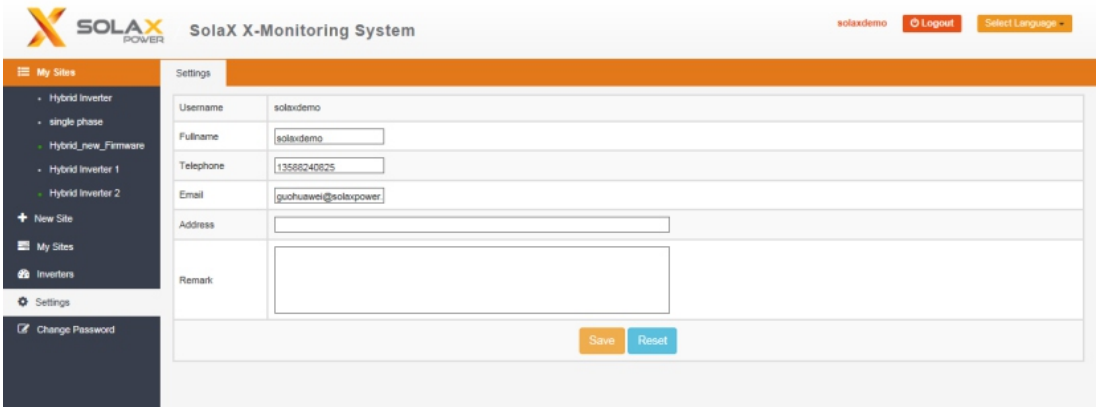


Figure 14, User Information Setting

2.4 Sites Management for User

The SolaX X- Monitoring System provides various site management functions.

（1） Real-time display

The Real-time display function provides the current performance of running parameters of the system for performance monitoring. Click the ‘Real-time Display’ tab as demonstrated in Figure 15.

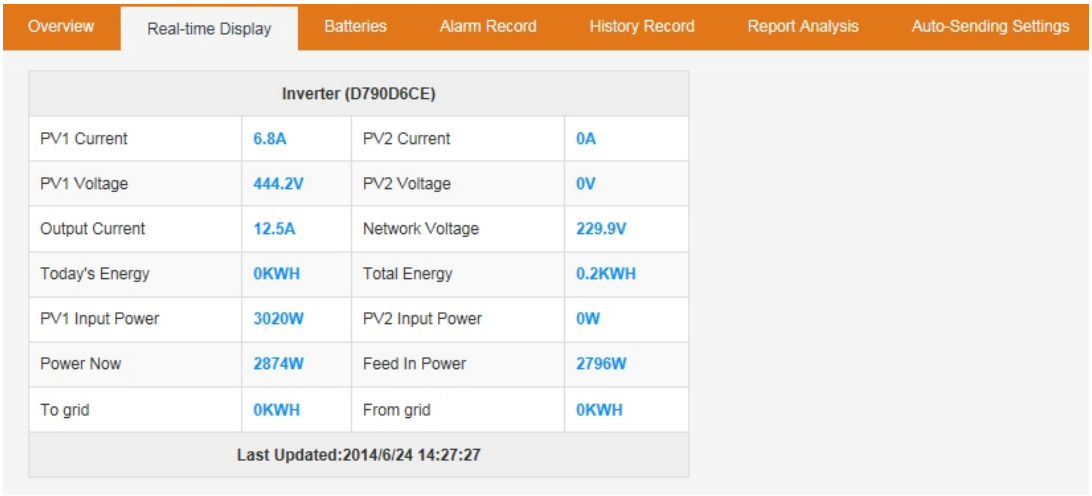


Figure 15, Real-time display of site

（2） Alarm Record

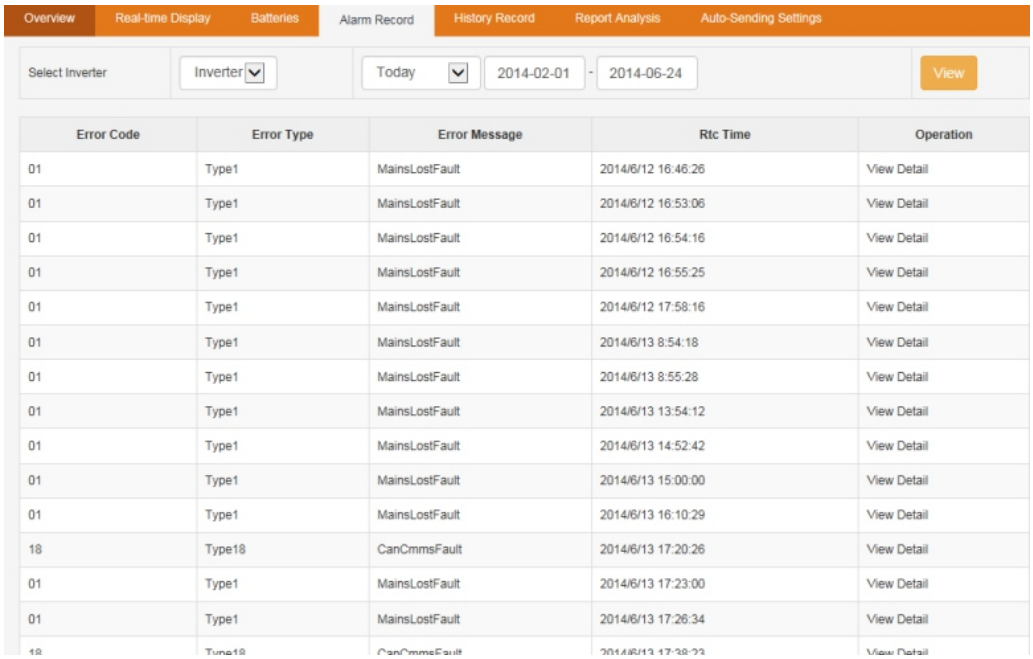


Figure 16, Alarm Record

（3） History Record

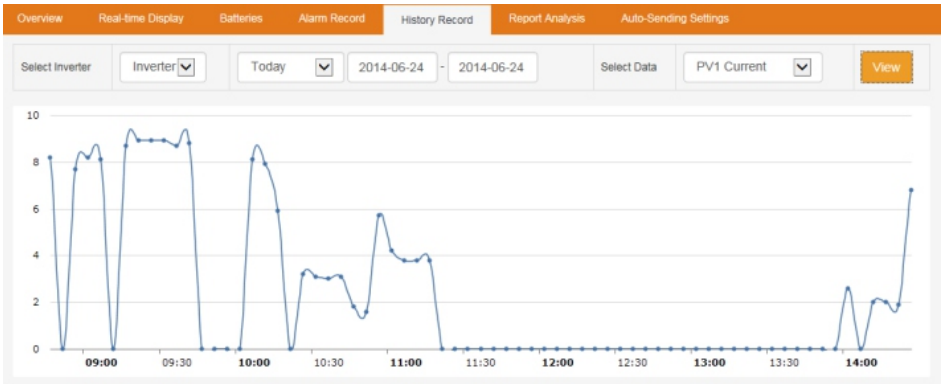
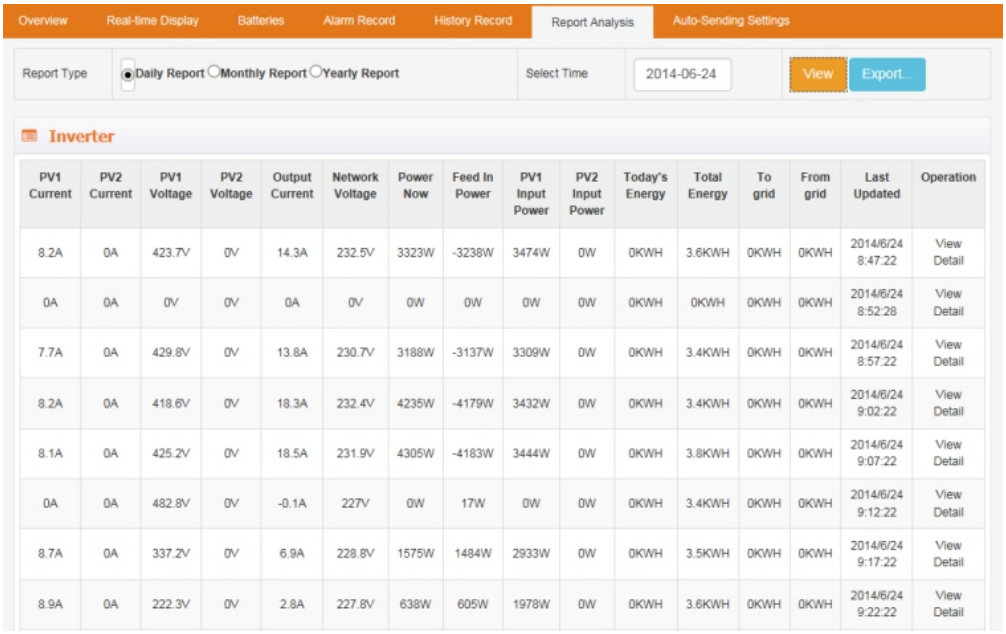


Figure 17, Changing Curve

（4） Report Analysise



PV1 Current	PV2 Current	PV1 Voltage	PV2 Voltage	Output Current	Network Voltage	Power Now	Feed In Power	PV1 Input Power	PV2 Input Power	Today's Energy	Total Energy	To grid	From grid	Last Updated	Operation
8.2A	0A	423.7V	0V	14.3A	232.5V	3323W	-3238W	3474W	0W	0KWH	3.6KWH	0KWH	0KWH	2014/6/24 8:47:22	View Detail
0A	0A	0V	0V	0A	0V	0W	0W	0W	0W	0KWH	0KWH	0KWH	0KWH	2014/6/24 8:52:28	View Detail
7.7A	0A	429.8V	0V	13.8A	230.7V	3188W	-3137W	3309W	0W	0KWH	3.4KWH	0KWH	0KWH	2014/6/24 8:57:22	View Detail
8.2A	0A	418.6V	0V	18.3A	232.4V	4235W	-4179W	3432W	0W	0KWH	3.4KWH	0KWH	0KWH	2014/6/24 9:02:22	View Detail
8.1A	0A	425.2V	0V	18.5A	231.9V	4305W	-4183W	3444W	0W	0KWH	3.8KWH	0KWH	0KWH	2014/6/24 9:07:22	View Detail
0A	0A	482.8V	0V	-0.1A	227V	0W	17W	0W	0W	0KWH	3.4KWH	0KWH	0KWH	2014/6/24 9:12:22	View Detail
8.7A	0A	337.2V	0V	6.9A	228.8V	1575W	1484W	2933W	0W	0KWH	3.5KWH	0KWH	0KWH	2014/6/24 9:17:22	View Detail
8.9A	0A	222.3V	0V	2.8A	227.8V	638W	605W	1978W	0W	0KWH	3.6KWH	0KWH	0KWH	2014/6/24 9:22:22	View Detail

Figure 18, Report Analysis

（5） Auto-sending Settings

In the 'Auto-sending Settings' page, users can choose the 'Auto-sending' frequency (daily, weekly and monthly) of the error logs, as shown in Figure 19.

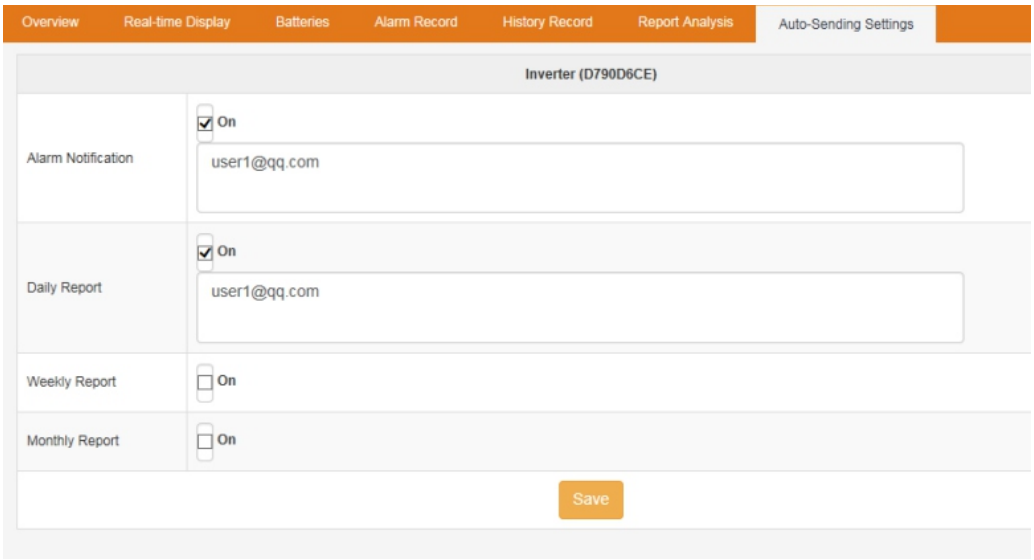


Figure 19, Auto-sending Settings

（6） Overview of the Batteries

In the 'Batteries' tab, users can get an overview of the battery performance. On the left hand

side of the page is the charging level of the batteries. The middle section of the page shows the historical voltage, current and charge level data; and on the right hand side the current battery status (sees Figure 20).

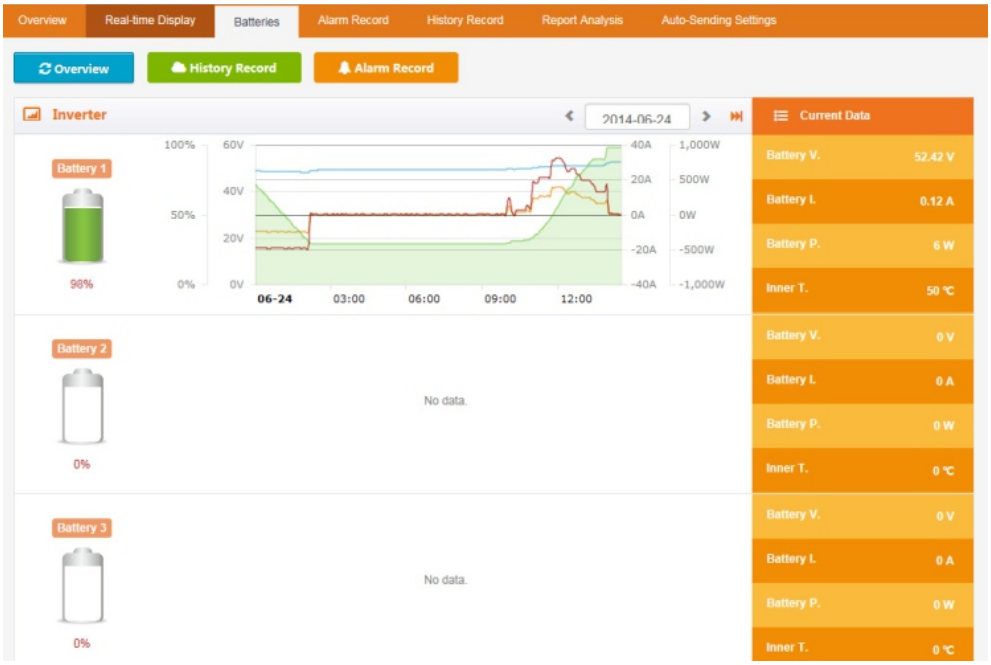


Figure 20, Overview for batteries

（7） Battery History

In the ‘Batteries’ tab, click ‘History Record’, here users can find the historical battery data, as shown in Figure 21.

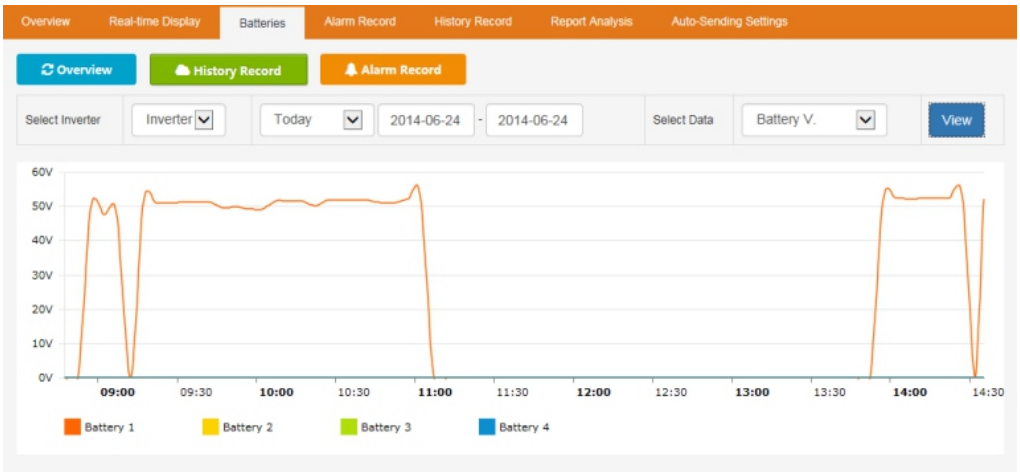


Figure 21, History Record for batteries

（8） Alarm Record for Batteries

In the 'Battery' tab, click 'Alarm Record'. Users can check the battery alarm record, as shown in Figure 22.

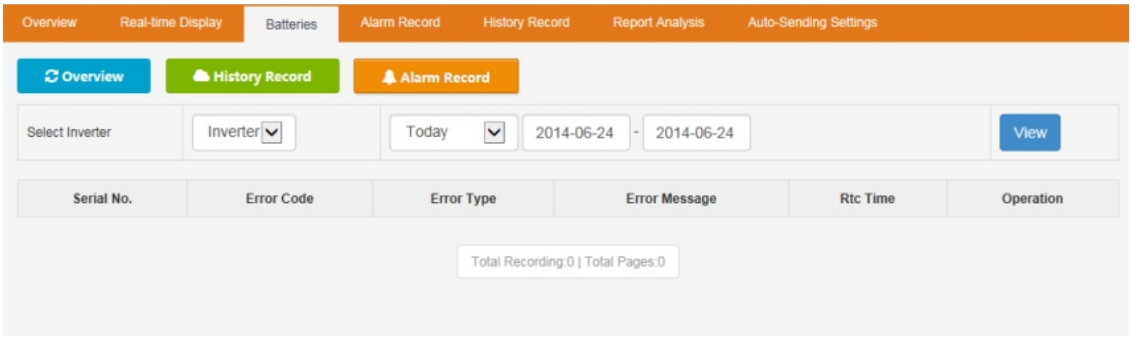


Figure 22, Alarm Record for Battery

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